



**Definitive Interconnection  
System Impact Study for  
Generation Interconnection  
Requests**

**(DISIS-2011-001-4)**

**December 2013**

**Generation Interconnection**

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## Revision History

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Date	Author	Change Description
07/29/2011	SPP	Report Issued (DISIS-2011-001)
12/16/2011	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-1)
05/04/2012	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-2)
02/05/2013	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-3)
12/19/2013	SPP	Account for Withdrawn Projects, Report Re-Posted (DISIS-2011-001-4)

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## Executive Summary

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Generation Interconnection customers have requested a Definitive Interconnection System Impact Study (DISIS) under the Generation Interconnection Procedures (GIP) in the Southwest Power Pool Open Access Transmission Tariff (OATT). The Interconnection Customers' requests have been clustered together for the following System Impact Cluster Study window which closed March 31, 2011. The customers will be referred to in this study as the DISIS-2011-001 Interconnection Customers. This System Impact Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling approximately 3,599.6 MW of new generation which would be located within the transmission systems of American Electric Power-West (AEPW), Kansas City Power & Light (KACP), Midwest Energy Inc. (MIDW), Missouri Public Service (MIPU), Nebraska Public Power District (NPPD), Oklahoma Gas and Electric (OKGE), Sunflower Electric Power Corporation/Mid-Kansas Electric Power LLC (SUNC)/(MKEC), Southwestern Public Service (SPS). The various generation interconnection requests have differing proposed in-service dates<sup>1</sup>. The generation interconnection requests included in this System Impact Cluster Study are listed in Appendix A by their queue number, amount, requested interconnection service, area, requested interconnection point, proposed interconnection point, and the requested in-service date. This restudy was performed to account for withdrawals within the DISIS-2011-001 study and/or higher queued projects withdrawing.

Power flow analysis has indicated that for the power flow cases studied, 3,599.6 MW of nameplate generation may be interconnected with transmission system reinforcements within the SPP transmission system. Dynamic stability and power factor analysis has determined the need for reactive compensation in accordance with Order No. 661-A for wind farm interconnection requests and those requirements are listed for each interconnection request within the contents of this report. Dynamic stability analysis has determined that the transmission system will remain stable with the assigned Network Upgrades and necessary reactive compensation requirements.

It should be noted that although this study analyzed many of the most probable contingencies, it is not an all-inclusive list that can account for every operational situation. Additionally, the generator[s] may not be able to inject any power onto the Transmission System due to constraints that fall below the threshold of mitigation for a Generator Interconnection request. Because of this, it is likely that the Customer[s] may be required to reduce their generation output to 0 MW under certain system conditions to allow system operators to maintain the reliability of the transmission network.

The total estimated minimum cost for interconnecting the DISIS-2011-001 interconnection customers is \$485,459,306. These costs are shown in Appendix E and F. Interconnection Service to

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<sup>1</sup> The generation interconnection requests in-service dates will need to be deferred based on the required lead time for the Network Upgrades necessary. The Interconnection Customer's that proceed to the Facility Study will be provided a new in-service date based on the Facility Study's time for completion of the Network Upgrades necessary.

DISIS-2011-001 interconnection customers is also contingent upon higher queued customers paying for certain required network upgrades. **The in service date for the DISIS customers will be deferred until the construction of these network upgrades can be completed.**

These costs do not include the Interconnection Customer Interconnection Facilities as defined by the SPP Open Access Transmission Tariff (OATT). This cost does not include additional network constraints in the SPP transmission system identified and shown in Appendix H.

Network Constraints listed in Appendix H are in the local area of the new generation when this generation is injected throughout the SPP footprint for the Energy Resource (ERIS) Interconnection Request. Certain Interconnection Requests were also studied for Network Resource Interconnection Service (NRIS). Those constraints are also listed in Appendix H. Additional Network constraints will have to be verified with a Transmission Service Request (TSR) and associated studies. With a defined source and sink in a TSR, this list of Network Constraints will be refined and expanded to account for all Network Upgrade requirements.

The required interconnection costs listed in Appendix E and F do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT.

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## Introduction

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Pursuant to the Southwest Power Pool (SPP) Open Access Transmission Tariff (OATT), SPP has conducted this Definitive Interconnection System Impact Study (DISIS) for certain generation interconnection requests in the SPP Generation Interconnection Queue. These interconnection requests have been clustered together for the following System Impact Study window which closed March 31, 2011. The customers will be referred to in this study as the DISIS-2011-001 Interconnection Customers. This System Impact Study analyzes the interconnecting of multiple generation interconnection requests associated with new generation totaling 3,599.6 MW of new generation which would be located within the transmission systems of American Electric Power-West (AEPW), Kansas City Power & Light (KACP), Midwest Energy Inc. (MIDW), Missouri Public Service (MIPU), Nebraska Public Power District (NPPD), Oklahoma Gas and Electric (OKGE), Sunflower Electric Power Corporation/Mid-Kansas Electric Power LLC (SUNC)/(MKEC), Southwestern Public Service (SPS). The various generation interconnection requests have differing proposed in-service dates<sup>2</sup>. The generation interconnection requests included in this System Impact Study are listed in Appendix A by their queue number, amount, requested interconnection service, area, requested interconnection point, proposed interconnection point, and the requested in-service date. This restudy was performed to account for withdrawals within the DISIS-2011-001 study and/or higher queued projects withdrawing.

The primary objective of this Definitive Interconnection System Impact Study is to identify the system constraints associated with connecting the generation to the area transmission system. The Impact and other subsequent Interconnection Studies are designed to identify attachment facilities, Network Upgrades and other Direct Assignment Facilities needed to accept power into the grid at each specific interconnection receipt point.

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<sup>2</sup> The generation interconnection requests in-service dates will need to be deferred based on the required lead time for the Network Upgrades necessary. The Interconnection Customer's that proceed to the Facility Study will be provided a new in-service date based on the competition of the Facility Study.

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# Model Development

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## Interconnection Requests Included in the Cluster

SPP has included all interconnection requests that submitted a Definitive Interconnection System Impact Study Agreement no later than March 31, 2011 and were subsequently accepted by Southwest Power Pool under the terms of the Generator Interconnection Procedures (GIP) that became effective March 30, 2010. The interconnection requests that are included in this study are listed in Appendix A.

## Affected System Interconnection Requests

Also included in this Definitive Impact Study are two Affected System Studies, both located on the Southwestern Public Service Company distribution system and shares connections to the SPS transmission system. The Affected System Study Requests has been given the designations: ASGI-2011-002 (20 MW, POI is Herring 115kV), and ASGI-2011-003 (10 MW, POI is Hendricks 115kV).

## Previously Queued Interconnection Requests

The previous queued requests included in this study are listed in Appendix B. In addition to the Base Case Upgrades, the previous queued requests and associated upgrades were assumed to be in-service and added to the Base Case models. These projects were dispatched as Energy Resources with equal distribution across the SPP footprint. Prior queued projects that requested Network Resource Interconnection Service (NRIS) were dispatched in an additional analysis into the balancing authority of the interconnecting transmission owner.

## Development of Base Cases

### Power Flow

The 2013 series Transmission Service Request (TSR) Models 2014 spring, 2014 summer and winter peak, 2019 summer and winter peak, and the 2024 summer peak scenario 0 cases were used for this study. After the cases were developed, each of the control areas' resources were then re-dispatched to account for the new generation requests using current dispatch orders.

### Dynamic Stability

The 2013 series SPP Model Development Working Group (MDWG) Models 2014 winter, 2015 summer, and 2024 summer were used as starting points for this study.

## Base Case Upgrades

The following facilities are part of the SPP Transmission Expansion Plan or the Balanced Portfolio or recently approved Priority Projects. These facilities, have an approved Notice to Construct (NTC), or are in construction stages and were assumed to be in-service at the time of dispatch and added to the base case models. The DISIS-2011-001 Customers have not been assigned acceleration costs for the below listed projects. The DISIS-2011-001 Customers Generation Facilities in service dates may need to be delayed until the completion of the following upgrades. If for some reason, construction

on these projects is discontinued, additional restudies will be needed to determine the interconnection needs of the DISIS Interconnection Customers.

- Hitchland 230/115kV area projects<sup>3</sup>:
  - Hitchland – Ochiltree 230kV Project, (placed in-service 2013)
- Balanced Portfolio Projects<sup>4</sup>:
  - Woodward – Border – TUCO 345kV project, scheduled for 5/19/2014 in-service
    - Woodward 345/138kV circuit #2 autotransformer
    - TUCO 345/138kV circuit #2 autotransformer
    - Reactors at Woodward and Border
  - Iatan– Nashua 345kV, scheduled for 6/1/2015 in-service
    - Nashua 345/161kV autotransformer
  - Muskogee– Seminole 345kV, scheduled for 12/31/2013 in-service
  - Cleveland – Sooner 345kV, (placed in-service 2012)
  - Tap Stillwell – Swissvale 345kV line at West Gardner, (placed in-service 2013)
- Priority Projects<sup>5</sup>:
  - Hitchland – Woodward double circuit 345kV, scheduled for 6/30/2014 in-service
    - Hitchland 345/230kV circuit #2 autotransformer
  - Woodward – Thistle double circuit 345kV, scheduled for 12/31/2014 in-service
  - Spearville – Clark double circuit 345kV, scheduled for 12/31/2014 in-service
  - Clark – Thistle double circuit 345kV, scheduled for 12/31/2014 in-service
  - Thistle – Wichita double circuit 345kV, scheduled for 12/31/2014 in-service
  - Thistle 345/138kV autotransformer, scheduled for 12/31/2014 in-service
  - Thistle – Flat Ridge 138kV, scheduled for 12/31/2014 in-service
- Various MKEC Transmission System Upgrades<sup>6</sup>
  - Harper – Flat Ridge 138kV rebuild (placed in-service in 2013)
  - Flat Ridge – Medicine Lodge 138kV rebuild, scheduled for 12/31/2013 in-service
  - Pratt – Medicine Lodge 115kV rebuild, scheduled for 6/15/2014 in-service
  - Medicine Lodge 138/115kV autotransformer replacement (placed in-service in 2013)
- Northwest 345/138/13.8kV circuit #3 autotransformer, scheduled for 6/1/2017 in-service<sup>7</sup>
- Woodward (OKGE) – Woodward (WFEC) 69kV rebuild, scheduled for 6/1/2015 in-service<sup>8</sup>
- Sheldon – SW7<sup>th</sup> and Pleasant Hill 115kV circuit #2 rebuild (placed in-service in 2013)<sup>9</sup>
- Moundridge 138/115/13.8kV autotransformer circuit #2, scheduled for 12/1/2014 in-service<sup>10</sup>

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<sup>3</sup> SPP Regional Reliability Projects identified in 2007 STEP. As of the writing of this report, SPP Project Tracking TAGIT shows some of these project's in-service dates have been delayed from the original 2010/2011 in-service dates.

<sup>4</sup> Notice to Construct (NTC) issued June 2009.

<sup>5</sup> Notice to Construct (NTC) issued June 2010.

<sup>6</sup> SPP Transmission Service Projects identified in SPP-2007-AG3-AFS-9.

<sup>7</sup> SPP Transmission Service Project identified in SPP-2009-AG2-AFS6. Per SPP-NTC-20137.

<sup>8</sup> SPP Regional Reliability Project. Per SPP-NTC-20003.

<sup>9</sup> SPP Regional Reliability 2012 ITPNT Project. Per SPP-NTC-200171.

<sup>10</sup> SPP Regional Reliability 2012 ITP10 Project. Per SPP-NTC-200181.



## Contingent Upgrades

The following facilities do not yet have approval. These facilities have been assigned to higher queued interconnection customers. These facilities have been included in the models for the DISIS-2011-001 study and are assumed to be in service. This list may not be all inclusive. The DISIS-2011-001 Customers at this time do not have responsibility for these facilities but may later be assigned the cost of these facilities if higher queued customers terminate their GIA or withdraw from the interconnection queue. The DISIS-2011-001 Customer Generation Facilities in service dates may need to be delayed until the completion of the following upgrades.

- Upgrades assigned to ICS-2008-001 Interconnection Customers
  - Line Traps at Amarillo South – Swisher 230kV
- Upgrades assigned to DISIS-2009-001 Interconnection Customers:
  - Fort Dodge – North Fort Dodge – Spearville 115kV circuit #2
  - Albion – Petersburg – Neligh 115kV circuit #1 rerate (placed In-Service in 2011)
  - Fort Randall – Madison County – Kelly 230kV circuit #1 rerate (320MVA)
  - Spearville 345/115kV autotransformer circuit #1
- Upgrades assigned to DISIS-2010-001 Interconnection Customers:
  - Beaver County 345kV Expansion (Tap & Tie Hitchland – Woodward circuit #2 into Beaver County 345kV)
  - Switch 2749 – Wildorado 69kV circuit # 1 rebuild
  - Washita – Gracemont 138kV circuit #2 (placed In-Service in 2012)
- Upgrades assigned to DISIS-2010-002 Interconnection Customers:
  - Twin Church – Dixon County 230kV circuit #1 rerate (320MVA)

## Potential Upgrades Not in the Base Case

Any potential upgrades that do not have a Notification to Construct (NTC) and not explicitly listed within this report have not been included in the base case. These upgrades include any identified in the SPP Extra-High Voltage (EHV) overlay plan, or any other SPP planning study other than the upgrades listed above in the previous section.

## Regional Groupings

The interconnection requests listed in Appendix A were grouped together in fifteen different regional groups based on geographical and electrical impacts. These groupings are shown in Appendix C.

To determine interconnection impacts, fifteen different generation dispatch scenarios of the spring base case models were developed to accommodate the regional groupings.

## Power Flow

For each group, the various wind generating plants were modeled at 100% nameplate of maximum generation. The other wind generating plants in each area were modeled at 80% nameplate while the wind generating plants in the other areas were modeled at 20% nameplate of maximum generation. These projects were dispatched as Energy Resources with equal distribution across the SPP footprint. Certain projects that requested Network Resource Interconnection Service were dispatched in an additional analysis into the balancing authority of the interconnecting

transmission owner. This method allowed for the identification of network constraints that were common to the regional groupings that could then in turn have the mitigating upgrade cost allocated throughout the entire cluster. Other sensitivity analyses are also performed with each interconnection request modeled at 100% nameplate.

Peaking units were not dispatched in the 2014 spring model. To study peaking units' impacts, the 2014 summer and winter, 2019 summer and winter, and 2024 summer peak seasonal models were chosen and peaking units were modeled at 100% of the nameplate rating and wind generating facilities were modeled at 10% of the nameplate rating. Each interconnection request was also modeled separately at 100% nameplate for certain analyses.

### **Dynamic Stability**

For each group, all interconnection requests were dispatched at 100% nameplate output while the other groups were dispatched at 20% output for wind requests and 100% output for thermal requests.

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## **Identification of Network Constraints**

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The initial set of network constraints were found by using PTI MUST First Contingency Incremental Transfer Capability (FCITC) analysis on the entire cluster grouping dispatched at the various levels mentioned above. These constraints were then screened to determine if any of the generation interconnection requests had at least a 20% Distribution Factor (DF) upon the constraint. Constraints that measured at least a 20% DF from at least one interconnection request were considered for mitigation. Interconnection Requests that have requested Network Resource Interconnection Service (NRIS) were also studied in the NRIS analysis to determine if any constraint had at least a 3% DF. If so, these constraints were considered for mitigation.

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## **Determination of Cost Allocated Network Upgrades**

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Cost Allocated Network Upgrades of wind generation interconnection requests were determined using the 2014 spring model. Cost Allocated Network Upgrades of peaking units was determined using the 2019 summer peak model. A MUST sensitivity analysis was performed to determine the Distribution Factors (DF), a distribution factor with no contingency that each generation interconnection request had on each new upgrade. The impact each generation interconnection request had on each upgrade project was weighted by the size of each request. Finally the costs due by each request for a particular project were then determined by allocating the portion of each request's impact over the impact of all affecting requests.

For example, assume that there are three Generation Interconnection requests, X, Y, and Z that are responsible for the costs of Upgrade Project '1'. Given that their respective PTDF for the project

have been determined, the cost allocation for Generation Interconnection request 'X' for Upgrade Project 1 is found by the following set of steps and formulas:

- Determine an Impact Factor on a given project for all responsible GI requests:

$$\text{Request X Impact Factor on Upgrade Project 1} = \text{PTDF}(\%)(X) * \text{MW}(X) = X1$$

$$\text{Request Y Impact Factor on Upgrade Project 1} = \text{PTDF}(\%)(Y) * \text{MW}(Y) = Y1$$

$$\text{Request Z Impact Factor on Upgrade Project 1} = \text{PTDF}(\%)(Z) * \text{MW}(Z) = Z1$$

- Determine each request's Allocation of Cost for that particular project:

$$\text{Request X's Project 1 Cost Allocation (\$)} = \frac{\text{Network Upgrade Project 1 Cost(\$)} * X1}{X1 + Y1 + Z1}$$

- Repeat previous for each responsible GI request for each Project

The cost allocation of each needed Network Upgrade is determined by the size of each request and its impact on the given project. This allows for the most efficient and reasonable mechanism for sharing the costs of upgrades.

### **Credits for Amounts Advanced for Network Upgrades**

Interconnection Customer shall be entitled to credits in accordance with Attachment Z2 of the SPP Tariff for any Network Upgrades including any tax gross-up or any other tax-related payments associated with the Network Upgrades, and not refunded to the Interconnection Customer.

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## **Required Interconnection Facilities**

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The requirement to interconnect the 3,599.6 MW of generation into the existing and proposed transmission systems in the affected areas of the SPP transmission footprint consist of the necessary cost allocated shared facilities listed in Appendix F by upgrade. The interconnection requirements for the cluster total \$485,459,306. Interconnection Facilities specific to each generation interconnection request are listed in Appendix E. A preliminary one-line drawing for each generation interconnection request are listed in Appendix D.

A list of constraints that were identified and used for mitigation are listed in Appendix G. Listed within Appendix G are the ERIS constraints with greater than or equal to a 20% DF, as well as, the NRIS constraints that have a DF of 3% or greater. Other Network Constraints which are not requiring mitigation are shown in Appendix H. With a defined source and sink in a TSR, this list of Network Constraints will be refined and expanded to account for all Network Upgrade requirements.

# Power Flow Analysis

## Power Flow Analysis Methodology

The ACCC function of PSS/E was used to simulate single element and special (i.e., breaker-to-breaker, multi-element, etc) contingencies in portions or all of the modeled control areas of SPP, as well as, other control areas external to SPP and the resulting scenarios analyzed. NERC Category “B” and “C” contingencies were evaluated.

## Power Flow Analysis

A power flow analysis was conducted for each Interconnection Customer’s facility using modified versions of the 2014 spring peak, 2014 summer and winter peak, and the 2019 summer and winter peak, and 2024 summer peak models. The output of the Interconnection Customer’s facility was offset in each model by a reduction in output of existing online SPP generation. This method allows the request to be studied as an Energy Resource (ER) Interconnection Request. Certain requests that requested Network Resource Interconnection Service (NRIS) had an additional analysis conducted for displacing resources in the interconnecting Transmission Owner’s balancing authority.

This analysis was conducted assuming that previous queued requests in the immediate area of these interconnect requests were in-service. The analysis of each Customer’s project indicates that criteria violations will occur on the AEPW, KCPL, LES, MIDW, NPPD, OKGE, SPS, SUNC, WFEC, and WERE transmission systems under system intact and contingency conditions in the peak seasons.

## Cluster Group 1 (Woodward Area)

In addition to the 3,281.8 MW of previously queued generation in the area, 948.9 MW of new interconnection service was studied. The requests in this group cause constraints in the Woodward – Northwest 345kV corridors. To relieve these issues a new 345kV station, Mathewson, is needed to tie the Tatonga – Northwest and Woodring – Cimarron 345kV circuits together. In addition, second 345kV circuits are need between Tatonga – Mathewson and Mathewson – Cimarron with terminal equipment replacement at Tatonga to ensure Woodward – Tatonga – Mathewson circuits are at 3000 amps. FPL Switch – Woodward 138kV and FPL Switch – Mooreland will need to be rebuilt for thermal overloads for NRIS analysis.

Group 1: ERIS Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
Non-converged Contingency	1195	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1

Group 1: NRIS Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
FPL SWITCH - MOORELAND 138KV CKT 1	287	108.8611	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FPL SWITCH - WOODWARD 138KV CKT 1	153	160.8534	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1

### Cluster Group 2 (Hitchland Area)

In addition to the 2,142.2 MW of previously queued generation in the area, 819.0 MW of new interconnection service was studied. Stability and power flow analysis shows that the Beaver County – Buckner 345kV upgrade will be needed to alleviate potential voltage stability issues for the outage of the Beaver County – Woodward 345kV line, the Finney – Hitchland 345kV line, and the Finney – Holcomb 345kV line. FPL Switch – Woodward 138kV and FPL Switch – Mooreland will need to be mitigated for thermal overloads for NRIS customers. A second Hitchland 230/115/13.2kV transformer is needed as a NRIS upgrade due to the outage of the Hitchland Interchange – Ochiltree 230kV line. The overload on Canyon East Sub – Osage Switching Station 115kV line is a NRIS upgrade that will use SPP-NTC-20130 Randall – South Georgia and Osage Station line re-termination (in-service date of 6/1/2016) along with the need for the Transmission services upgrade (SPP-2011-AG3-AFS-9, in-service date of 5/1/2016) Canyon East – Randall 115kV line rebuild. There is also a need for TUCO 345kV – New Deal 345/115kV – Stanton 115kV (SPP-NTC-200184) due to the overloads on TUCO 230/115kV transformer circuit 1 caused by the outage of TUCO 230/115kV transformer circuit 2.

Group 2: ERIE Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
Non-converged Contingency	1792	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
Non-converged Contingency	1792	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
Non-converged Contingency	1052	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
Non-converged Contingency	1052	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1

Group 2: NRIS Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	109.6049	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FPL SWITCH - MOORELAND 138KV CKT 1	287	111.5579	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FPL SWITCH - WOODWARD 138KV CKT 1	153	177.3086	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	111.2502	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
TUCO INTERCHANGE (GE M102345) 230/115/13.2KV TRANSFORMER CKT 1	252	106.9921	TUCO INTERCHANGE (ENRCO 136401) 230/115/13.2KV TRANSFORMER CKT 2

### Cluster Group 3 (Spearville Area)

In addition to the 2,738.8 MW of previously queued generation in the area, 1,099.1 MW of new interconnection service was studied. Stability and power flow analysis shows that the Beaver County – Buckner 345kV upgrade will be needed to alleviate potential voltage stability issues for the outage of the Buckner – Holcolm 345kV line and the Clark County – Thistle 345kV line. After ERIE upgrades were placed in the models, NRIS analysis was performed and indicated Spearville-Mullergren 230kV line will need to be rebuilt.

Group 3: ERIE Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
Non-converged Contingency	717.1	-	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1

Non-converged Contingency	1793	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
Non-converged Contingency	1793	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2

Group 3: NRIS Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	150.2632	G11-17T 345.00 - POST ROCK 345KV CKT 1

**Cluster Group 4 (NW Kansas Group)**

In addition to the 1,687.1 MW of previously queued generation in the area, 201.0 MW of new interconnection service was studied. The addition of the 201.0 MW caused the need for the conversion of the Rice-Circle 230kV line and a rebuild of some 115kV lines in Midwest. These upgrades have been completed. No new constraints were found in this area.

**Cluster Group 5 (Amarillo Area)**

In addition to the 1,332.6 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

**Cluster Group 6 (South Texas Panhandle/New Mexico)**

In addition to the 1,821.0 MW of previously queued generation in the area, 132.3 MW of new interconnection service was studied.

**Cluster Group 7 (Southwestern Oklahoma)**

In addition to the 1,568.2 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

**Cluster Group 8 (South Central Kansas/North Oklahoma)**

In addition to the 1,754.6 MW of previously queued generation in the area, 4.5 MW of new interconnection service was studied. No new constraints for mitigation were found in this area.

**Cluster Group 9/10 (Nebraska)**

In addition to the 1,329.8 MW of previously queued generation in the area, 193.6 MW of new interconnection service was studied. To integrate the request located in this area, Twin Church – Hoskins 230kV will need to have work done to raise the ratings of the line.

Group 9: ERIS Constraints			
MONITORED ELEMENT	RATE B (MVA)	TC%LOADING (% MVA)	CONTINGENCY
G10-51T 230.00 - HOSKINS 230KV CKT 1	225	142.9179	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	100.633	G10-51T 230.00 - HOSKINS 230KV CKT 1

**Cluster Group 12 (Northwest Arkansas)**

In addition to the 0.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

**Cluster Group 13 (Northwest Missouri)**

In addition to the 84.6 MW of previously queued generation in the area, 201.0 MW of new interconnection service was studied. No new constraints were found in this area.

**Cluster Group 14 (South Central Oklahoma)**

In addition to the 0.0 MW of previously queued generation in the area, 0.0 MW of new interconnection service was studied. No new constraints were found in this area.

**Curtailment and System Reliability**

In no way does this study guarantee operation for all periods of time. It should be noted that although this study analyzed many of the most probable contingencies, it is not an all-inclusive list and cannot account for every operational situation. Because of this, it is likely that the Customer[s] may be required to reduce their generation output to 0 MW under certain system conditions to allow system operators to maintain the reliability of the transmission network.

## Stability Analysis

A stability analysis was conducted for each Interconnection Customer’s facility using modified versions of the 2013 series SPP Model Development Working Group (MDWG) Models 2014 winter, 2015 summer, and 2024 summer peak dynamic models. The stability analysis was conducted with all upgrades in service that were identified in the power flow analysis. For each group, the interconnection requests were studied at 100% nameplate output while the other groups were dispatched at 20% output for wind requests and 100% output for fossil requests. The output of the Interconnection Customer’s facility was offset in each model by a reduction in output of existing online SPP generation. The following synopsis is included for each group.

### Cluster Group 1 (Woodward Area)

The Group 1 stability analysis for this restudy was performed by SPP Staff. Stability analysis has determined that when all previously assigned and currently assigned network upgrades are placed in-service the transmission system will remain stable and low voltage ride through requirements are satisfied for the contingencies studied.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in service, all interconnection requests in Group 1 will meet FERC Order #661A low voltage ride through (LVRT) requirements.

Power Factor Requirements:

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI*	
				Lagging (supplying)	Leading (absorbing)
GEN-2011-007	250.2	RePower 2.05MW	Tap Cimarron - Woodring 345kV	0.95	0.95
GEN-2011-010	100.8	GE 1.6MW	Minco 345kV	0.97	0.99
GEN-2011-019	299	Siemens 2.3MW	Woodward 345kV	0.99	0.95
GEN-2011-020	299	Siemens 2.3MW	Woodward 345kV	0.99	0.95

\*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

### Cluster Group 2 (Hitchland Area)

The Group 2 stability analysis for this restudy was performed by SPP Staff. Stability analysis has determined that when all previously assigned and currently assigned network upgrades are placed in-service the transmission system will remain stable and low voltage ride through requirements are satisfied for the contingencies studied.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in service, all interconnection request in Group 2 will meet FERC Order #661A low voltage ride through (LVRT) requirements.



**Power Factor Requirements:**

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI*	
				Lagging (supplying)	Leading (absorbing)
ASGI-2011-002	20	DeWind 2.0MW	Herring 115kV	0.95	0.95
GEN-2011-014	201	Siemens 3.0MW	Tap Hitchland - Woodward 345kV	0.95	1.00
GEN-2011-021	299	Siemens 2.3MW	Tap Hitchland - Woodward 345kV	0.98	0.98
GEN-2011-022	299	Siemens 2.3MW	Hitchland 345kV	0.95	1.00

\*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

**Cluster Group 3 (Spearville Area)**

The Group 3 stability analysis for this restudy was performed by SPP Staff. Stability analysis has determined that when all previously assigned and currently assigned network upgrades are placed in-service the transmission system will remain stable and low voltage ride through requirements are satisfied for the contingencies studied.

Power Factor analysis was not performed again for this restudy but the analysis from the prior study has been reported below. With the power factor requirements and all network upgrades in service, all interconnection request in Group 3 will meet FERC Order #661A low voltage ride through (LVRT) requirements.

**Power Factor Requirements:**

Request	Size (MW)	Generator Model	Point of Interconnection	Power Factor Requirement at POI	
				Lagging (supplying)	Leading (absorbing)
GEN-2011-008	600	GE 1.6MW	Clark County 345kV	0.95	1.00
GEN-2011-016	200.1	Siemens 2.3MW	Spearville 345kV	0.95	1.00
GEN-2011-017	299	Siemens 2.3MW	Tap Spearville – Post Rock 345kV	0.95	0.99

\*As reactive power is required for all projects, the final requirement in the GIA will be the pro-forma 95% lagging to 95% leading at the point of interconnection.

**Cluster Group 4 (Mingo Area)**

There was no stability analysis conducted in the Mingo area due to no requests in the area.

**Cluster Group 5 (Amarillo Area)**

There was no stability analysis conducted in the Amarillo area due to no requests in the area.

**Cluster Group 6 (South Texas Panhandle/New Mexico)**

The Group 6 stability analysis was not performed again for this restudy.

**Cluster Group 7 (Southwest Oklahoma Area)**

There was no stability analysis conducted in the Southwest Oklahoma area due to no requests in the area.

**Cluster Group 8 (South Central Kansas/North Oklahoma)**

The Group 8 stability analysis was not performed again for this restudy.

**Cluster Group 9/10 (Nebraska)**

The Group 9/10 stability analysis was not performed again for this restudy.

**Cluster Group 11 (North Central Kansas Area)**

The Group 11 stability analysis was not performed again for this restudy.

**Cluster Group 12 (Northwest Arkansas Area)**

There was no stability analysis conducted in the Northwest Arkansas area due to no requests in the area.

**Cluster Group 13 (Northwest Missouri Area)**

The Group 13 stability analysis was not performed again for this restudy.

**Cluster Group 14 (South Central Oklahoma)**

There was no stability analysis conducted in the Northwest Arkansas area due to no requests in the area.

**Cluster Group 15 (reserved)**

This group has been retired and all prior Group 15 requests have been re-designated as Group 9/10 requests.

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## Conclusion

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The minimum cost of interconnecting 3,599.6 MW of new interconnection requests included in this Definitive Interconnection System Impact Study is estimated at \$485,459,306 for the Allocated Network Upgrades and Transmission Owner Interconnection Facilities are listed in Appendix E and F. These costs do not include the cost of upgrades of other transmission facilities listed in Appendix H which are Network Constraints.

These interconnection costs do not include any cost of Network Upgrades determined to be required by short circuit analysis. These studies will be performed if the Interconnection Customer executes the appropriate Interconnection Facilities Study Agreement and provides the required data along with demonstration of Site Control and the appropriate deposit. At the time of the Interconnection Facilities Study, a better determination of the interconnection facilities may be available.

The required interconnection costs listed in Appendices E, and F, and other upgrades associated with Network Constraints do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request (TSR) through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP Open Access Transmission Tariff (OATT).

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# Appendix

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**A: Generation Interconnection Requests Considered for Impact Study**

See next page.

## **A: Generation Interconnection Requests Considered for Impact Study**

Request	Amount	Service	Area	Requested Point of Interconnection	Proposed Point of Interconnection	Requested In-Service Date	In Service Date Delayed Until no earlier than*
ASGI-2011-002	20.00	ER	SPS	Herring 115kV	Herring 115kV		TBD
ASGI-2011-003	10.00	ER	SPS	Hendricks 115kV	Hendricks 115kV		TBD
GEN-2010-020	20.00	ER	SPS	Roswell 69kV	Roswell 69kV	3/1/2011	12/31/2014
GEN-2010-055	4.50	ER	AEPW	Wekiwa 138kV	Wekiwa 138kV	12/31/2011	TBD
GEN-2010-056	151.20	ER/NR	MIPU	Tap Saint Joseph - Cooper 345kV	Tap Saint Joseph - Cooper 345kV	6/1/2012	TBD
GEN-2010-057	201.00	ER/NR	MIDW	Rice County 230kV	Rice County 230kV	8/1/2012	TBD
GEN-2010-058	20.00	ER	SPS	Chaves County 115kV	Chaves County 115kV	12/31/2011	12/31/2014
GEN-2011-007	250.10	ER	OKGE	Tap Cimarron - Woodring (Mathewson) 345kV	Tap Cimarron - Woodring (Mathewson) 345kV	11/30/2011	12/31/2014
GEN-2011-008	600.00	ER	SUNCMKEC	Clark County 345kV	Clark County 345kV	12/1/2015	12/1/2015
GEN-2011-010	100.80	ER	OKGE	Minco 345kV	Minco 345kV	12/1/2012	TBD
GEN-2011-011	50.00	ER	KACP	Iatan 345kV	Iatan 345kV	12/31/2010	TBD
GEN-2011-014	201.00	ER	OKGE	Tap Hitchland - Woodward Ckt 1 (Beaver County) 345kV	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV	12/31/2013	12/31/2014
GEN-2011-016	200.10	ER/NR	SUNCMKEC	Spearville 345kV	Spearville 345kV	12/1/2013	12/31/2014
GEN-2011-017	299.00	ER/NR	SUNCMKEC	Tap Spearville - PostRock 345kV	Tap Spearville - PostRock (GEN-2011-017T) 345kV	12/1/2013	12/31/2014
GEN-2011-018	73.60	ER/NR	NPPD	Steele City 115kV	Steele City 115kV	12/1/2013	
GEN-2011-019	299.00	ER/NR	OKGE	Woodward 345kV	Woodward 345kV	12/31/2012	12/31/2014
GEN-2011-020	299.00	ER/NR	OKGE	Woodward 345kV	Woodward 345kV	12/31/2012	12/31/2014
GEN-2011-021	299.00	ER	OKGE	Tap Hitchland - Beaver 345kV	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV	12/31/2012	12/31/2014
GEN-2011-022	299.00	ER/NR	SPS	Hitchland 345kV	Hitchland 345kV	12/31/2012	12/31/2014
GEN-2011-025	82.30	ER	SPS	Tap Floyd County - Crosby County 115kV	Tap Floyd County - Crosby County 115kV	6/30/2012	12/31/2014
GEN-2011-027	120.00	ER/NR	NPPD	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)	12/31/2012	TBD
<b>Total: 3,599.60</b>							

\*Requests that dependent upon Priority Projects or Balanced Portfolio may be delayed until 12/31/2014. Other requests in-service date to be determined after Facility Study.

## **B: Prior Queued Interconnection Requests**

See next page.

## **B: Prior Queued Interconnection Requests**

<b>Request</b>	<b>Amount</b>	<b>Area</b>	<b>Requested/Proposed Point of Interconnection</b>	<b>Status or In-Service Date</b>
ASGI-2010-006	150.00	AECI	Tap Fairfax (AECI) - Shilder (AEPW) 138kV	AECI queue Affected Study
ASGI-2010-010	42.20	SPS	Lovington 115kV	Lea County Affected Study
ASGI-2010-020	30.00	SPS	Tap LE-Tatum - LE-Crossroads 69kV	Lea County Affected Study
ASGI-2010-021	15.00	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV	Lea County Affected Study
ASGI-2011-001	28.80	SPS	Lovington 115kV	On-Line
GEN-2001-014	96.00	WFEC	Ft Supply 138kV	On-Line
GEN-2001-026	74.00	WFEC	Washita 138kV	On-Line
GEN-2001-033	180.00	SPS	San Juan Tap 230kV	On-Line at 120MW
GEN-2001-036	80.00	SPS	Norton 115kV	On-Line
GEN-2001-037	100.00	OKGE	FPL Moreland Tap 138kV	On-Line
GEN-2001-039A	105.00	SUNCMKEC	Tap Greensburg - Ft Dodge (Shooting Star Tap) 115kV	On-Line
GEN-2001-039M	100.00	SUNCMKEC	Central Plains Tap 115kV	On-Line
GEN-2002-004	200.00	WERE	Latham 345kV	On-Line at 150MW
GEN-2002-005	120.00	WFEC	Red Hills Tap 138kV	On-Line
GEN-2002-008	240.00	SPS	Hitchland 345kV	On-Line at 120MW
GEN-2002-009	80.00	SPS	Hansford 115kV	On-Line
GEN-2002-022	240.00	SPS	Bushland 230kV	On-Line
GEN-2002-023N	0.80	NPPD	Harmony 115kV	On-Line
GEN-2002-025A	150.00	SUNCMKEC	Spearville 230kV	On-Line
GEN-2003-004	100.00	WFEC	Washita 138kV	On-Line
GEN-2003-005	100.00	WFEC	Anadarko - Paradise (Blue Canyon) 138kV	On-Line
GEN-2003-006A	200.00	SUNCMKEC	Elm Creek 230kV	On-Line
GEN-2003-019	250.00	MIDW	Smoky Hills Tap 230kV	On-Line
GEN-2003-020	160.00	SPS	Martin 115kV	On-Line
GEN-2003-021N	75.00	NPPD	Ainsworth Wind Tap 115kV	On-Line
GEN-2003-022	120.00	AEPW	Washita 138kV	On-Line
GEN-2004-005N	30.00	NPPD	St Francis 115kV	On Suspension
GEN-2004-014	154.50	SUNCMKEC	Spearville 230kV	On-Line at 100MW
GEN-2004-020	27.00	AEPW	Washita 34.5kV	On-Line
GEN-2004-023	20.60	WFEC	Washita 138kV	On-Line
GEN-2004-023N	75.00	NPPD	Columbus Co 115kV	On-Line
GEN-2005-003	30.60	WFEC	Washita 138kV	On-Line
GEN-2005-008	120.00	OKGE	Woodward 138kV	On-Line
GEN-2005-012	250.00	SUNCMKEC	Ironwood 345kV	On-Line at 160MW
GEN-2005-013	201.00	WERE	Tap Latham - Neosho (Caney River) 345kV	On-Line
GEN-2006-002	101.00	AEPW	Sweetwater 230kV	On-Line
GEN-2006-006	205.50	SUNCMKEC	Spearville 345kV	On Schedule for 2015
GEN-2006-018	170.00	SPS	TUCO Interchange 230kV	On-Line
GEN-2006-020N	42.00	NPPD	Bloomfield 115kV	On-Line
GEN-2006-020S	18.90	SPS	DWS Frisco 115kV	On-Line
GEN-2006-021	101.00	SUNCMKEC	Flat Ridge Tap 138kV	On-Line
GEN-2006-022	150.00	SUNCMKEC	RV Road 115kV	On Schedule for 2014
GEN-2006-024S	19.80	WFEC	Buffalo Bear Tap 69kV	On-Line
GEN-2006-026	604.00	SPS	Hobbs 230kV & Hobbs 115kV	On-Line
GEN-2006-031	75.00	MIDW	Knoll 115kV	On-Line
GEN-2006-035	225.00	AEPW	Sweetwater 230kV	On-Line at 132MW
GEN-2006-037N1	75.00	NPPD	Broken Bow 115kV	On Schedule for 2014



Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2006-038N005	80.00	NPPD	Broken Bow 115kV	On-Line
GEN-2006-038N019	80.00	NPPD	Petersburg North 115kV	On-Line
GEN-2006-040	108.00	SUNCMKEC	Mingo 115kV	On Suspension
GEN-2006-043	99.00	AEPW	Sweetwater 230kV	On-Line
GEN-2006-044	370.00	SPS	Hitchland 345kV	On-Line at 80MW
GEN-2006-044N	40.50	NPPD	North Petersburg 115kV	On-Line
GEN-2006-046	131.00	OKGE	Dewey 138kV	On-Line
GEN-2006-047	240.00	SPS	Tap Bushland - Deaf Smith (Buffalo) 230kV	On Suspension
GEN-2007-011	135.00	SUNCMKEC	Syracuse 115kV	On Suspension
GEN-2007-011N08	81.00	NPPD	Bloomfield 115kV	On-Line
GEN-2007-021	201.00	OKGE	Tatonga 345kV	On Schedule for 2014
GEN-2007-025	300.00	WERE	Viola 345kV	On-Line
GEN-2007-032	150.00	WFEC	Tap Clinton Junction - Clinton 138kV	On Schedule for 2013
GEN-2007-038	200.00	SUNCMKEC	Spearville 345kV	On Schedule for 2015
GEN-2007-040	200.00	SUNCMKEC	Buckner 345kV	On-Line at 132MW
GEN-2007-043	200.00	OKGE	Minco 345kV	On-Line
GEN-2007-044	300.00	OKGE	Tatonga 345kV	On Schedule for 2014
GEN-2007-046	199.50	SPS	Hitchland 115kV	On Schedule for 2014
GEN-2007-048	400.00	SPS	Tap Amarillo S - Swisher 230kV	On Schedule for 2014
GEN-2007-050	170.00	OKGE	Woodward EHV 138kV	On-Line at 150MW
GEN-2007-052	150.00	WFEC	Anadarko 138kV	On-Line
GEN-2007-062	765.00	OKGE	Woodward EHV 345kV	On Schedule for 2014
GEN-2008-003	101.00	OKGE	Woodward EHV 138kV	On-Line
GEN-2008-008	60.00	SPS	Graham 69kV	On Suspension
GEN-2008-013	300.00	OKGE	Tap Wichita - Woodring (Hunter) 345kV	On-Line at 235MW
GEN-2008-017	300.00	SUNCMKEC	Setab 345kV	On Schedule for 2015
GEN-2008-018	250.00	SPS	Finney 345kV	On Schedule for 2014
GEN-2008-019	300.00	OKGE	Tatonga 345kV	On Schedule for 2015
GEN-2008-021	42.00	WERE	Wolf Creek 345kV	On-Line
GEN-2008-022	300.00	SPS	Tap Eddy Co - Tolk (Chaves County) 345kV	On Schedule for 2015
GEN-2008-023	150.00	AEPW	Hobart Junction 138kV	On-Line
GEN-2008-029	250.50	OKGE	Woodward EHV 138kV	On Schedule for 2014
GEN-2008-037	101.00	WFEC	Tap Washita - Blue Canyon Wind 138kV	On-Line
GEN-2008-044	197.80	OKGE	Tatonga 345kV	On-Line
GEN-2008-047	300.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV	IA Pending
GEN-2008-051	322.00	SPS	Potter County 345kV	On-Line at 161MW
GEN-2008-079	99.20	SUNCMKEC	Tap Cudahy - Ft Dodge 115kV	On-Line
GEN-2008-086N02	200.00	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV	On Schedule for 2014
GEN-2008-088	50.60	SPS	Vega 69kV	On Schedule for 2014
GEN-2008-092	201.00	MIDW	Post Rock 230kV	IA Pending
GEN-2008-098	100.80	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV	On Schedule for 2015
GEN-2008-1190	60.00	OPPD	S1399 161kV	On-Line
GEN-2008-123N	89.70	NPPD	Tap Guide Rock - Pauline (Rosemont) 115kV	On Schedule for 2014
GEN-2008-124	200.10	SUNCMKEC	Ironwood 345kV	On Schedule for 2016
GEN-2008-129	80.00	MIPU	Pleasant Hill 161kV	On-Line
GEN-2009-008	199.50	MIDW	South Hays 230kV	On Schedule for 2015
GEN-2009-020	48.60	MIDW	Tap Nekoma - Bazine (Walnut Creek) 69kV	On Schedule for 2015
GEN-2009-025	60.00	OKGE	Nardins 69kV	On-Line
GEN-2009-040	108.00	WERE	Marshall 115kV	On Schedule for 2015

Request	Amount	Area	Requested/Proposed Point of Interconnection	Status or In-Service Date
GEN-2010-001	300.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV	On Schedule for 2014 (204 MW) and 2015 (96 MW)
GEN-2010-003	100.80	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV	On Schedule for 2015
GEN-2010-005	300.00	WERE	Viola 345kV	On-Line at 170MW
GEN-2010-006	205.00	SPS	Jones 230kV	On-Line
GEN-2010-009	165.60	SUNCMKEC	Buckner 345kV	On-Line
GEN-2010-011	29.70	OKGE	Tatonga 345kV	On Line
GEN-2010-014	358.80	SPS	Hitchland 345kV	On Schedule for 2016
GEN-2010-015	200.10	SUNCMKEC	Spearville 345kV	On Schedule for 2015
GEN-2010-036	4.60	WERE	6th Street 115kV	On-Line
GEN-2010-040	300.00	OKGE	Cimarron 345kV	On-Line
GEN-2010-041	10.50	OPPD	S 1399 161kV	IA Pending
GEN-2010-045	197.80	SUNCMKEC	Buckner 345kV	IA Pending
GEN-2010-046	56.00	SPS	TUCO Interchange 230kV	On Schedule for 2016
GEN-2010-048	70.00	MIDW	Tap Beach Station - Redline 115kV	IA Pending
GEN-2010-051	200.00	NPPD	Tap Twin Church - Hoskins 230kV	On Schedule for 2014
Gray County Wind (Montezuma)	110.00	SUNCMKEC	Gray County Tap 115kV	On-Line
Llano Estacado (White Deer)	80.00	SPS	Llano Wind 115kV	On-Line
NPPD Distributed (Broken Bow)	8.30	NPPD	Broken Bow 115kV	On-Line
NPPD Distributed (Burt County Wind)	12.00	NPPD	Tekamah & Oakland 115kV	On-Line
NPPD Distributed (Burwell)	3.00	NPPD	Ord 115kV	On-Line
NPPD Distributed (Columbus Hydro)	45.00	NPPD	Columbus 115kV	On-Line
NPPD Distributed (Ord)	11.90	NPPD	Ord 115kV	On-Line
NPPD Distributed (Stuart)	2.10	NPPD	Ainsworth 115kV	On-Line
SPS Distributed (Dumas 19th St)	20.00	SPS	Dumas 19th Street 115kV	On-Line
SPS Distributed (Etter)	20.00	SPS	Etter 115kV	On-Line
SPS Distributed (Hopi)	10.00	SPS	Hopi 115kV	On-Line
SPS Distributed (Jal)	10.00	SPS	S Jal 115kV	On-Line
SPS Distributed (Lea Road)	10.00	SPS	Lea Road 115kV	On-Line
SPS Distributed (Monument)	10.00	SPS	Monument 115kV	On-Line
SPS Distributed (Moore E)	25.00	SPS	Moore East 115kV	On-Line
SPS Distributed (Ocotillo)	10.00	SPS	S_Jal 115kV	On-Line
SPS Distributed (Sherman)	20.00	SPS	Sherman 115kV	On-Line
SPS Distributed (Spearman)	10.00	SPS	Spearman 69kV	On-Line
SPS Distributed (TC-Texas County)	20.00	SPS	Texas County 115kV	On-Line
<b>Total:</b>		<b>17,740.7</b>		

## **C: Study Groupings**

See next page

## C. Study Groups

<b>GROUP 1: WOODWARD AREA</b>			
<b>Request</b>	<b>Capacity</b>	<b>Area</b>	<b>Proposed Point of Interconnection</b>
GEN-2001-014	96.00	WFEC	Ft Supply 138kV
GEN-2001-037	100.00	OKGE	FPL Moreland Tap 138kV
GEN-2005-008	120.00	OKGE	Woodward 138kV
GEN-2006-024S	19.80	WFEC	Buffalo Bear Tap 69kV
GEN-2006-046	131.00	OKGE	Dewey 138kV
GEN-2007-021	201.00	OKGE	Tatonga 345kV
GEN-2007-043	200.00	OKGE	Minco 345kV
GEN-2007-044	300.00	OKGE	Tatonga 345kV
GEN-2007-050	170.00	OKGE	Woodward EHV 138kV
GEN-2007-062	765.00	OKGE	Woodward EHV 345kV
GEN-2008-003	101.00	OKGE	Woodward EHV 138kV
GEN-2008-019	300.00	OKGE	Tatonga 345kV
GEN-2008-029	250.50	OKGE	Woodward EHV 138kV
GEN-2008-044	197.80	OKGE	Tatonga 345kV
GEN-2010-011	29.70	OKGE	Tatonga 345kV
GEN-2010-040	300.00	OKGE	Cimarron 345kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>3,281.80</b>		
GEN-2011-007	250.10	OKGE	Tap Cimarron - Woodring (Mathewson) 345kV
GEN-2011-010	100.80	OKGE	Minco 345kV
GEN-2011-019	299.00	OKGE	Woodward 345kV
GEN-2011-020	299.00	OKGE	Woodward 345kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>948.90</b>		
<b>AREA TOTAL</b>	<b>4,230.70</b>		

**GROUP 2: HITCHLAND AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-008	240.00	SPS	Hitchland 345kV
GEN-2002-009	80.00	SPS	Hansford 115kV
GEN-2003-020	160.00	SPS	Martin 115kV
GEN-2006-020S	18.90	SPS	DWS Frisco 115kV
GEN-2006-044	370.00	SPS	Hitchland 345kV
GEN-2007-046	199.50	SPS	Hitchland 115kV
GEN-2008-047	300.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV
GEN-2010-001	300.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV
GEN-2010-014	358.80	SPS	Hitchland 345kV
SPS Distributed (Dumas 19th St)	20.00	SPS	Dumas 19th Street 115kV
SPS Distributed (Etter)	20.00	SPS	Etter 115kV
SPS Distributed (Moore E)	25.00	SPS	Moore East 115kV
SPS Distributed (Sherman)	20.00	SPS	Sherman 115kV
SPS Distributed (Spearman)	10.00	SPS	Spearman 69kV
SPS Distributed (TC-Texas County)	20.00	SPS	Texas County 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>2,142.20</b>		
ASGI-2011-002	20.00	SPS	Herring 115kV
GEN-2011-014	201.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV
GEN-2011-021	299.00	OKGE	Tap Hitchland - Woodward Dbl Ckt (Beaver County) 345kV
GEN-2011-022	299.00	SPS	Hitchland 345kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>819.00</b>		
<b>AREA TOTAL</b>	<b>2,961.20</b>		

**GROUP 3: SPEARVILLE AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-039A	105.00	SUNCMKEC	Tap Greensburg - Ft Dodge (Shooting Star Tap) 115kV
GEN-2002-025A	150.00	SUNCMKEC	Spearville 230kV
GEN-2004-014	154.50	SUNCMKEC	Spearville 230kV
GEN-2005-012	250.00	SUNCMKEC	Ironwood 345kV
GEN-2006-006	205.50	SUNCMKEC	Spearville 345kV
GEN-2006-021	101.00	SUNCMKEC	Flat Ridge Tap 138kV
GEN-2006-022	150.00	SUNCMKEC	RV Road 115kV
GEN-2007-038	200.00	SUNCMKEC	Spearville 345kV
GEN-2007-040	200.00	SUNCMKEC	Buckner 345kV
GEN-2008-018	250.00	SPS	Finney 345kV
GEN-2008-079	99.20	SUNCMKEC	Tap Cudahy - Ft Dodge 115kV
GEN-2008-124	200.10	SUNCMKEC	Ironwood 345kV
GEN-2010-009	165.60	SUNCMKEC	Buckner 345kV
GEN-2010-015	200.10	SUNCMKEC	Spearville 345kV
GEN-2010-045	197.80	SUNCMKEC	Buckner 345kV
Gray County Wind (Montezuma)	110.00	SUNCMKEC	Gray County Tap 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>2,738.80</b>		
GEN-2011-008	600.00	SUNCMKEC	Clark County 345kV
GEN-2011-016	200.10	SUNCMKEC	Spearville 345kV
GEN-2011-017	299.00	SUNCMKEC	Tap Spearville - PostRock (GEN-2011-017T) 345kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>1,099.10</b>		
<b>AREA TOTAL</b>	<b>3,837.90</b>		

**GROUP 4/11: NW KANSAS AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-039M	100.00	SUNCMKEC	Central Plains Tap 115kV
GEN-2003-006A	200.00	SUNCMKEC	Elm Creek 230kV
GEN-2003-019	250.00	MIDW	Smoky Hills Tap 230kV
GEN-2006-031	75.00	MIDW	Knoll 115kV
GEN-2006-040	108.00	SUNCMKEC	Mingo 115kV
GEN-2007-011	135.00	SUNCMKEC	Syracuse 115kV
GEN-2008-017	300.00	SUNCMKEC	Setab 345kV
GEN-2008-092	201.00	MIDW	Post Rock 230kV
GEN-2009-008	199.50	MIDW	South Hays 230kV
GEN-2009-020	48.60	MIDW	Tap Nekoma - Bazine (Walnut Creek) 69kV
GEN-2010-048	70.00	MIDW	Tap Beach Station - Redline 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,687.10</b>		
GEN-2010-057	201.00	MIDW	Rice County 230kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>201.00</b>		
<b>AREA TOTAL</b>	<b>1,888.10</b>		

**GROUP 5: AMARILLO AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2002-022	240.00	SPS	Bushland 230kV
GEN-2006-047	240.00	SPS	Tap Bushland - Deaf Smith (Buffalo) 230kV
GEN-2007-048	400.00	SPS	Tap Amarillo S - Swisher 230kV
GEN-2008-051	322.00	SPS	Potter County 345kV
GEN-2008-088	50.60	SPS	Vega 69kV
Llano Estacado (White Deer)	80.00	SPS	Llano Wind 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,332.60</b>		
<b>AREA TOTAL</b>	<b>1,332.60</b>		

<b>GROUP 6: S-TX PANHANDLE/W-TX AREA</b>			
<b>Request</b>	<b>Capacity</b>	<b>Area</b>	<b>Proposed Point of Interconnection</b>
ASGI-2010-010	42.20	SPS	Lovington 115kV
ASGI-2010-020	30.00	SPS	Tap LE-Tatum - LE-Crossroads 69kV
ASGI-2010-021	15.00	SPS	Tap LE-Saunders Tap - LE-Anderson 69kV
ASGI-2011-001	28.80	SPS	Lovington 115kV
GEN-2001-033	180.00	SPS	San Juan Tap 230kV
GEN-2001-036	80.00	SPS	Norton 115kV
GEN-2006-018	170.00	SPS	TUCO Interchange 230kV
GEN-2006-026	604.00	SPS	Hobbs 230kV & Hobbs 115kV
GEN-2008-008	60.00	SPS	Graham 69kV
GEN-2008-022	300.00	SPS	Tap Eddy Co - Tolk (Chaves County) 345kV
GEN-2010-006	205.00	SPS	Jones 230kV
GEN-2010-046	56.00	SPS	TUCO Interchange 230kV
SPS Distributed (Hopi)	10.00	SPS	Hopi 115kV
SPS Distributed (Jal)	10.00	SPS	S Jal 115kV
SPS Distributed (Lea Road)	10.00	SPS	Lea Road 115kV
SPS Distributed (Monument)	10.00	SPS	Monument 115kV
SPS Distributed (Ocotillo)	10.00	SPS	S_Jal 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,821.00</b>		
ASGI-2011-003	10.00	SPS	Hendricks 115kV
GEN-2010-020	20.00	SPS	Roswell 69kV
GEN-2010-058	20.00	SPS	Chaves County 115kV
GEN-2011-025	82.30	SPS	Tap Floyd County - Crosby County 115kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>132.30</b>		
<b>AREA TOTAL</b>	<b>1,953.30</b>		

**GROUP 7: SW-OKLAHOMA AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2001-026	74.00	WFEC	Washita 138kV
GEN-2002-005	120.00	WFEC	Red Hills Tap 138kV
GEN-2003-004	100.00	WFEC	Washita 138kV
GEN-2003-005	100.00	WFEC	Anadarko - Paradise (Blue Canyon) 138kV
GEN-2003-022	120.00	AEPW	Washita 138kV
GEN-2004-020	27.00	AEPW	Washita 34.5kV
GEN-2004-023	20.60	WFEC	Washita 138kV
GEN-2005-003	30.60	WFEC	Washita 138kV
GEN-2006-002	101.00	AEPW	Sweetwater 230kV
GEN-2006-035	225.00	AEPW	Sweetwater 230kV
GEN-2006-043	99.00	AEPW	Sweetwater 230kV
GEN-2007-032	150.00	WFEC	Tap Clinton Junction - Clinton 138kV
GEN-2007-052	150.00	WFEC	Anadarko 138kV
GEN-2008-023	150.00	AEPW	Hobart Junction 138kV
GEN-2008-037	101.00	WFEC	Tap Washita - Blue Canyon Wind 138kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,568.20</b>		
<b>AREA TOTAL</b>	<b>1,568.20</b>		

**GROUP 8: N-OK/S-KS AREA**

Request	Capacity	Area	Proposed Point of Interconnection
ASGI-2010-006	150.00	AECI	Tap Fairfax (AECI) - Schilder (AEPW) 138kV
GEN-2002-004	200.00	WERE	Latham 345kV
GEN-2005-013	201.00	WERE	Tap Latham - Neosho (Caney River) 345kV
GEN-2007-025	300.00	WERE	Viola 345kV
GEN-2008-013	300.00	OKGE	Tap Wichita - Woodring (Hunter) 345kV
GEN-2008-021	42.00	WERE	Wolf Creek 345kV
GEN-2008-098	100.80	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV
GEN-2009-025	60.00	OKGE	Nardins 69kV
GEN-2010-003	100.80	WERE	Tap Lacygne - Wolf Creek (Anderson County) 345kV
GEN-2010-005	300.00	WERE	Viola 345kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,754.60</b>		
GEN-2010-055	4.50	AEPW	Wekiwa 138kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>4.50</b>		
<b>AREA TOTAL</b>	<b>1,759.10</b>		



<b>GROUP 9/10: NEBRASKA AREA</b>			
<b>Request</b>	<b>Capacity</b>	<b>Area</b>	<b>Proposed Point of Interconnection</b>
GEN-2002-023N	0.80	NPPD	Harmony 115kV
GEN-2003-021N	75.00	NPPD	Ainsworth Wind Tap 115kV
GEN-2004-005N	30.00	NPPD	St Francis 115kV
GEN-2004-023N	75.00	NPPD	Columbus Co 115kV
GEN-2006-020N	42.00	NPPD	Bloomfield 115kV
GEN-2006-037N1	75.00	NPPD	Broken Bow 115kV
GEN-2006-038N005	80.00	NPPD	Broken Bow 115kV
GEN-2006-038N019	80.00	NPPD	Petersburg North 115kV
GEN-2006-044N	40.50	NPPD	North Petersburg 115kV
GEN-2007-011N08	81.00	NPPD	Bloomfield 115kV
GEN-2008-086N02	200.00	NPPD	Tap Ft Randle - Columbus (Madison County) 230kV
GEN-2008-1190	60.00	OPPD	S1399 161kV
GEN-2008-123N	89.70	NPPD	Tap Guide Rock - Pauline (Rosemont) 115kV
GEN-2009-040	108.00	WERE	Marshall 115kV
GEN-2010-041	10.50	OPPD	S 1399 161kV
GEN-2010-051	200.00	NPPD	Tap Twin Church - Hoskins 230kV
NPPD Distributed (Broken Bow)	8.30	NPPD	Broken Bow 115kV
NPPD Distributed (Burt County Wind)	12.00	NPPD	Tekamah & Oakland 115kV
NPPD Distributed (Burwell)	3.00	NPPD	Ord 115kV
NPPD Distributed (Columbus Hydro)	45.00	NPPD	Columbus 115kV
NPPD Distributed (Ord)	11.90	NPPD	Ord 115kV
NPPD Distributed (Stuart)	2.10	NPPD	Ainsworth 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>1,329.80</b>		
GEN-2011-018	73.60	NPPD	Steele City 115kV
GEN-2011-027	120.00	NPPD	Tap Twin Church - Hoskins 230kV (GEN-2010-51 Tap)
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>193.60</b>		
<b>AREA TOTAL</b>	<b>1,523.40</b>		

**GROUP 12: NW-AR AREA**

Request	Capacity	Area	Proposed Point of Interconnection
<b>AREA TOTAL</b>	<b>0.00</b>		

**GROUP 13: NW MISSOURI AREA**

Request	Capacity	Area	Proposed Point of Interconnection
GEN-2008-129	80.00	MIPU	Pleasant Hill 161kV
GEN-2010-036	4.60	WERE	6th Street 115kV
<b>PRIOR QUEUED SUBTOTAL</b>	<b>84.60</b>		
GEN-2010-056	151.20	MIPU	Tap Saint Joseph - Cooper 345kV
GEN-2011-011	50.00	KACP	Iatan 345kV
<b>CURRENT CLUSTER SUBTOTAL</b>	<b>201.20</b>		
<b>AREA TOTAL</b>	<b>285.80</b>		

**GROUP 14: S-OKLAHOMA AREA**

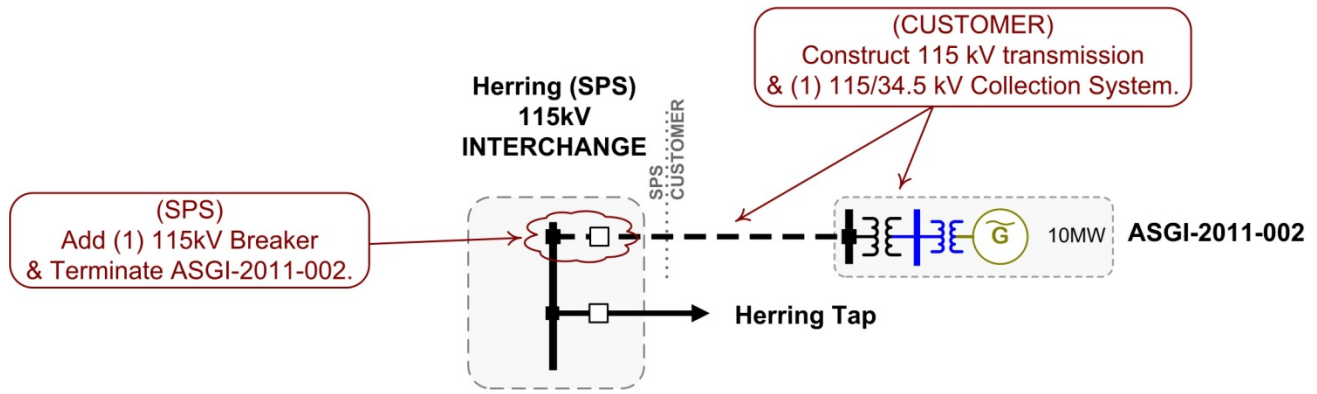
Request	Capacity	Area	Proposed Point of Interconnection
<b>AREA TOTAL</b>	<b>0.00</b>		

<b>CLUSTER TOTAL (CURRENT STUDY)</b>	<b>3,599.6</b>	<b>MW</b>
<b>PQ TOTAL (PRIOR QUEUED)</b>	<b>17,740.7</b>	<b>MW</b>
<b>CLUSTER TOTAL (INCLUDING PRIOR QUEUED)</b>	<b>21,340.3</b>	<b>MW</b>

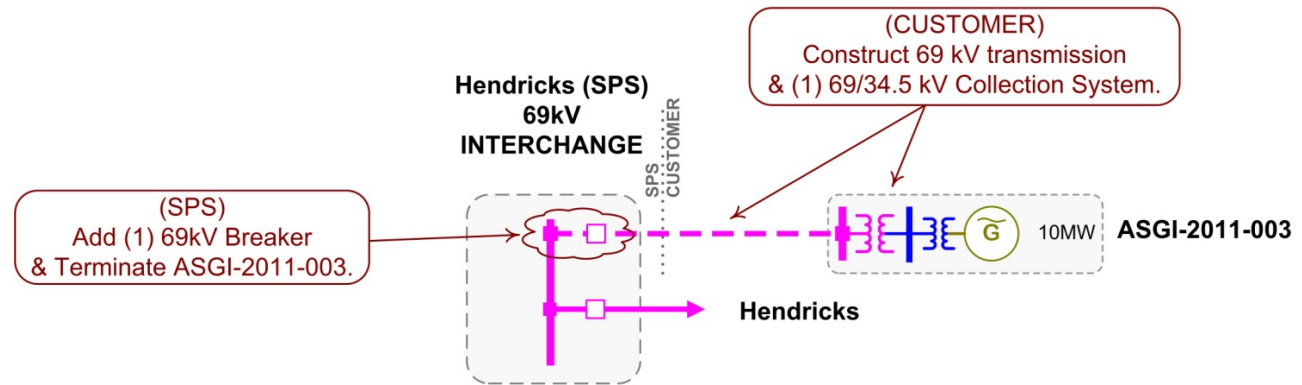
### D: Proposed Point of Interconnection One line Diagrams

\*\*Refer to most recent Facility study for each request for an updated one-line.\*\*

#### ASGI-2011-002



#### ASGI-2011-003



#### GEN-2010-020

\*\*Refer to Facility Study for an updated one-line\*\*

#### GEN-2010-055

\*\*Refer to Facility Study for an updated one-line\*\*

#### GEN-2010-056

\*\*Refer to Facility Study for an updated one-line\*\*

#### GEN-2010-057

\*\*Refer to Facility Study for an updated one-line\*\*

**GEN-2010-058**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-007**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-008**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-010**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-011**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-014**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-016**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-017**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-018**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-019**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-020**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-021**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-022**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-025**

**\*\*Refer to Facility Study for an updated one-line\*\***

**GEN-2011-027**

**\*\*Refer to Facility Study for an updated one-line\*\***

## **E: Cost Allocation per Interconnection Request (Including Prior Queued Upgrades)**

Important Note:

**\*\*WITHDRAWAL OF HIGHER QUEUED PROJECTS WILL CAUSE A RESTUDY  
AND MAY RESULT IN HIGHER INTERCONNECTION COSTS\*\***

This section shows each Generation Interconnection Request Customer, their current study impacted Network Upgrades, and the previously allocated upgrades upon which they rely to accommodate their interconnection to the transmission system.

The costs associated with the current study Network Upgrades are allocated to the Customers shown in this report.

In addition should a higher queued request, defined as one this study includes as a prior queued request, withdraw, the Network Upgrades assigned to the withdrawn request may be reallocated to the remaining requests that have an impact on the Network Upgrade under a restudy. Also, should a Interconnection Request choose to go into service prior to the operation date of any necessary Network Upgrades, the costs associated with those upgrades may be reallocated to the impacted Interconnection Request. The actual costs allocated to each Generation Interconnection Request Customer will be determined at the time of a restudy.

The required interconnection costs listed do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT. In addition, costs associated with a short circuit analysis will be allocated should the Interconnection Request Customer choose to execute a Facility Study Agreement.

# Appendix E. Cost Allocation Per Request

(Including Previously Allocated Network Upgrades\*)

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
<b>ASGI-2011-002</b>			
ASGI 2011-002 Interconnection Costs See Oonline Diagram.	Current Study	\$0.00	\$0.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	\$0.00	
<b>ASGI-2011-003</b>			
ASGI 2011-003 Interconnection Costs See Oneline Diagram.	Current Study	\$0.00	\$0.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs



<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	\$0.00	
<b>GEN-2010-020</b>			
GEN-2010-020 Interconnection Costs See Online Diagram.	Current Study	\$906,824.00	\$906,824.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	\$906,824.00	
<b>GEN-2010-055</b>			
GEN-2010-055 Interconnection Costs See Online Diagram.	Current Study	\$309,300.00	\$309,300.00
	<b>Current Study Total</b>	\$309,300.00	
<b>GEN-2010-056</b>			
GEN-2010-056 Interconnection Costs See Online Diagram.	Current Study	\$8,360,000.00	\$8,360,000.00
latan - Nashua 345KV CKT 1 Balanced Portfolio: latan - Nashua 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$60,569,180.00
Nashua 345/161/13.8KV Autotransformer CKT 1 Balanced Portfolio: Nashua/161/13.8 Autotransformer 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$4,230,000.00
	<b>Current Study Total</b>	\$8,360,000.00	
<b>GEN-2010-057</b>			
GEN-2010-057 Interconnection Costs See Online Diagram.	Current Study	\$859,521.00	\$859,521.00
Lyons - Wheatland 115kV Rerate circuit @ 1000 amps	In-Service		\$80,000.00
Rice County - Circle 230kV Conversion Convert from 115kV to 230kV operation	In-Service		\$9,889,234.00
Rice County - Lyons 115kV Rebuild circuit @ 1000 Amps	In-Service		\$6,646,800.00
Rice County 230/115kV transformer Install 230/115kV transformer at Rice County substation	In-Service		\$7,835,455.00
Wheatland - Lyons 115kV Rerate circuit @ 1000 amps	In-Service		\$76,103.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
latan - Nashua 345KV CKT 1 Balanced Portfolio: Iatan - Nashua 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$60,569,180.00
Nashua 345/161/13.8KV Autotransformer CKT 1 Balanced Portfolio: Nashua/161/13.8 Autotransformer 345kV CKT 1 (Total Project E&C Cost Shown).	Previously Allocated		\$4,230,000.00
South Hays - Hays Plant 115kV CKT 1 NRIS only required upgrade: Per NTC 200210	Previously Allocated		\$4,734,006.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
	<b>Current Study Total</b>	<b>\$859,521.00</b>	

### GEN-2010-058

GEN-2010-058 Interconnection Costs See Online Diagram.	Current Study	\$1,206,694.00	\$1,206,694.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Nichols - Harrington Mid 230kV CKT 1 Per GEN-2008-051 LOIS: Rebuild approximately 1 mile of 230kV @ 1825 amps	Previously Allocated		\$869,251.00
Nichols - Harrington West 230kV CKT 1 Per GEN-2008-051 LOIS: Rebuild approximately 1 mile of 230kV @ 1825 amps	Previously Allocated		\$869,251.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$1,206,694.00</b>	

### **GEN-2011-007**

GEN-2011-007 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$21,981,949.57	\$42,903,753.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$25,636,302.57</b>	

### GEN-2011-008

Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$42,579,236.84	\$170,209,050.00
GEN-2011-008 Interconnection Costs See Online Diagram.	Current Study	\$3,236,246.00	\$3,236,246.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	\$45,815,482.84	
<b>GEN-2011-010</b>			
GEN-2011-010 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	\$3,654,353.00	

#### **GEN-2011-011**

GEN-2011-011 Interconnection Costs See Online Diagram.	Current Study	\$0.00	\$0.00
	<b>Current Study Total</b>	\$0.00	

#### **GEN-2011-014**

Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$22,756,800.02	\$170,209,050.00
GEN-2011-014 Interconnection Costs See Online Diagram.	Current Study	\$3,954,353.00	\$3,954,353.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
	<b>Current Study Total</b>	<b>\$26,711,153.02</b>	

### GEN-2011-016

Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$18,407,553.27	\$170,209,050.00
GEN-2011-016 Interconnection Costs See Online Diagram.	Current Study	\$8,000,000.00	\$8,000,000.00
Mullergren - Spearville 230kV CKT 1 NRIS only required upgrade: Rebuild approximately 62 miles of 230kV line	Current Study	\$18,830,924.20	\$36,107,610.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>		<b>\$45,238,477.47</b>

## GEN-2011-017

Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$25,884,348.37	\$170,209,050.00
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\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs



<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
GEN-2011-017 Interconnection Costs See Online Diagram.	Current Study	\$11,532,284.00	\$11,532,284.00
Mullergren - Spearville 230kV CKT 1 NRIS only required upgrade: Rebuild approximately 62 miles of 230kV line	Current Study	\$17,276,685.80	\$36,107,610.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$54,693,318.17</b>	

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

## Interconnection Request and Upgrades

## Upgrade Type

## Allocated Cost

## Upgrade Cost

### GEN-2011-018

GEN-2011-018 Interconnection Costs See Online Diagram.	Current Study	\$900,000.00	\$900,000.00
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000.00
	<b>Current Study Total</b>	<b>\$900,000.00</b>	

### GEN-2011-019

FPL Switch - Mooreland 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 0.2 miles of 138kV line	Current Study	\$363,475.63	\$820,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 12 miles of 138kV line	Current Study	\$2,885,618.81	\$6,509,948.00
GEN-2011-019 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$10,460,901.72	\$42,903,753.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$52,130,236.50	\$104,260,473.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345KV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345KV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345KV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345KV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$69,494,585.66</b>	
<b>GEN-2011-020</b>			
FPL Switch - Mooreland 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 0.2 miles of 138kV line	Current Study	\$363,475.63	\$820,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 12 miles of 138kV line	Current Study	\$2,885,618.81	\$6,509,948.00
GEN-2011-020 Interconnection Costs See Online Diagram.	Current Study	\$3,654,353.00	\$3,654,353.00
Matthewson - Cimarron 345kV CKT 2 Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps	Current Study	\$10,460,901.72	\$42,903,753.00
Tatonga - Matthewson 345kV CKT 2 Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps	Current Study	\$52,130,236.50	\$104,260,473.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

**Interconnection Request and Upgrades****Upgrade Type****Allocated Cost****Upgrade Cost****Current Study Total**

\$69,494,585.66

**GEN-2011-021**

Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$33,852,155.25	\$170,209,050.00
GEN-2011-021 Interconnection Costs See Online Diagram.	Current Study	\$3,954,353.00	\$3,954,353.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
	<b>Current Study Total</b>	\$37,806,508.25	

**GEN-2011-022**

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

Interconnection Request and Upgrades	Upgrade Type	Allocated Cost	Upgrade Cost
Beaver County - Buckner 345kV Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps	Current Study	\$26,728,956.25	\$170,209,050.00
Canyon East - Randall 115kV line CKT 1 NRIS only required upgrade: Per SPP-2011-AG3-AFS-9 for In Service 5/1/2016. Rebuild approximately 18 miles 115kV Transmission line.	Current Study	\$13,609,088.00	\$13,609,088.00
FPL Switch - Mooreland 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 0.2 miles of 138kV line	Current Study	\$93,048.75	\$820,000.00
FPL Switch - Woodward 138kV CKT 1 NRIS only required upgrade: Rebuild approximately 12 miles of 138kV line	Current Study	\$738,710.39	\$6,509,948.00
GEN-2011-022 Interconnection Costs See Online Diagram.	Current Study	\$3,281,972.00	\$3,281,972.00
Hitchland 230/115/13.2kV Transformer CKT 2 NRIS only required upgrade: Build 230/115/13.2kV Transformer CKT 2	Current Study	\$6,000,000.00	\$6,000,000.00
Multi - TUCO -Stanton 345kV NRIS only required upgrade: SPP-NTC-200184 Build TUCO - New Deal 345kV, New Deal - Stanton 115kV and New Deal 345/115kV transformer CKT 1	Current Study	\$37,490,796.00	\$37,490,796.00
Randall - S Georgia and Osage Station 115kV line reterminate CKT 1 NRIS only required upgrade: Per NTC 20130 for In Service 6/1/2016.	Current Study	\$1,680,000.00	\$1,680,000.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00
Hitchland 345/230kV Autotransformer CKT 2 Priority Project: Hitchland 345/230kV Autotransformer CKT 2 (Total Project E&C Cost Shown).	Previously Allocated		\$8,883,760.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Northwest 345/138k/13.8kVAutotransformer CKT 3 NRIS only required upgrade: Per 2009-AG2-AFS6	Previously Allocated		\$15,000,000.00
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$89,622,571.39</b>	

### **GEN-2011-025**

GEN-2011-025 Interconnection Costs See Online Diagram.	Current Study	\$4,249,629.00	\$4,249,629.00
Beaver County - Woodward 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Beaver County 345kV Expansion Beaver County Expansion: Tap & Tie in Hitchland - Woodward 345kV CKT 2	Previously Allocated		\$3,500,000.00
Border - Tuco Interchange 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Border - Woodward 345KV CKT 1 Balanced Portfolio: Tuco - Woodward 345kV CKT 1 (Total Project E&C Cost Shown)	Previously Allocated		\$249,247,072.00
Clark - Thistle 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Hitchland - Beaver County 345kV Dbl CKT Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$226,040,727.00
Hitchland - Woodward 345kV CKT 2 Priority Project: Hitchland - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$215,877,433.00

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>Interconnection Request and Upgrades</b>	<b>Upgrade Type</b>	<b>Allocated Cost</b>	<b>Upgrade Cost</b>
Spearville -Clark 345KV Dbl CKT Priority Project: Spearville - Clark - Thistle Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Flat Ridge 138kV CKT 1 Priority Project: Thistle - Flat Ridge 138kV CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$5,776,280.00
Thistle - Wichita 345KV Dbl CKT Priority Project: Thistle - Wichita Dbl 345kV CKT (Total Project E&C Cost Shown.)	Previously Allocated		\$426,504,292.00
Thistle - Woodward 345KV Dbl CKT Priority Project: Thistle - Woodward Dbl 345kV CKT (Total Project E&C Cost Shown)	Previously Allocated		\$207,782,000.00
Thistle 345/138KV Transformer CKT 1 Priority Project: Thistle 345/138kV Transformer CKT 1 (Total Project E&C Cost Shown.)	Previously Allocated		\$6,585,986.00
TUCO Interchange 345/230/13.2KV Autotransformer CKT 2 Balanced Portfolio: TUCO 345/230 kV Transformer CKT 2 (Total Project E&C Cost Shown)	Previously Allocated		\$14,900,907.00
Woodward XFMR 345/138/13.8kV CKT 2 Balanced Portfolio: Woodward 345/138kV Transformer CKT 2 & 50 MVAR Reactor (Total Project E&C Cost Shown).	Previously Allocated		\$249,247,072.00
	<b>Current Study Total</b>	<b>\$4,249,629.00</b>	
<b>GEN-2011-027</b>			
GEN-2011-027 Interconnection Costs See Oneline Diagram.	Current Study	\$0.00	\$0.00
Hoskins - Dixon County - Twin Church 230kV Rerate per NPPD Facility Study	Current Study	\$500,000.00	\$500,000.00
Fort Randall - Columbus 230kV CKT 1 Conductor clearance increase	Previously Allocated		\$2,900,000.00
Twin Church - Dixon County 230kV Increase conductor clearances to accommodate 320MVA facility rating	Previously Allocated		\$100,000.00
	<b>Current Study Total</b>	<b>\$500,000.00</b>	
<b>TOTAL CURRENT STUDY COSTS:</b>		<b>\$485,459,306.03</b>	

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

## **F: Cost Allocation per Proposed Study Network Upgrade**

Important Note:

**\*\*WITHDRAWAL OF HIGHER QUEUED PROJECTS WILL CAUSE A RESTUDY  
AND MAY RESULT IN HIGHER INTERCONNECTION COSTS\*\***

This section shows each Direct Assigned Facility and Network Upgrade and the Generation Interconnection Request Customer(s) which have an impact in this study assuming all higher queued projects remain in the queue and achieve commercial operation.

The required interconnection costs listed do not include all costs associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer submits a Transmission Service Request through SPP's Open Access Same Time Information System (OASIS) as required by Attachment Z1 of the SPP OATT. In addition, costs associated with a short circuit analysis will be allocated should the Interconnection Request Customer choose to execute a Facility Study Agreement.

There may be additional costs allocated to each Customer. See Appendix E for more details.



# Appendix F. Cost Allocation by Upgrade

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## ASGI 2011-002 Interconnection Costs \$0.00

See Online Diagram.

ASGI-2011-002 \$0.00

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**Total Allocated Costs \$0.00**

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## ASGI 2011-003 Interconnection Costs \$0.00

See Online Diagram.

ASGI-2011-003 \$0.00

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**Total Allocated Costs \$0.00**

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## Beaver County - Buckner 345kV \$170,209,050.00

Build approximately 90 miles of 345kV from Beaver County - Gray County @ 3000 amps

GEN-2011-008 \$42,579,236.84

GEN-2011-014 \$22,756,800.02

GEN-2011-016 \$18,407,553.27

GEN-2011-017 \$25,884,348.37

GEN-2011-021 \$33,852,155.25

GEN-2011-022 \$26,728,956.25

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**Total Allocated Costs \$170,209,050.00**

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## Randall - S Georgia and Osage Station 115kV line reterminate CKT 1 \$1,680,000.00

NRIS only required upgrade: Per NTC 20130 for In Service 6/1/2016.

GEN-2011-022 \$1,680,000.00

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**Total Allocated Costs \$1,680,000.00**

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## Canyon East - Randall 115kV line CKT 1 \$13,609,088.00

NRIS only required upgrade: Per SPP-2011-AG3-AFS-9 for In Service 5/1/2016. Rebuild approximately 18 miles 115kV Transmission line.

GEN-2011-022 \$13,609,088.00

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**Total Allocated Costs \$13,609,088.00**

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## FPL Switch - Mooreland 138kV CKT 1 \$820,000.00

NRIS only required upgrade: Rebuild approximately 0.2 miles of 138kV line

GEN-2011-019 \$363,475.63

GEN-2011-020 \$363,475.63

GEN-2011-022 \$93,048.75

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**Total Allocated Costs \$820,000.00**

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\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

**FPL Switch - Woodward 138kV CKT 1****\$6,509,948.00**

NRIS only required upgrade: Rebuild approximately 12 miles of 138kV line

GEN-2011-019	\$2,885,618.81
GEN-2011-020	\$2,885,618.81
GEN-2011-022	\$738,710.39

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<b>Total Allocated Costs</b>	<b>\$6,509,948.00</b>
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**GEN-2010-020 Interconnection Costs****\$906,824.00**

See Online Diagram.

GEN-2010-020	\$906,824.00
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<b>Total Allocated Costs</b>	<b>\$906,824.00</b>
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**GEN-2010-055 Interconnection Costs****\$309,300.00**

See Online Diagram.

GEN-2010-055	\$309,300.00
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<b>Total Allocated Costs</b>	<b>\$309,300.00</b>
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**GEN-2010-056 Interconnection Costs****\$8,360,000.00**

See Online Diagram.

GEN-2010-056	\$8,360,000.00
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<b>Total Allocated Costs</b>	<b>\$8,360,000.00</b>
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**GEN-2010-057 Interconnection Costs****\$859,521.00**

See Online Diagram.

GEN-2010-057	\$859,521.00
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<b>Total Allocated Costs</b>	<b>\$859,521.00</b>
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**GEN-2010-058 Interconnection Costs****\$1,206,694.00**

See Online Diagram.

GEN-2010-058	\$1,206,694.00
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<b>Total Allocated Costs</b>	<b>\$1,206,694.00</b>
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**GEN-2011-007 Interconnection Costs****\$3,654,353.00**

See Online Diagram.

GEN-2011-007	\$3,654,353.00
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<b>Total Allocated Costs</b>	<b>\$3,654,353.00</b>
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\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>GEN-2011-008 Interconnection Costs</b>		<b>\$3,236,246.00</b>
See Online Diagram.		
	GEN-2011-008	\$3,236,246.00
	<b>Total Allocated Costs</b>	<b>\$3,236,246.00</b>
<b>GEN-2011-010 Interconnection Costs</b>		<b>\$3,654,353.00</b>
See Online Diagram.		
	GEN-2011-010	\$3,654,353.00
	<b>Total Allocated Costs</b>	<b>\$3,654,353.00</b>
<b>GEN-2011-011 Interconnection Costs</b>		<b>\$0.00</b>
See Online Diagram.		
	GEN-2011-011	\$0.00
	<b>Total Allocated Costs</b>	<b>\$0.00</b>
<b>GEN-2011-014 Interconnection Costs</b>		<b>\$3,954,353.00</b>
See Online Diagram.		
	GEN-2011-014	\$3,954,353.00
	<b>Total Allocated Costs</b>	<b>\$3,954,353.00</b>
<b>GEN-2011-016 Interconnection Costs</b>		<b>\$8,000,000.00</b>
See Online Diagram.		
	GEN-2011-016	\$8,000,000.00
	<b>Total Allocated Costs</b>	<b>\$8,000,000.00</b>
<b>GEN-2011-017 Interconnection Costs</b>		<b>\$11,532,284.00</b>
See Online Diagram.		
	GEN-2011-017	\$11,532,284.00
	<b>Total Allocated Costs</b>	<b>\$11,532,284.00</b>
<b>GEN-2011-018 Interconnection Costs</b>		<b>\$900,000.00</b>
See Online Diagram.		
	GEN-2011-018	\$900,000.00
	<b>Total Allocated Costs</b>	<b>\$900,000.00</b>
<b>GEN-2011-019 Interconnection Costs</b>		<b>\$3,654,353.00</b>
See Online Diagram.		
	GEN-2011-019	\$3,654,353.00
	<b>Total Allocated Costs</b>	<b>\$3,654,353.00</b>

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

<b>GEN-2011-020 Interconnection Costs</b>		<b>\$3,654,353.00</b>
See Online Diagram.		
	GEN-2011-020	\$3,654,353.00
	<b>Total Allocated Costs</b>	<b>\$3,654,353.00</b>
<b>GEN-2011-021 Interconnection Costs</b>		<b>\$3,954,353.00</b>
See Online Diagram.		
	GEN-2011-021	\$3,954,353.00
	<b>Total Allocated Costs</b>	<b>\$3,954,353.00</b>
<b>GEN-2011-022 Interconnection Costs</b>		<b>\$3,281,972.00</b>
See Online Diagram.		
	GEN-2011-022	\$3,281,972.00
	<b>Total Allocated Costs</b>	<b>\$3,281,972.00</b>
<b>GEN-2011-025 Interconnection Costs</b>		<b>\$4,249,629.00</b>
See Online Diagram.		
	GEN-2011-025	\$4,249,629.00
	<b>Total Allocated Costs</b>	<b>\$4,249,629.00</b>
<b>GEN-2011-027 Interconnection Costs</b>		<b>\$0.00</b>
See Online Diagram.		
	GEN-2011-027	\$0.00
	<b>Total Allocated Costs</b>	<b>\$0.00</b>
<b>Hitchland 230/115/13.2kV Transformer CKT 2</b>		<b>\$6,000,000.00</b>
NRIS only required upgrade: Build 230/115/13.2kV Transformer CKT 2		
	GEN-2011-022	\$6,000,000.00
	<b>Total Allocated Costs</b>	<b>\$6,000,000.00</b>
<b>Hoskins - Dixon County - Twin Church 230kV</b>		<b>\$500,000.00</b>
Rerate per NPPD Facility Study		
	GEN-2011-027	\$500,000.00
	<b>Total Allocated Costs</b>	<b>\$500,000.00</b>

\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

**Matthewson - Cimarron 345kV CKT 2** **\$42,903,753.00**

Build second 345kV circuit from Matthewson - Cimarron @ 3000 amps

GEN-2011-007	\$21,981,949.57
GEN-2011-019	\$10,460,901.72
GEN-2011-020	\$10,460,901.72

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**Total Allocated Costs** **\$42,903,753.00**

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**Mullergren - Spearville 230kV CKT 1** **\$36,107,610.00**

NRIS only required upgrade: Rebuild approximately 62 miles of 230kV line

GEN-2011-016	\$18,830,924.20
GEN-2011-017	\$17,276,685.80

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**Total Allocated Costs** **\$36,107,610.00**

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**Multi - TUCO - Stanton 345kV** **\$37,490,796.00**

NRIS only required upgrade: SPP-NTC-200184 Build TUCO - New Deal 345kV, New Deal - Stanton 115kV and New Deal 345/115kV transformer CKT 1

GEN-2011-022	\$37,490,796.00
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**Total Allocated Costs** **\$37,490,796.00**

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**Tatonga - Matthewson 345kV CKT 2** **\$104,260,473.00**

Build second 345kV circuit from Tatonga - Matthewson @ 3000 amps

GEN-2011-019	\$52,130,236.50
GEN-2011-020	\$52,130,236.50

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**Total Allocated Costs** **\$104,260,473.00**

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\* Withdrawal of higher queued projects will cause a restudy and may result in higher costs

## **G: Power Flow Analysis (Constraints For Mitigation)**

See next page.

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FNSL-Blown up	01ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1195	0.144	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1052	0.188	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1052	0.188	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	762.5	0.064	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	717	0.059	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1793	0.055	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1793	0.055	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_002	-	Non-converged Contingency	1792	0.041	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	ASGI_11_002	-	Non-converged Contingency	1792	0.151	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1195	0.116	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1052	0.125	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1052	0.125	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	762.5	0.047	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1793	0.046	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1793	0.046	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	717	0.044	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	ASGI_11_003	-	Non-converged Contingency	1792	0.036	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	ASGI_11_003	-	Non-converged Contingency	1792	0.121	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G10_020	-	Non-converged Contingency	1195	0.122	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G10_020	-	Non-converged Contingency	1052	0.139	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G10_020	-	Non-converged Contingency	1052	0.139	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_020	-	Non-converged Contingency	762.5	0.051	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_020	-	Non-converged Contingency	1793	0.048	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_020	-	Non-converged Contingency	1793	0.048	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_020	-	Non-converged Contingency	717	0.048	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_020	-	Non-converged Contingency	1792	0.037	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	06ALL	0	14G	G10_020	-	Non-converged Contingency	351	0.357	-	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G10_020	-	Non-converged Contingency	1792	0.127	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_056	-	Non-converged Contingency	1052	0.062	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_056	-	Non-converged Contingency	1052	0.062	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	04NR	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.113	100.6	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	04NR	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.113	100.4	RENO COUNTY - WICHITA 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G10_057	-	Non-converged Contingency	1195	0.049	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_057	-	Non-converged Contingency	717.1	0.070	-	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_057	-	Non-converged Contingency	1052	0.068	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_057	-	Non-converged Contingency	1052	0.068	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_057	-	Non-converged Contingency	1792	0.067	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G10_057	-	Non-converged Contingency	1792	0.048	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G10_058	-	Non-converged Contingency	1195	0.122	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G10_058	-	Non-converged Contingency	1052	0.139	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G10_058	-	Non-converged Contingency	1052	0.139	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_058	-	Non-converged Contingency	762.5	0.051	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_058	-	Non-converged Contingency	1793	0.048	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_058	-	Non-converged Contingency	1793	0.048	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_058	-	Non-converged Contingency	717	0.048	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G10_058	-	Non-converged Contingency	1792	0.037	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	06ALL	0	14G	G10_058	-	Non-converged Contingency	351	0.376	-	OASIS INTERCHANGE - SAN JUAN MESA TAP 230KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G10_058	-	Non-converged Contingency	1792	0.127	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	14SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	108.4	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	14SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	106.5	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.067	105.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_007	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.067	103.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_007	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.629	105.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_007	2A	14G	G11_007	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.559	102.2	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_008	-	Non-converged Contingency	1195	0.106	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1793	0.278	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1793	0.278	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	717.1	0.189	-	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1793	0.158	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1793	0.158	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1052	0.118	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1052	0.118	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	1792	0.103	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	717	0.056	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_008	-	Non-converged Contingency	762.5	0.053	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G11_008	-	Non-converged Contingency	1792	0.109	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	177.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	173.4	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	171.7	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	163.1	GEN520997 1-MORLND2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	163.1	BASE CASE
FNSL	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	162.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	160.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.5	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	148.7	GEN514805 1-SOONER UNIT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	148.6	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 245/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	148.1	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	148.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	147.9	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.3	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.3	MINGO - SETAB 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.8	GEN514806 1-SOONER UNIT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	146.8	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	146.2	WOODRING (WOODRING2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	145.8	GEN520922 1-SLEEPING BEAR
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	145.0	GEN509416 1-TURK GENERATION
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN336821 1-GRAND GULF UNIT
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN520947 1-HUGO1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN515042 1-SEMINOLE 3G
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	144.7	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.6	GEN336153 1-WATERFORD UNIT#3
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	144.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.4	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.4	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	GEN509403 1-PIRKEY GENERATION
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509406 1-WELSH #3
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509405 1-WELSH #2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509404 1-WELSH #1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN335831 1-RIVERBEND UNIT#1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.0	GEN509394 1-FLINT CREEK
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.0	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	143.9	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.6	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.5	GEN542957 1-IATAN UNIT #1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	GEN515365 1-CENT 21 34.500
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN523122 1-NBLWND-WTG210.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN560584 1-G06-44-2 4.1600
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN542962 2-IATAN UNIT #2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN523107 1-NOVUS_WND 14.1600
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN515393 1-OGEWIND2G
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.0	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.0	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.9	GEN562023 1-G11_020_3 0.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.9	GEN562026 1-G11_019_3 0.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.7	GEN527161 1-MUSTANG GEN #1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.7	GEN527162 1-MUSTANG GEN #2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.6	GEN560586 1-G06-44-4 4.1600
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN526334 1-JONES 4 116.500
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.0	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	137.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	137.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.4	GEN560429 1-G08-29 0.6400
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	137.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.3	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	137.0	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.3	GEN560371 1-G07-46 0.6900
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	136.1	EL RENO - ROMAN NOSE 138KV CKT 1
FNSL	00NR	0	14WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.105	102.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	110.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	110.1	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	107.9	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	107.9	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	102.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	101.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	100.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_014	-	Non-converged Contingency	1195	0.194	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_014	-	Non-converged Contingency	1792	0.278	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_014	-	Non-converged Contingency	1792	0.278	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	02ALL	0	14G	G11_014	-	Non-converged Contingency	1052	0.206	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_014	-	Non-converged Contingency	1052	0.206	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_014	-	Non-converged Contingency	762.5	0.071	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_014	-	Non-converged Contingency	717	0.066	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_014	-	Non-converged Contingency	1793	0.062	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_014	-	Non-converged Contingency	1793	0.062	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_014	-	Non-converged Contingency	1792	0.046	-	AXTELL - POST ROCK 345KV CKT 1
FDNS	00NR	0	14SP	G11_014	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.044	108.4	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	14SP	G11_014	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.044	106.5	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.032	101.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	108.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	107.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	104.8	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	0	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	103.5	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	111.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	101.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	198.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	181.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	167.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	164.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	162.9	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	158.6	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	157.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	157.0	GEN520997 1-MORLND2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	154.8	BASE CASE
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	153.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	151.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	150.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	150.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	145.2	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	144.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	142.0	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	142.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	141.8	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	141.5	GEN514805 1-SOONER UNIT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.5	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.2	MINGO - SETAB 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	139.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.4	GEN514806 1-SOONER UNIT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	139.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	139.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.5	GEN520922 1-SLEEPING BEAR
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	138.3	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	138.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.9	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN509416 1-TURK GENERATION
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN520947 1-HUGO1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN515042 1-SEMINOLE 3G
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.5	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN336821 1-GRAND GULF UNIT
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	137.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.2	GEN509403 1-PIRKEY GENERATION
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.2	GEN336153 1-WATERFORD UNIT#3
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.1	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509406 1-WELSH #3
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509405 1-WELSH #2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509404 1-WELSH #1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.0	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN335831 1-RIVERBEND UNIT#1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	136.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.8	GEN509394 1-FLINT CREEK
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	136.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	136.7	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.5	SOONER - WOODRING 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	132.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	132.3	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.3	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.2	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN542957 1-IATAN UNIT #1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN515365 1-CENT 21 34.500
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN527162 1-MUSTANG GEN #2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN527161 1-MUSTANG GEN #1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN6560586 1-G06-44-4 4.1600
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN542962 2-IATAN UNIT #2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.8	GEN515393 1-OGEWIND2G
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN562023 1-G11_020_3 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN562026 1-G11_019_3 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN526334 1-JONES 4 116.500
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527163 1-MUSTANG GEN #3 22 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.5	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.5	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.1	GEN560429 1-G08-29 0.6400
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.0	GEN560371 1-G07-46 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	129.9	GEN560256 1-G10-14-1 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	129.8	GEN560257 1-G10-14-2 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	129.5	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.6	BYRON 138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	128.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	127.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	127.5	BYRON 138 138.00 - C_CITY 138 138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	127.4	GEN562042 1-G11_014_3 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	127.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	126.9	C_CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	126.7	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	126.2	GEN560121 1-G08-47 0.5750
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	125.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	125.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	125.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	125.4	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.9	GEN562017 1-G11_022_3 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.2	GEN562020 1-G11_021_3 0.6900
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	124.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	121.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	121.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.1	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	116.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	115.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	115.4	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	105.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	104.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	102.0	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	2	14G	G11_014	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	100.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	3	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	101.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	181.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	146.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	142.2	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.3	GEN520997 1-MORLND2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.1	BASE CASE
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	133.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	133.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	132.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	126.8	THISTLE7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	126.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	126.5	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.2	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.6	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.8	GEN514805 1-SOONER UNIT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	122.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	121.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	121.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.1	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	121.1	POTTER COUNTY INTERCHANGE (WALK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.0	MINGO - SETAB 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.7	GEN514806 1-SOONER UNIT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.6	GEN520922 1-SLEEPING BEAR
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	119.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.1	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.1	GEN509416 1-TURK GENERATION
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.0	GEN520947 1-HUGO1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.0	GEN515042 1-SEMINOLE 3G
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.9	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.6	GEN542957 1-IATAN UNIT #1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.5	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN560586 1-G06-44-4 4.1600
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN542962 2-IATAN UNIT #2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN515365 1-CENT 21 34.500
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.2	GEN562023 1-G11_020_3 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.2	GEN562026 1-G11_019_3 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN515393 1-OGEWIND2G
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN526334 1-JONES_4 116.500
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.6	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	113.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.5	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	113.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.4	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.2	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.7	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.7	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.6	GEN560371 1-G07-46 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.5	GEN560429 1-G08-29 0.6400
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.4	GEN560256 1-G10-14-1 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.3	GEN560257 1-G10-14-2 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	111.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.4	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.7	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.2	GEN562042 1-G11_014_3 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.2	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.7	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.6	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.2	GEN560121 1-G08-47 0.5750
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.4	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.1	GEN562017 1-G11_022_3 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	107.4	GEN562020 1-G11_021_3 0.6900
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	107.3	WOODWARD DISTRICT EHV (WWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	105.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	00NR	3	19SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.100	105.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	105.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	103.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	103.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	102.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FNSL	00NR	3	14WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.097	101.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.1	CEDARDALE - OKEENE 138KV CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	111.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	111.0	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	108.7	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	108.7	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	103.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	102.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	100.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	100.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	14SP	G11_014	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	105.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_014	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	103.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FNSL-Blown up	01ALL	2A	14G	G11_014	-	Non-converged Contingency	1792	0.204	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	150.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	121.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.080	118.4	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.107	111.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.057	104.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.057	104.0	MINGO - SETAB 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.063	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.063	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.074	103.5	MULLERGREEN - SOUTH HAYS 230KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.061	101.4	GEN539677 3-A. M. MULLERGREEN GENERATOR
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.058	100.5	GREENSBURG - SSTARPT3 115.00 115KV CKT 1
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.057	100.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_016	-	Non-converged Contingency	1195	0.102	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	717.1	0.233	-	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1793	0.223	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1793	0.223	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1793	0.194	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1793	0.194	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1052	0.154	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1052	0.154	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	1792	0.121	-	AXTELL - POST ROCK 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	717	0.066	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_016	-	Non-converged Contingency	762.5	0.062	-	MINGO - SETAB 345KV CKT 1
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	136.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	110.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.081	109.6	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	102.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	102.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	133.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.081	107.1	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	107.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	100.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.067	100.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	01ALL	2A	14G	G11_016	-	Non-converged Contingency	1792	0.105	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	150.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.073	118.4	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	112.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	112.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.080	111.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.0	MINGO - SETAB 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.037	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.037	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.063	103.5	MULLERGREEN - SOUTH HAYS 230KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.036	102.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.037	101.4	GEN539677 3-A. M. MULLERGREEN GENERATOR
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.034	100.5	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_017	-	Non-converged Contingency	1195	0.096	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	717.1	0.208	-	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	1793	0.204	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	1793	0.204	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	1792	0.156	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	1052	0.148	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	1052	0.148	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	717	0.051	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_017	-	Non-converged Contingency	762.5	0.044	-	MINGO - SETAB 345KV CKT 1
FDNS	03NR	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.043	101.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03NR	2	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	136.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	2	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.074	109.6	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	2	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.042	102.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	2	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.042	102.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.091	133.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.071	107.1	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.042	100.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.042	100.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	01ALL	2A	14G	G11_017	-	Non-converged Contingency	1792	0.099	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_018	-	Non-converged Contingency	1052	0.080	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_018	-	Non-converged Contingency	1052	0.080	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_018	-	Non-converged Contingency	1793	0.035	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_018	-	Non-converged Contingency	1793	0.035	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FNSL-Blown up	04ALL	0	14G	G11_018	-	Non-converged Contingency	358.5	0.098	-	ELM CREEK - NORTHWEST MANHATTAN 230KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	108.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	105.6	GEN520997 1-MORLND2
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	104.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	103.6	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	100.9	GEN520922 1-SLEEPING BEAR
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	100.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.093	100.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	100.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	160.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	153.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	152.1	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	151.4	GEN520997 1-MORLND2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	150.3	BASE CASE
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	149.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	147.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	146.1	GEN520922 1-SLEEPING BEAR
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	145.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	144.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	144.1	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	142.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	142.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	142.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	140.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	139.4	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	137.4	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	136.9	GEN514805 1-SOONER UNIT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	135.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	135.4	WOODWARD DISTRICT EHV (WWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	134.9	GEN514806 1-SOONER UNIT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	134.8	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	134.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.8	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.2	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	134.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.8	MINGO - SETAB 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	133.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	133.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.3	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.3	GEN509416 1-TURK GENERATION
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.2	GEN520947 1-HUGO1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.1	GEN521120 1-BUFFBEAR2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.1	GEN336821 1-GRAND GULF UNIT
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	133.0	BENTON - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN336153 1-WATERFORD UNIT#3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	GEN560687 1-G11-007 0.5750
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	FLATR0G3 - HARPER 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509406 1-WELSH #3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509405 1-WELSH #2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509404 1-WELSH #1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN501801 1-DOLET HILLS UNIT1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.7	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	132.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.7	GEN542957 1-IATAN UNIT #1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.6	GEN562017 1-G11_022_3 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN560121 1-G08-47 0.5750
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.5	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	128.5	SAND RDG 138/138.00 - WAKITA 138 138.00 138KV CKT 1
FNSL	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN542962 2-IATAN UNIT #2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN527161 1-MUSTANG GEN #1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN527162 1-MUSTANG GEN #2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN515449 1-CRSRDW11 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN562020 1-G11_021_3 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	128.3	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN515450 1-CRSRDW21 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN526334 1-JONES 4 116.500
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.0	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.0	DOVER - DOVER SW 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.9	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	127.9	KNOBHILL (KNOBHILL) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	127.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.4	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.0	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	126.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	126.3	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	125.7	GEN560648 1-G07-21 0.5750
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.8	GEN515397 1-0USPRT 1 34.500
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.5	GEN560175 1-G07-44 0.5750
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.4	GEN560282 1-G08-19 0.6000
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	121.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	121.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	121.1	BYRON 138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	120.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	119.8	GEN515365 1-CENT 21 34.500
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	119.7	BYRON 138 138.00 - C_CITY 138 138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	119.4	GEN515393 1-0GEWND2G
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	119.4	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	119.1	C_CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	118.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	00NR	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.136	116.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	116.0	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	115.1	GEN562023 1-G11_020 3 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	115.1	GEN562026 1-G11_019 3 0.6900
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	112.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	112.4	GEN560429 1-G08-29 0.6400
FDNS	00NR	0	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.132	109.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	108.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	00NR	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.103	108.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	107.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	00NR	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	107.8	GEN520998 1-MORLND3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.136	107.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	106.9	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	106.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	106.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	00NR	0	14SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.134	105.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	105.8	GEN520997 1-MORLND2
FDNS	00NR	0	19WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.134	103.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL	00NR	0	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.132	102.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	14SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	100.9	GEN520998 1-MORLND3
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	100.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	100.2	MOORELAND - NINE MILE 138KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_019	-	Non-converged Contingency	1195	0.243	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_019	-	Non-converged Contingency	1052	0.074	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_019	-	Non-converged Contingency	1052	0.074	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_019	-	Non-converged Contingency	1793	0.054	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_019	-	Non-converged Contingency	1793	0.054	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_019	-	Non-converged Contingency	1792	0.044	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_019	-	Non-converged Contingency	762.5	0.042	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_019	-	Non-converged Contingency	717	0.042	-	MINGO - RED WILLOW 345KV CKT 1
FDNS	00NR	0	14SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.049	108.4	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	14SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.049	106.5	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.031	101.0	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.031	100.3	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.042	100.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.042	108.3	FPL SWITCH - MOORELAND 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	01NR	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.042	107.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	142.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	134.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.9	GEN520997 1-MORLND2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	125.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	125.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	125.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	124.2	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.7	BASE CASE
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.8	GEN520922 1-SLEEPING BEAR
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	121.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	121.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	120.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	120.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	118.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	118.2	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	117.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	115.8	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	115.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	114.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	114.4	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	113.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.2	GEN514805 1-SOONER UNIT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	112.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	112.0	POTTER COUNTY INTERCHANGE (WAUK 9034-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	111.6	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	111.2	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	110.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	110.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	110.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.1	MINGO - SETAB 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.0	GEN521120 1-BUFFBEAR2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.9	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	109.9	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.8	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	109.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.6	GEN509416 1-TURK GENERATION
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.6	GEN520947 1-HUGO1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.6	GEN542962 2-IATAN UNIT #2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	GEN526334 1-JONES_4 116.500
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.5	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.4	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.3	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	105.2	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.2	GEN560648 1-G07-21 0.5750
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.2	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.0	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.7	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	104.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.0	GEN560175 1-G07-44 0.5750

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.0	GEN560282 1-G08-19 0.6000
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.6	GEN515397 1-OUSPR1 1 34.500
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	100.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.129	137.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	131.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.2	GEN520997 1-MORLND2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	123.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	121.8	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.5	BASE CASE
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.0	GEN520922 1-SLEEPING BEAR
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	119.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	116.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	116.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	116.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	113.9	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	112.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	112.8	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.6	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	112.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	111.6	RENFLOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.4	GEN514805 1-SOONER UNIT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	110.4	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN514806 1-SOONER UNIT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	108.8	RENFLOW4 138.00 - SAND RDG 138/138.00 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.5	MINGO - SETAB 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	108.1	GEN521120 1-BUFFEAR2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	108.0	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	107.9	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.9	GEN509416 1-TURK GENERATION
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.8	GEN520947 1-HUGO1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.8	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	107.8	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.7	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.7	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	00NR	3	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.132	105.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	103.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN542962 2-IATAN UNIT #2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN539670 4-JUDSON LARGE GENERATOR
FNSL	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.3	GEN560648 1-G07-21 0.5750
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.3	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	103.2	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.2	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.0	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	102.8	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	102.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	102.6	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.3	GEN560175 1-G07-44 0.5750
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.3	GEN560282 1-G08-19 0.6000
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.1	GEN640009 1-COOPER NUCLEAR STATION
FNSL	00NR	3	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.129	101.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	100.6	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	100.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	00NR	3	14SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.042	105.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_019	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.042	103.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.266	105.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.197	103.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.051	104.2	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.133	139.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.099	106.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.3	GEN520997 1-MORLND2
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.104	101.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.104	100.9	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	215.2	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	156.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.104	148.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	147.3	GEN520997 1-MORLND2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.104	147.1	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	145.4	BASE CASE
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	145.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	142.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	142.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	142.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	141.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	141.6	GEN520922 1-SLEEPING BEAR
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	141.1	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	137.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	136.7	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	135.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	135.1	IODINE - MOORELAND 138KV CKT 1
FDNS-Blown Up	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	132.9	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	132.4	GEN514805 1-SOONER UNIT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	131.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	131.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	131.6	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	131.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	130.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	130.5	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	130.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	130.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	129.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.6	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.5	MINGO - SETAB 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	129.4	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	STATELINE INTERCHANGE - STLN-DEMAR6 230KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	STLN-DEMAR6 - SWEETWATER 230KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	129.1	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	129.0	GEN509416 1-TURK GENERATION
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.9	GEN521120 1-BUFFBEAR2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.9	GEN520947 1-HUGO1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.8	BENTON - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.8	GEN336821 1-GRAND GULF UNIT
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.8	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.8	MOORELAND (MOORELAND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509406 1-WELSH #3
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509405 1-WELSH #2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509404 1-WELSH #1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	GEN542957 1-IATAN UNIT #1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	124.4	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	GEN515449 1-CRSRDW11 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	124.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	GEN560121 1-G08-47 0.5750
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	BUFFALO - WEST 69KV CKT 1
FDNS-Blown Up	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	GEN659111 2-ELAND OLDS UNIT2
FNSL	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	124.2	WOODWARD - WOODWARD EH7 138KV CKT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN542962 2-IATAN UNIT #2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.1	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN527162 1-MUSTANG GEN #2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN527161 1-MUSTANG GEN #1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN562020 1-G11_021_3 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.8	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.8	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.8	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.7	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	123.7	KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.7	GEN526334 1-JONES_4 116.500
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.6	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	122.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	122.4	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	122.1	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	122.0	GEN560648 1-G07-21 0.5750
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.7	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.1	GEN560175 1-G07-44 0.5750
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.0	GEN560282 1-G08-19 0.6000
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	119.7	GEN515397 1-OUSPRT 1 34.500
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	118.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	118.2	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	117.7	GEN525561 1-TOLK GEN #1 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	117.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.9	BYRON 138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	116.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.8	BYRON 138 138.00 - C CITY 138 138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	115.7	GEN515365 1-CENT 21 34.500
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	115.3	GEN515393 1-OGEWIND2G
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	115.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.2	C_CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	111.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	111.4	GEN562023 1-G11_020_3 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	111.4	GEN562026 1-G11_019_3 0.6900
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	108.4	GEN560429 1-G08-29 0.6400
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	104.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	104.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	102.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.5	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.044	113.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNLS-Blown up	01ALL	2A	14G	G11_019	-	Non-converged Contingency	1792	0.256	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.051	107.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.041	105.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.041	104.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	108.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	105.6	GEN520997 1-MORLND2
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	104.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	103.6	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	100.9	GEN520922 1-SLEEPING BEAR
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	100.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.093	100.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	100.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	160.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	153.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	152.1	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	151.4	GEN520997 1-MORLND2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	150.3	BASE CASE
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	149.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	147.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	146.1	GEN520922 1-SLEEPING BEAR
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	145.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	144.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	144.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	142.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	142.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	142.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	140.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	139.4	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	137.4	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	136.9	GEN514805 1-SOONER UNIT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	135.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	135.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	134.9	GEN514806 1-SOONER UNIT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	134.8	FINNEY SWITCHING STATION - Hitchland interchange 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	134.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.8	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.2	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	134.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	134.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.8	MINGO - SETAB 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	133.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	133.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.3	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.3	GEN509416 1-TURK GENERATION

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.2	GEN520947 1-HUGO1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	133.1	MOORELAND (MOORELAND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.1	GEN521120 1-BUFFBEAR2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.1	GEN336821 1-GRAND GULF UNIT
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	133.0	BENTON - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	133.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN336153 1-WATERFORD UNIT#3
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	133.0	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	GEN560687 1-G11-007 0.5750
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.9	FLATRDOG3 - HARPER 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509406 1-WELSH #3
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509405 1-WELSH #2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN509404 1-WELSH #1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.8	GEN501801 1-DOLET HILLS UNIT1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	132.7	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	132.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.7	GEN542957 1-IATAN UNIT #1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.6	GEN562017 1-G11_022_3 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.5	GEN560121 1-G08-47 0.5750
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.5	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	128.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FNSL	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.4	GEN542962 2-IATAN UNIT #2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN527161 1-MUSTANG GEN #1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN527162 1-MUSTANG GEN #2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN515449 1-CRSRDW11 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN562020 1-G11_021_3 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	128.3	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.3	GEN515450 1-CRSRDW21 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN526334 1-JONES_4 116.500
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.0	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.9	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	127.9	KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	127.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.4	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	127.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	127.0	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	126.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	126.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	125.7	GEN560648 1-G07-21 0.5750
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.8	GEN515397 1-OSPR1 34.500
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.5	GEN560175 1-G07-44 0.5750
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	123.4	GEN560282 1-G08-19 0.6000
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	EL RENO - ROMAN NOSE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	122.4	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	121.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	121.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	121.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	120.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	119.8	GEN515365 1-CENT 21 34.500
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	119.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	119.4	GEN515393 1-OGEWIND2G
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	119.4	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	119.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	118.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.136	116.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	116.0	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	115.1	GEN562023 1-G11_020_3 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	115.1	GEN562026 1-G11_019_3 0.6900
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	112.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	112.4	GEN560429 1-G08-29 0.6400
FDNS	00NR	0	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.132	109.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	108.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.103	108.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	107.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	107.8	GEN520998 1-MORLND3
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.136	107.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	106.9	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	106.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	106.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	00NR	0	14SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.134	105.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	105.8	GEN520997 1-MORLND2
FDNS	00NR	0	19WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.134	103.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNLS	00NR	0	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.132	102.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	14SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	100.9	GEN520998 1-MORLND3
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	100.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	100.2	MOORELAND - NINE MILE 138KV CKT 1
FNLS-Blown up	01ALL	0	14G	G11_020	-	Non-converged Contingency	1195	0.243	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNLS-Blown up	02ALL	0	14G	G11_020	-	Non-converged Contingency	1052	0.074	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNLS-Blown up	02ALL	0	14G	G11_020	-	Non-converged Contingency	1052	0.074	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNLS-Blown up	03ALL	0	14G	G11_020	-	Non-converged Contingency	1793	0.054	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNLS-Blown up	03ALL	0	14G	G11_020	-	Non-converged Contingency	1793	0.054	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNLS-Blown up	03ALL	0	14G	G11_020	-	Non-converged Contingency	1792	0.044	-	AXTELL - POST ROCK 345KV CKT 1
FNLS-Blown up	03ALL	0	14G	G11_020	-	Non-converged Contingency	762.5	0.042	-	MINGO - SETAB 345KV CKT 1
FNLS-Blown up	03ALL	0	14G	G11_020	-	Non-converged Contingency	717	0.042	-	MINGO - RED WILLOW 345KV CKT 1
FDNS	00NR	0	14SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.049	108.4	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	14SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.049	106.5	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.031	101.0	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.031	100.3	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.042	100.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.042	108.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.042	107.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	142.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	134.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.9	GEN520997 1-MORLND2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	125.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	125.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	125.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	124.2	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.7	BASE CASE
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.8	GEN520922 1-SLEEPING BEAR
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	121.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	121.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	120.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	120.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	118.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	118.2	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	117.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.3	GRAPEVINE INTERCHANGE - STATLINE INTERCHANGE 230KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	115.8	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	115.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	114.6	WOODWARD DISTRICT EHV (WWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	114.4	GEN515389 1-TLGAWDN1 34.500
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	113.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.2	GEN514805 1-SOONER UNIT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	112.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	112.0	POTTER COUNTY INTERCHANGE (WALK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	111.6	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	111.2	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	110.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	110.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	110.4	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.1	MINGO - SETAB 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	110.0	GEN521120 1-BUFFBEAR2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.9	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	109.9	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.8	GEN515226 1-MUSKOGEE 66
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	109.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.6	GEN509416 1-TURK GENERATION
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	109.6	GEN520947 1-HUGO1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.6	GEN542962 2-IATAN UNIT #2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.5	GEN526334 1-JONES 4 116.500
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.5	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.4	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.3	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	105.2	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.2	GEN560648 1-G07-21 0.5750
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.2	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	105.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	105.0	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.7	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	104.4	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.0	GEN560175 1-G07-44 0.5750
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.0	GEN560282 1-G08-19 0.6000
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.6	GEN515397 1-OUSPRT 1 34.500
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.7	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	100.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.129	137.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	131.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.2	GEN520997 1-MORLND2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	123.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	122.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	121.8	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.5	BASE CASE
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.0	GEN520922 1-SLEEPING BEAR
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.5	DEWEY - TALOGA 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	119.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	116.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	116.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	116.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	113.9	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	113.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	112.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	112.8	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.6	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	112.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	111.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.4	GEN514805 1-SOONER UNIT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	110.4	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN514806 1-SOONER UNIT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	108.8	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.5	MINGO - SETAB 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	108.1	GEN521120 1-BUFFBEAR2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	108.0	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	107.9	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.9	GEN509416 1-TURK GENERATION
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.8	GEN520947 1-HUGO1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.8	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	107.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.7	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.7	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	107.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	00NR	3	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.132	105.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.6	BUFFALO - WEST 69KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	103.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN542962 2-IATAN UNIT #2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN539670 4-JUDSON LARGE GENERATOR
FNSL	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.3	GEN560648 1-G07-21 0.5750
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.3	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	103.2	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.2	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.1	BUFFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	103.0	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	102.8	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	102.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	102.6	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.3	GEN560175 1-G07-44 0.5750
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.3	GEN560282 1-G08-19 0.6000
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.1	GEN640009 1-COOPER NUCLEAR STATION
FNSL	00NR	3	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.129	101.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	101.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	100.6	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	100.3	GEN659118 1-LARAMIE RIVER UNIT1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%) MVA)	CONTINGENCY
FDNS	00NR	3	14SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.042	105.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_020	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.042	103.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.266	105.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.197	103.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.051	104.2	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.133	139.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.099	106.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.3	GEN520997 1-MORLND2
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.104	101.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.104	100.9	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	215.2	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	156.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.104	148.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	147.3	GEN520997 1-MORLND2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.104	147.1	DEWEY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	145.4	BASE CASE
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	145.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	142.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	142.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	142.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	141.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	141.6	GEN520922 1-SLEEPING BEAR
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	141.1	DEWEY - TALOGA 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	139.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	137.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	136.7	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	136.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	135.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	135.1	IODINE - MOORELAND 138KV CKT 1
FDNS-Blown Up	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	132.9	GEN515389 1-TLGAWND1 34.500
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	132.4	GEN514805 1-SOONER UNIT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	131.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	131.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	131.6	POTTER COUNTY INTERCHANGE (WALUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	131.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	130.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	130.5	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	130.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	130.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	129.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.6	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.5	MINGO - SETAB 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	129.4	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	129.1	GEN515226 1-MUSKOGEE 6G
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	129.0	GEN509416 1-TURK GENERATION
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.9	GEN521120 1-BUFFBEAR2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.9	GEN520947 1-HUGO1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	128.8	BENTON - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.8	GEN336821 1-GRAND GULF UNIT
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.8	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	128.8	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN515223 1-MUSKOGEE 4G
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN515225 1-MUSKOGEE 5G
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	128.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509406 1-WELSH #3
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509405 1-WELSH #2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	128.5	GEN509404 1-WELSH #1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	GEN542957 1-IATAN UNIT #1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	124.4	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	GEN515449 1-CRSRDW11 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	124.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.4	MOREWOOD SW - MORWOOD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	GEN560121 1-G08-47 0.5750
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	BUFFALO - WEST 69KV CKT 1
FDNS-Blown Up	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.3	GEN59111 2-LELAND OLDS UNIT2
FNSL	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN59103 1-ANTELOPE VALLEY UNIT1
FNSL	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN59107 2-ANTELOPE VALLEY UNIT2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	124.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN542962 2-IATAN UNIT #2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	124.1	ROSE HILL - SOONER 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	124.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN645001 1-FORT CALHOUN 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN527162 1-MUSTANG GEN #2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN527161 1-MUSTANG GEN #1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.9	GEN562020 1-G11_021_3 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.8	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.8	DOVER - DOVER SW 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.7	EASTDC - WELSH 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	123.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.7	GEN526334 1-JONES 4 116.500
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.6	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	123.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	123.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	122.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	122.4	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	122.1	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	122.0	GEN560648 1-G07-21 0.5750
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.7	GEN569118 1-LARAMIE RIVER UNIT1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.1	GEN560175 1-G07-44 0.5750
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	120.0	GEN560282 1-G08-19 0.6000
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	119.7	GEN515397 1-OUSPRT 1 34.500
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	118.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560221 1-G07-62-1 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560222 1-G07-62-2 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560223 1-G07-62-3 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	118.5	GEN560224 1-G07-62-4 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	118.2	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	117.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	117.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	116.9	BYRON 138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	116.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.8	BYRON 138 138.00 - C CITY 138 138.00 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	115.7	GEN515365 1-CENT 21 34.500
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	115.3	GEN515393 1-OGEWIND2G
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	115.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	115.2	C CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	114.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	111.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	111.4	GEN562023 1-G11_020_3 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	111.4	GEN562026 1-G11_019_3 0.6900
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	109.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	108.4	GEN560429 1-G08-29 0.6400
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	104.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	104.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	103.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	102.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.5	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.044	113.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G11_020	-	Non-converged Contingency	1792	0.256	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.051	107.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01NR	2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.041	105.9	FPL SWITCH - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	01NR	2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.041	104.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	177.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	173.4	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	171.7	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	163.1	GEN520997 1-MORLND2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	163.1	BASE CASE
FNSL	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	162.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	160.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.5	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	148.7	GEN514805 1-SOONER UNIT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	148.6	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	148.1	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	148.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	147.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.3	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.3	MINGO - SETAB 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	147.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.8	GEN514806 1-SOONER UNIT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	146.8	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	146.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	146.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	145.8	GEN520922 1-SLEEPING BEAR
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	145.0	GEN509416 1-TURK GENERATION
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN336821 1-GRAND GULF UNIT
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN520947 1-HUGO1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.7	GEN515042 1-SEMINOLE 3G
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	144.7	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.6	GEN336153 1-WATERFORD UNIT#3
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	144.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.4	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.4	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	GEN509403 1-PIRKEY GENERATION
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509406 1-WELSH #3
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509405 1-WELSH #2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN509404 1-WELSH #1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.1	GEN335831 1-RIVERBEND UNIT#1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.0	GEN509394 1-FLINT CREEK
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.0	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	143.9	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.6	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.5	GEN542957 1-IATAN UNIT #1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.4	GEN515365 1-CENT 21 34.500
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	GEN515365 1-CENT 21 34.500
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN523122 1-NBLWND-WTG210.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN560584 1-G06-44-2 4.1600
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.3	GEN542962 2-IATAN UNIT #2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN523107 1-NOVUS_WND 14.1600
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN515393 1-OGEWIND2G
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.1	GEN523462 2-BLACKHAWK GEN #2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.0	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.0	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.9	GEN562023 1-G11_020_3 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.9	GEN562026 1-G11_019_3 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.7	GEN527161 1-MUSTANG GEN #1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.7	GEN527162 1-MUSTANG GEN #2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.6	GEN560586 1-G06-44-4 4.1600
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN526334 1-JONES 4 116.500
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	138.0	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	137.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	137.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.4	GEN560429 1-G08-29 0.6400
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	137.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.3	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	137.0	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.5	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.3	GEN560371 1-G07-46 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	136.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	136.1	GEN560256 1-G10-14-1 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	135.9	GEN560257 1-G10-14-2 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	135.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	135.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	135.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	135.4	BYRON 138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	134.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	134.3	BYRON 138 138.00 - C_CITY 138 138.00 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	134.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	134.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	134.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	134.1	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	133.7	C_CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	133.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	133.0	GEN562042 1-G11_014_3 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	132.4	DOVER SW - OKEENE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	131.5	GEN560121 1-G08-47 0.5750
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.9	WOODWARD DISTRICT EHV (WWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	130.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	130.1	GEN562017 1-G11_022_3 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	129.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	129.1	GEN562020 1-G11_021_3 0.6900
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	128.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.5	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.5	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	128.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	127.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	126.9	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	125.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.3	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	122.7	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	122.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	122.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	121.5	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	00NR	0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	116.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	14WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.105	109.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	108.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	107.8	GEN520998 1-MORLND3
FDNS	00NR	0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	107.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	14SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	105.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	105.8	GEN520997 1-MORLND2
FDNS	00NR	0	19WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.108	103.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL	00NR	0	14WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.105	102.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	14SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	100.9	GEN520998 1-MORLND3
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	110.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	110.1	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	107.9	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.033	107.9	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	102.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	101.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.044	100.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_021	-	Non-converged Contingency	1195	0.194	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_021	-	Non-converged Contingency	1792	0.278	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_021	-	Non-converged Contingency	1792	0.278	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	02ALL	0	14G	G11_021	-	Non-converged Contingency	1052	0.206	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_021	-	Non-converged Contingency	1052	0.206	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_021	-	Non-converged Contingency	762.5	0.071	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_021	-	Non-converged Contingency	717	0.066	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_021	-	Non-converged Contingency	1793	0.062	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_021	-	Non-converged Contingency	1793	0.062	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_021	-	Non-converged Contingency	1792	0.046	-	AXTELL - POST ROCK 345KV CKT 1
FDNS	00NR	0	14SP	G11_021	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.044	108.4	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	14SP	G11_021	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.044	106.5	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.032	101.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	108.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	107.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	0	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	104.8	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	0	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.032	103.5	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	111.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	101.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	198.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	181.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	167.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	164.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	162.9	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	158.6	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	157.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	157.0	GEN520997 1-MORLND2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	154.8	BASE CASE
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	153.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	151.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	150.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	150.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	145.2	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	144.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	144.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	142.0	RENFROW4 138.00 - SAND RDG 138/138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	142.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	141.8	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	141.5	GEN514805 1-SOONER UNIT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.5	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	140.2	MINGO - SETAB 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	139.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.4	GEN514806 1-SOONER UNIT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	139.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	139.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.9	MINGO - RED WILLOW 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.5	GEN520922 1-SLEEPING BEAR
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	138.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	138.3	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	138.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.9	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN509416 1-TURK GENERATION
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN520947 1-HUGO1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN515042 1-SEMINOLE 3G
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.6	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.5	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN336821 1-GRAND GULF UNIT
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	137.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.3	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.2	GEN509403 1-PIRKEY GENERATION
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.2	GEN336153 1-WATERFORD UNIT#3
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509406 1-WELSH #3
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509405 1-WELSH #2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN509404 1-WELSH #1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	137.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	137.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.0	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN335831 1-RIVERBEND UNIT#1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.9	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	136.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.8	GEN509394 1-FLINT CREEK
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	136.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	136.7	MULLERGREIN - SPEARVILLE 230KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	136.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.5	SOONER - WOODRING 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	132.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	132.3	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.3	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.2	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN542957 1-IATAN UNIT #1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	GEN515365 1-CENT 21 34.500
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN527162 1-MUSTANG GEN #2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN527161 1-MUSTANG GEN #1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN560586 1-G06-44-4 4.1600
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN569103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN569107 2-ANTELOPE VALLEY UNIT2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.9	GEN542962 2-IATAN UNIT #2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.8	GEN515393 1-OGEWND2G
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN562023 1-G11_020_3 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN562026 1-G11_019_3 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.7	GEN526334 1-JONES 4 116.500
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.6	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.5	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	131.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.9	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.5	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.2	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.1	GEN560429 1-G08-29 0.6400
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.0	GEN560371 1-G07-46 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	129.9	GEN560256 1-G10-14-1 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	129.8	GEN560257 1-G10-14-2 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	129.5	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	128.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	128.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	128.3	ROMAN NOSE - SOUTHDARD 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	127.9	GEN569118 1-LARAMIE RIVER UNIT1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	127.5	BYRON_138 138.00 - C CITY_138 138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	127.4	GEN562042 1-G11_014_3 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	127.3	DEWEY - SOUTHDARD 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	126.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	126.7	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	126.2	GEN560121 1-G08-47 0.5750
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	125.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	125.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	125.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	125.4	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.9	GEN562017 1-G11_022_3 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	124.2	GEN562020 1-G11_021_3 0.6900
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	124.2	WOODWARD DISTRICT EHV (WWDEHV-2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	121.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	121.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.1	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	116.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	115.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	115.4	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	105.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	104.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02NR	2	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	102.0	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	2	14G	G11_021	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.030	100.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02NR	3	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	101.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	181.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	146.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	142.2	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.3	GEN520997 1-MORLND2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	139.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	138.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.1	BASE CASE
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	133.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	133.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	132.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	130.4	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	126.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	126.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	126.5	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.6	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.8	GEN514805 1-SOONER UNIT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	122.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	121.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	121.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.1	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	121.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.0	MINGO - SETAB 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (%)	CONTINGENCY
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.7	GEN514806 1-SOONER UNIT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.6	GEN520922 1-SLEEPING BEAR
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	119.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.1	GEN515226 1-MUSKOGEE 6G
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.1	GEN509416 1-TURK GENERATION
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.0	GEN520947 1-HUGO1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.0	GEN515042 1-SEMINOLE 3G
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.9	BENTON - WICHITA 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	GEN515225 1-MUSKOGEE 5G
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	GEN515223 1-MUSKOGEE 4G
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.6	GEN542957 1-ATAN UNIT #1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.5	DOVER - DOVER SW 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.5	EASTDC - WELSH 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN560586 1-G06-44-4 4.1600
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN542962 2-ATAN UNIT #2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN515365 1-CENT 21 34.500
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.2	GEN562023 1-G11_020 3 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.2	GEN562026 1-G11_019 3 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN560585 1-G06-44-3 4.1600
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN515393 1-OGEWIND2G
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN645001 1-FORT CALHOUN 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN526334 1-JONES 4 116.500
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	114.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.6	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	113.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.5	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	113.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.4	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.2	GEN645012 2-NEBRASKA CITY 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.7	GEN560286 1-G10-01-1WGT 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.7	GEN560287 1-G10-01-2WGT 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.6	GEN560371 1-G07-46 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.5	GEN560429 1-G08-29 0.6400
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.4	GEN560256 1-G10-14-1 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.3	GEN560257 1-G10-14-2 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	111.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.4	BYRON 138 138.00 - SANDY CN 138138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.7	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.2	GEN562042 1-G11_014 3 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.2	BYRON 138 138.00 - C CITY 138 138.00 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.7	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.6	C CITY 138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.2	GEN560121 1-G08-47 0.5750
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.7	GEN531447 1-HOLCOMB GENERATOR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.4	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.1	GEN562017 1-G11_022_3 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	107.4	GEN562020 1-G11_021_3 0.6900
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	107.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	105.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	00NR	3	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.100	105.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	105.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	103.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	103.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	102.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FNSL	00NR	3	14WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.097	101.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.1	CEDARDALE - OKEENE 138KV CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	111.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	111.0	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	108.7	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.030	108.7	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	103.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	102.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	100.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	100.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	14SP	G11_021	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	105.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	00NR	3	14SP	G11_021	FROM->TO	NORTHWEST (NORTWST2) 345/138/13.8KV TRANSFORMER CKT 1	493	0.038	103.2	NORTHWEST (NORTWST3) 345/138/13.8KV TRANSFORMER CKT 1
FNSL-Blown up	01ALL	2A	14G	G11_021	-	Non-converged Contingency	1792	0.204	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	0	14G	G11_022	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.056	109.6	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	00NR	0	24SP	G11_022	TO->FROM	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	96	0.051	105.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02NR	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	148.6	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	148.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	147.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	146.8	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	0	19SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	14WP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.031	109.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	107.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	14SP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL	00NR	0	14WP	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.031	102.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.120	110.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.120	110.1	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.120	107.9	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.120	107.9	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.158	102.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.158	101.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.106	101.0	MOORE COUNTY INTERCHANGE (ENRCO 136402) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.158	100.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_022	-	Non-converged Contingency	1195	0.180	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_022	-	Non-converged Contingency	1792	0.244	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_022	-	Non-converged Contingency	1792	0.244	-	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FNSL-Blown up	02ALL	0	14G	G11_022	-	Non-converged Contingency	1052	0.244	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_022	-	Non-converged Contingency	1052	0.244	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_022	-	Non-converged Contingency	762.5	0.079	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_022	-	Non-converged Contingency	717	0.073	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_022	-	Non-converged Contingency	1793	0.065	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_022	-	Non-converged Contingency	1793	0.065	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_022	-	Non-converged Contingency	1792	0.047	-	AXTELL - POST ROCK 345KV CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1	185	0.069	109.5	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	0	24SP	G11_022	FROM->TO	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1	185	0.069	106.8	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	0	24SP	G11_022	FROM->TO	TUCO INTERCHANGE (GE M102345) 230/115/13.2KV TRANSFORMER CKT 1	252	0.040	107.0	TUCO INTERCHANGE (ENRCO 136401) 230/115/13.2KV TRANSFORMER CKT 2
FDNS	00NR	0	24SP	G11_022	FROM->TO	TUCO INTERCHANGE (GE M102345) 230/115/13.2KV TRANSFORMER CKT 1	252	0.040	104.0	TUCO INTERCHANGE (ENRCO 136401) 230/115/13.2KV TRANSFORMER CKT 2
FDNS	02NR	2	14G	G11_022	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.055	109.1	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02NR	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_022	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.055	108.4	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	00NR	3	24SP	G11_022	TO->FROM	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	96	0.050	105.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	00NR	3	24SP	G11_022	TO->FROM	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	96	0.050	100.0	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1
FDNS	02NR	3	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02NR	3	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02NR	3	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02NR	3	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.119	111.3	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.119	111.0	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.119	108.7	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.119	108.7	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.156	103.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.156	102.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.105	101.9	MOORE COUNTY INTERCHANGE (ENRCO 136402) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.156	100.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.105	100.3	MOORE COUNTY INTERCHANGE (ENRCO 136402) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.156	100.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1	185	0.069	110.0	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1	185	0.069	107.3	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00NR	3	24SP	G11_022	FROM->TO	TUCO INTERCHANGE (GE M102345) 230/115/13.2KV TRANSFORMER CKT 1	252	0.040	106.9	TUCO INTERCHANGE (ENRCO 136401) 230/115/13.2KV TRANSFORMER CKT 2
FDNS	00NR	3	24SP	G11_022	FROM->TO	TUCO INTERCHANGE (GE M102345) 230/115/13.2KV TRANSFORMER CKT 1	252	0.040	103.9	TUCO INTERCHANGE (ENRCO 136401) 230/115/13.2KV TRANSFORMER CKT 2
FNSL-Blown up	01ALL	2A	14G	G11_022	-	Non-converged Contingency	1792	0.189	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	01ALL	0	14G	G11_025	-	Non-converged Contingency	1195	0.117	-	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_025	-	Non-converged Contingency	1052	0.125	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	02ALL	0	14G	G11_025	-	Non-converged Contingency	1052	0.125	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_025	-	Non-converged Contingency	762.5	0.047	-	MINGO - SETAB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_025	-	Non-converged Contingency	1793	0.046	-	G11-17T 345.00 - POST ROCK 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_025	-	Non-converged Contingency	1793	0.046	-	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_025	-	Non-converged Contingency	717	0.044	-	MINGO - RED WILLOW 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_025	-	Non-converged Contingency	1792	0.036	-	AXTELL - POST ROCK 345KV CKT 1
FNSL-Blown up	01ALL	2A	14G	G11_025	-	Non-converged Contingency	1792	0.121	-	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	19SP	G11_027	TO->FROM	BATTLE CREEK - NORTH NORFOLK 115KV CKT 1	120	0.032	114.2	BLOOMFIELD - GAVINS POINT 115KV CKT 1
FDNS	00NR	0	19SP	G11_027	TO->FROM	BATTLE CREEK - NORTH NORFOLK 115KV CKT 1	120	0.032	111.7	BLOOMFIELD - CREIGHTON 115KV CKT 1
FDNS	00NR	0	19SP	G11_027	TO->FROM	BATTLE CREEK - NORTH NORFOLK 115KV CKT 1	120	0.030	111.7	FT RANDAL - SPENCER 115KV CKT 1
FDNS	00NR	0	19SP	G11_027	TO->FROM	BATTLE CREEK - NORTH NORFOLK 115KV CKT 1	120	0.030	109.2	ONEILL - SPENCER 115KV CKT 1
FDNS	00G11_027	0	24SP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.9	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	19SP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.8	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	14G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.8	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	14SP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.7	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	19WP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.6	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	14WP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.5	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	09NR	0	14G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	124.5	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	9	0	14G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	113.8	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1
FDNS	00G11_027	0	24SP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	0.481	102.9	HOSKINS - RAUN 345KV CKT 1
FDNS	00G11_027	0	19SP	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	0.481	100.2	HOSKINS - RAUN 345KV CKT 1
FDNS	00G11_027	0	24SP	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.6	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	00G11_027	0	19SP	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.6	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	00G11_027	0	14SP	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.5	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	00G11_027	0	19WP	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.4	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	00G11_027	0	14WP	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.4	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	09G11_027	0	14G	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.3	G10-51T 230.00 - HOSKINS 230KV CKT 1
FDNS	00NR	0	19SP	G11_027	FROM->TO	HOSKINS (HOSKINS T1) 230/115/13.8KV TRANSFORMER CKT 1	187	0.106	103.5	HOSKINS (HOSKIN T4) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	00NR	0	19SP	G11_027	FROM->TO	HOSKINS (HOSKINS T1) 230/115/13.8KV TRANSFORMER CKT 1	187	0.106	101.7	HOSKINS (HOSKIN T4) 345/115/13.8KV TRANSFORMER CKT 1
FNSL-Blown up	0	0	14SP	G11_027	-	Non-converged Contingency	2165	0.033	-	SHOLDN BTM% 500.00 - INDEPENDENCE 500KV CKT 1
FNSL-Blown up	00G11_027	0	14SP	G11_027	-	Non-converged Contingency	2165	0.033	-	SHOLDN BTM% 500.00 - INDEPENDENCE 500KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_027	-	Non-converged Contingency	1052	0.078	-	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_027	-	Non-converged Contingency	1052	0.078	-	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FNSL-Blown up	03ALL	0	14G	G11_027	-	Non-converged Contingency	1793	0.034	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL-Blown up	03ALL		014G	G11_027	-	Non-converged Contingency	1793	0.034	-	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2

**H: Power Flow Analysis (Other Constraints Not Requiring Mitigation)**

Available upon request

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	108.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.223	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	106.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	102.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.075	100.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.077	100.8	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.038	108.5	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.040	101.5	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.039	100.6	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	121.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.040	114.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	113.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	110.9	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	110.3	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	105.7	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	105.6	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	104.9	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.040	103.7	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	102.6	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.038	116.7	DBL-WICH-THI
FDNS	3	0	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.035	122.6	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.035	115.0	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.035	112.0	DBL-WICH-THI
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.035	101.0	DBL-WICH-THI
FDNS	2	0	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.035	100.9	DBL-WICH-THI
FDNS	3	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	225.1	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	211.9	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	206.5	DBL-WICH-THI
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	187.5	DBL-WICH-THI
FDNS	2	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	187.4	DBL-WICH-THI
FDNS	1	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	181.9	DBL-WICH-THI
FDNS	04ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	143.3	DBL-WICH-THI
FDNS	06ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	132.8	DBL-WICH-THI
FDNS	6	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	127.1	DBL-WICH-THI
FDNS	09ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	117.0	DBL-WICH-THI
FDNS	9	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	112.6	DBL-WICH-THI
FDNS	13	0	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	112.3	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	160	0.045	100.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.047	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.047	112.0	DBL-WICH-THI
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.047	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	140.2	DBL-WICH-THI
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	118.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	116.1	BASE CASE
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	111.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN539670 4-JUDSON LARGE GENERATOR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.6	DBL-WICH-THI
FDNS	2	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	105.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	105.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	104.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	103.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	103.5	GEN515397 1-OUSPR1 34.500
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	103.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	103.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	103.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.7	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.7	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.7	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.7	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.2	GEN520997 1-MORLND2
FDNS	3	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	101.9	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.8	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	100.9	GEN515365 1-CENT 21 34.500
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	100.7	GEN515393 1-OGEWND2G
FDNS	1	0	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	203.2	DBL-WICH-THI
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	202.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	198.0	IODINE - WOODWARD EHV 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	189.9	DBL-WICH-THI
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	189.9	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	188.1	BASE CASE
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	184.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	180.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	171.0	BASE CASE
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	169.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.3	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	163.2	DBL-IRON-CLR
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	162.6	DBL-THIS-CLR
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	162.4	FT SUPPLY - IODINE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.9	GEN520997 1-MORLND2	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.4	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	161.2	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN542962 2-IATAN UNIT #2	
FNSL	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	161.1	DOVER - DOVER SW 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.1	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN515393 1-OGEWND2G	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.0	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN645001 1-FORT CALHOUN 1	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	160.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.5	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.5	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.2	GEN523122 1-NBLWND-WTG210.6900	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN523121 1-NBLWND-WTG110.6900	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.0	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.8	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.6	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.1	GEN560586 1-G06-44-4 4.1600	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.0	BASE CASE	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.7	GEN560585 1-G06-44-3 4.1600	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN520997 1-MORLND2	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	157.1	GEN515389 1-TLGAWND1 34.500	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.0	GEN659118 1-LARAMIE RIVER UNIT1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.2	GEN520997 1-MORLND2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.2	BASE CASE
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.1	BASE CASE
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	GEN560287 1-G10-01-2WTG 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.7	GEN560371 1-G07-46 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.4	GEN560256 1-G10-14-1 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN560257 1-G10-14-2 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	154.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	154.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.6	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.6	MINGO - SETAB 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.6	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.4	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.4	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.4	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.9	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.8	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.8	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.8	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.7	GEN509394 1-FLINT CREEK
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.7	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.2	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN562020 1-G11_021_3 0.6900
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.7	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GEN562020 1-G11_021_3 0.6900
FNSL	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.0	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.7	DEWEY - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.6	BASE CASE
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.9	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.5	GEN560648 1-G07-21 0.5750
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.6	MINGO - SETAB 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.2	GEN515397 1-OU SPR1 34.500
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.2	GEN520922 1-SLEEPING BEAR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.8	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.7	GEN520922 1-SLEEPING BEAR
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	GEN560175 1-G07-44 0.5750
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.4	GEN560282 1-G08-19 0.6000
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.4	MINGO - RED WILLOW 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.4	GEN520997 1-MORLND2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.2	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.0	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.0	HOLCOMB - SETAB 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.8	GEN515042 1-SEMINOLE 3G
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.7	GEN515042 1-SEMINOLE 3G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.7	GEN509416 1-TURK GENERATION
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN509416 1-TURK GENERATION
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN520947 1-HUGO1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.4	GEN560224 1-G07-62-4 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN336821 1-GRAND GULF UNIT
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN336821 1-GRAND GULF UNIT
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509403 1-PIRKEY GENERATION
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN336153 1-WATERFORD UNIT#3
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509406 1-WELSH #3
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509405 1-WELSH #2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509404 1-WELSH #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509406 1-WELSH #3
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509405 1-WELSH #2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509404 1-WELSH #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN515041 1-SEMINOLE 2G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN511840 1-NORTHEASTERN STATION #3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN515041 1-SEMINOLE 2G	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.0	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.9	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.9	GEN509394 1-FLINT CREEK	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.9	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.9	GEN509394 1-FLINT CREEK	
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.9	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	137.8	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.1	GEN560221 1-G07-62-1 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.1	GEN560222 1-G07-62-2 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.1	GEN560223 1-G07-62-3 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.1	GEN560224 1-G07-62-4 0.6900	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.0	GEN531208 1-FLTRDG-WG1 0.6000	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.0	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.9	GEN560267 1-G10-15-1 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.9	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.9	GEN539762 1-SSWIND 1 34.500	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	GEN560268 1-G10-15-2 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	GEN539785 1-ENSGW 1 0.5750	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	GEN523461 1-BLACKHAWK GEN #1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.6	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.5	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.5	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.5	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	GEN515393 1-OGEWND2G	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.4	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	GEN645001 1-FORT CALHOUN 1	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.3	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.2	GEN526334 1-JONES_4 116.500	
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.0	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.8	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.8	GEN542902 1-GPW_G1 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.8	GEN560695 1-G11-008-3 0.6900	
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	134.7	GEN515393 1-OGEWND2G	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.7	GEN560514 1-G04_014 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.6	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.5	GEN645012 2-NEBRASKA CITY 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.3	GEN539807 1-G05-12 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.3	DBL-THIS-CLR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.3	GEN560238 1-G10-09 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.7	GEN560659 1-G07-38 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.7	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.7	GEN560432 1-G08-124 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	GEN560429 1-G08-29 0.6400
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN531503 1-CIMRRN 1 34.500
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN560693 1-G11-008-1 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN542957 1-IATAN UNIT #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN542957 1-IATAN UNIT #1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN523121 1-NBLWND-WTG110.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN515365 1-CENT 21 34.500
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523123 1-NBLWND-WTG310.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN515365 1-CENT 21 34.500
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN542962 2-IATAN UNIT #2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	GEN542962 2-IATAN UNIT #2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	GEN515393 1-OGEWND2G
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.0	GEN562026 1-G11_019_3 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	GEN515393 1-OGEWND2G
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	EASTDC - WELSH 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	04ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	EASTDC - WELSH 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	BASE CASE
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562023 1-G11_020_3 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562023 1-G11_020_3 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562026 1-G11_019_3 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527162 1-MUSTANG GEN #2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527161 1-MUSTANG GEN #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527161 1-MUSTANG GEN #1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527162 1-MUSTANG GEN #2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.7	GEN560586 1-G06-44-4 4.1600
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.7	GEN560586 1-G06-44-4 4.1600
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN526334 1-JONES_4 116.500
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.1	GEN523117 1-BUFF_DUNES210.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN562032 1-G11_017_3 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.6	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.2	GEN560429 1-G08-29 0.6400
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	GEN560371 1-G07-46 0.6900
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	GEN560371 1-G07-46 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	GEN560256 1-G10-14-1 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.4	GEN560257 1-G10-14-2 0.6900
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.3	GEN560257 1-G10-14-2 0.6900
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.4	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	129.4	GEN514806 1-SOONER UNIT 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.2	GEN562042 1-G11_014_3 0.6900
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.2	GEN562042 1-G11_014_3 0.6900
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.5	GEN515226 1-MUSKOGEE 6G
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.4	GEN509416 1-TURK GENERATION
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN520947 1-HUGO1
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN336821 1-GRAND GULF UNIT
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN521120 1-BUFBEAR2
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN515223 1-MUSKOGEE 4G
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.1	GEN515225 1-MUSKOGEE 5G
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.1	GEN509403 1-PIRKEY GENERATION
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.1	GEN562017 1-G11_022_3 0.6900
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN562017 1-G11_022_3 0.6900
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN509406 1-WELSH #3
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN509405 1-WELSH #2
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN509404 1-WELSH #1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.3	GEN562020 1-G11_021_3 0.6900
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.3	GEN560121 1-G08-47 0.5750
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.2	GEN562020 1-G11_021_3 0.6900
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.7	GEN560429 1-G08-29 0.6400
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	GEN525561 1-TOLK GEN #1 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.9	DBL-WICH-THI
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	4	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	GEN542957 1-IATAN UNIT #1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	GEN560121 1-G08-47 0.5750
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	GEN542962 2-IATAN UNIT #2
FNSL	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	GEN527162 1-MUSTANG GEN #2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	GEN527161 1-MUSTANG GEN #1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	EASTDC - WELSH 345KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN514805 1-SOONER UNIT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.3	GEN526334 1-JONES_4 116.500
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.3	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	121.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ASGI_11_002	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	121.1	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.3	MINGO - SETAB 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.2	GEN514806 1-SOONER UNIT 2
FDNS	1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.2	GEN560648 1-G07-21 0.5750
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.6	GEN520922 1-SLEEPING BEAR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN515226 1-MUSKOGEE 6G
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN509416 1-TURK GENERATION
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	GEN515397 1-OU SPRT 1 34.500
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN336821 1-GRAND GULF UNIT
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN520947 1-HUGO1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN336153 1-WATERFORD UNIT#3
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN515225 1-MUSKOGEE 5G
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN515223 1-MUSKOGEE 4G
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	GEN560175 1-G07-44 0.5750
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.0	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.9	GEN560282 1-G08-19 0.6000
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509406 1-WELSH #3
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509405 1-WELSH #2
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509404 1-WELSH #1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN515042 1-SEMINOLE 3G
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.9	GEN560224 1-G07-62-4 0.6900
FDNS		03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		03ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		04ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		6	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		04ALL	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.3	GEN515365 1-CENT 21 34.500
FDNS		4	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.2	DBL-WICH-THI
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	113.8	GEN515393 1-OGEWIND2G
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560221 1-G07-62-1 0.6900
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560222 1-G07-62-2 0.6900
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560223 1-G07-62-3 0.6900
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN562017 1-G11_022_3 0.6900



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.8	DBL-IRON-CLR
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	107.3	DEWEY - IODINE 138KV CKT 1
FDNS		1	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.9	GEN560429 1-G08-29 0.6400
FDNS	06ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.7	GEN520997 1-MORLND2
FDNS		4	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.6	GEN520997 1-MORLND2
FDNS		4	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	105.1	DBL-WICH-THI
FDNS		4	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		6	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	102.4	GEN520997 1-MORLND2
FDNS	09ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	102.2	DBL-WICH-THI
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	06ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		4	0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.4	BASE CASE
FDNS	04ALL		0 14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	0 14G	ASGI_11_002	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.059	111.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	0 14G	ASGI_11_002	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.059	100.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	0 14G	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.038	105.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	0 14G	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.038	104.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	00ASGI_11_002		0 14SP	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.031	102.1	KINGSMILL INTERCHANGE - LLANO ESTACADO WIND GEN 115KV CKT 1
FDNS		0	0 14SP	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.031	101.4	KINGSMILL INTERCHANGE - LLANO ESTACADO WIND GEN 115KV CKT 1
FDNS	00ASGI_11_002		0 14SP	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.031	100.2	KINGSMILL INTERCHANGE - LLANO ESTACADO WIND GEN 115KV CKT 1
FDNS		3	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	235.7	DBL-WICH-THI
FDNS	02ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	224.6	DBL-WICH-THI
FDNS	01ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	217.1	DBL-WICH-THI
FDNS	02ASGI_11_002		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	198.0	DBL-WICH-THI
FDNS		2	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	197.9	DBL-WICH-THI
FDNS		1	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	192.5	DBL-WICH-THI
FDNS	04ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	153.8	DBL-WICH-THI
FDNS	06ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	143.4	DBL-WICH-THI
FDNS		6	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	137.7	DBL-WICH-THI
FDNS	09ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	127.6	DBL-WICH-THI
FDNS		9	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	124.4	DBL-WICH-THI
FDNS	13ALL		0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	123.2	DBL-WICH-THI
FDNS		13	0 14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	122.9	DBL-WICH-THI
FDNS		02ALL	0 14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	124.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ASGI_11_002		0 14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	109.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	0 14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	109.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	0 14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	124.9	DBL-WICH-THI
FDNS		3	0 14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.189	118.5	DBL-WICH-THI
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.162	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.162	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.077	103.2	DBL-HTCH-BVR
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.133	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.133	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.180	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.155	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		0 14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.155	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	ASGI_11_002	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.150	100.0	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	3	0	14G	ASGI_11_002	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.033	108.8	DBL-WICH-THI	
FDNS	04ALL	0	14G	ASGI_11_002	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.033	108.0	DBL-WICH-THI	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.043	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.039	109.5	DBL-WICH-THI	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.043	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.034	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	BOWERS INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.037	103.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.300	182.4	DBL-BVR-WWRD	
FDNS	2	2	14G	ASGI_11_002	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.300	182.3	DBL-BVR-WWRD	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.182	116.4	DBL-HTCH-BVR	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	105.6	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.073	103.4	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	101.4	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.038	107.4	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.038	103.5	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.039	100.9	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	120.1	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	116.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	113.5	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	109.6	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1	
FDNS	1	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	109.3	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	106.8	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	105.8	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	105.1	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	105.1	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.039	103.0	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.043	111.1	DBL-WICH-THI	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.035	102.2	DBL-BVR-WWRD	
FDNS	3	2	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.036	121.6	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.036	116.3	DBL-WICH-THI	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.036	101.7	DBL-WICH-THI	
FDNS	2	2	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.036	101.7	DBL-WICH-THI	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.036	223.3	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.036	214.2	DBL-WICH-THI	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.036	188.8	DBL-WICH-THI	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.036	188.6	DBL-WICH-THI	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	180.9	DBL-WICH-THI	
FDNS	1	2	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	160.2	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.045	109.7	DBL-WICH-THI	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	101.6	DBL-WICH-THI	
FDNS	1	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	135.1	DBL-TGA-MATT	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	119.9	DBL-WICH-THI	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	116.8	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	105.0	DBL-WICH-THI	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	103.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	103.4	DBL-WICH-THI	
FDNS	2	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	103.4	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	103.0	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.5	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.5	DEWEY - IODINE 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	100.3	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	100.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	217.7	DBL-WICH-THI	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	207.0	DBL-TGA-MATT	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	186.8	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	185.7	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	184.1	DEWEY - IODINE 138KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	183.8	DBL-WICH-THI	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	183.7	DBL-WICH-THI	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	177.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	176.2	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	174.6	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	162.3	DBL-WICH-THI	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.2	DEWEY - IODINE 138KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.2	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	IODINE - WOODWARD EH 138KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	144.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	144.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.5	IODINE - WOODWARD EH 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	139.5	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	138.7	DBL-WICH-THI
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	114.9	MOORELAND - NINE MILE 138KV CKT 1
FDNS	2	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	1	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.090	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.058	105.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.038	102.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	GRAY COUNTY INTERCHANGE (WH RHP17221) 115/69/13.2KV TRANSFORMER CKT 1	84	0.038	102.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.036	233.9	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.036	226.9	DBL-WICH-THI
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.036	199.2	DBL-WICH-THI
FDNS	2	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.036	199.1	DBL-WICH-THI
FDNS	01ALL	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.032	191.5	DBL-WICH-THI
FDNS	1	2	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.032	170.8	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.037	118.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ASGI_11_002	2	14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	106.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	ASGI_11_002	FROM->TO	KINGSMILL INTERCHANGE - MCCULLOUGH SUB 69KV CKT 1	88	0.038	106.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	141.6	DBL-THIS-CLR
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	125.7	DBL-SPRVL-CL
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	118.9	DBL-WICH-THI
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	118.3	DBL-IRON-CLR
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	116.7	DBL-BVR-WWRD
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.030	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.030	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	116.0	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	102.2	DBL-SPRVL-CL
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	100.9	DBL-WICH-THI
FDNS	3	2	14G	ASGI_11_002	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.037	104.2	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_002	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	106.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.074	102.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	96	0.038	108.3	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	121.0	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	110.7	BUFFALO 230.00 - BUSHLAND INTERCHANGE 230KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	CANYON EAST SUB - OSAGE SWITCHING STATION 115KV CKT 1	96	0.038	110.2	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.098	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.034	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.034	201.2	DBL-WICH-THI
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.046	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.1	DBL-WICH-THI
FDNS	1	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	115.5	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.0	BASE CASE
FDNS	1	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	111.3	SPP-SWPS-03
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	3TERM7
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNLS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	EASTDC - WELSH 345KV CKT 1
FNLS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNLS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.0	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.7	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	ASGI_11_002	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	164.9	BASE CASE
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	162.5	DEWEY - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	160.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.4	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.9	GEN520997 1-MORLND2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	IODINE - MOORELAND 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	153.5	SPP-SWPS-03	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.9	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	149.8	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.3	GEN514805 1-SOONER UNIT 1	
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.1	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.9	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN521120 1-BUFBEAR2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	SPP-MKEC-08	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.1	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.7	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN509416 1-TURK GENERATION	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN520947 1-HUGO1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.4	STATELINE INTERCHANGE - STLIN-DEMAR6 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	3TERM7	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	BRANTLEY - DURHAM 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	FREEDOM - WEST 69KV CKT 1	
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN520997 1-MORLND2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	BUFFALO - WEST 69KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	BRANTLEY - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	GEN526334 1-JONES_4 116.500	
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	EASTDC - WELSH 345KV CKT 1	
FNLS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	GEN659111 2-LELAND OLDS UNIT2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN542962 2-IATAN UNIT #2
FNSL	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.1	GEN523652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.0	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.5	BASE CASE
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GEN515397 1-OUSPR1 1 34.500
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.3	SPP-SWPS-03
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.6	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.2	GEN515365 1-CENT 21 34.500
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.6	GEN515393 1-OGEWND2G
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.2	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.2	GEN562026 1-G11_019_3 0.6900
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	128.0	SPP-SWPS-02A
FDNS	01ALL	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	GEN515389 1-TLGAWND1 34.500
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.7	GEN514805 1-SOONER UNIT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.4	GEN514806 1-SOONER UNIT 2
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	124.1	SPP-SWPS-05
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	123.0	SPP-AEPW-32
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	GEN515226 1-MUSKOGEE 6G
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	SPP-MKEC-08
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.9	SPP-SWPS-02
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN501801 1-DOLETT HILLS UNIT1
FDNS	01ALL		2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN560429 1-G08-29 0.6400
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	3TERM7
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN560121 1-G08-47 0.5750
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN542957 1-IATAN UNIT #1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN527162 1-MUSTANG GEN #2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN527161 1-MUSTANG GEN #1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN562020 1-G11_021_3 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	EASTDC - WELSH 345KV CKT 1
FNSL		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN526334 1-JONES_4 116.500
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN542962 2-IATAN UNIT #2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN645001 1-FORT CALHOUN 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN560648 1-G07-21 0.5750
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.1	GEN515397 1-OU SPRT 1 34.500
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	ASGI_11_002	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	102.8	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.034	211.7	DBL-WICH-THI
FDNS		1	2A	14G	ASGI_11_002	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	187.9	DBL-WICH-THI
FDNS	00ASGI_11_003		0	24SP	ASGI_11_003	TO->FROM	ALLEN SUB - LUBBOCK SOUTH INTERCHANGE 115KV CKT 1	160	0.090	100.7	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1
FDNS		0	0	24SP	ASGI_11_003	TO->FROM	ALLEN SUB - LUBBOCK SOUTH INTERCHANGE 115KV CKT 1	160	0.090	100.2	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1
FDNS	00ASGI_11_003		0	14SP	ASGI_11_003	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.047	100.9	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1
FDNS		0	0	14SP	ASGI_11_003	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.047	100.7	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.105	103.2	DBL-HTCH-BVR
FDNS	01ALL		0	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	116.3	DBL-WICH-THI
FDNS	02ALL		0	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	112.0	DBL-WICH-THI
FDNS		1	0	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	100.3	DBL-WICH-THI
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	140.2	DBL-WICH-THI
FDNS		1	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	123.5	DBL-WICH-THI
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS		1	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	116.8	DBL-WICH-THI
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	106.6	DBL-WICH-THI	
FDNS	1	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	101.9	DBL-WICH-THI	
FDNS	01ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	203.2	DBL-WICH-THI	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	189.9	DBL-WICH-THI	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	187.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	181.0	DBL-WICH-THI	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	174.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	173.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	171.3	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.1	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.3	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.5	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.3	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.5	DEWEY - IODINE 138KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.2	MINGO - SETAB 345KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.7	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	123.9	DBL-WICH-THI
FDNS	4	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	2	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ASGI_11_003	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	6	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	06ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	113.1	DBL-WICH-THI
FDNS	09ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	9	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	107.3	DEWEY - IODINE 138KV CKT 1
FDNS	4	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ASGI_11_003	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.1	DBL-WICH-THI
FDNS	6	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.1	DBL-WICH-THI
FDNS	4	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	09ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	102.2	DBL-WICH-THI
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	06ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	4	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL	0	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.031	111.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_003	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.031	100.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	0	14G	ASGI_11_003	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.031	124.9	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.154	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.134	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.134	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.089	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.072	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.072	100.7	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.197	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.125	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.125	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	ASGI_11_003	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.121	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.035	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.031	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.146	182.3	DBL-BVR-WWRD

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.109	116.4	DBL-HTCH-BVR
FDNS	3	2	14G	ASGI_11_003	TO->FROM	CIRCLE - MULLERGREY 230KV CKT 1	318.7	0.033	111.1	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.040	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.038	101.6	DBL-WICH-THI
FDNS	1	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	105.0	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	217.7	DBL-WICH-THI
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	186.8	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	183.7	DBL-WICH-THI
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	162.3	DBL-WICH-THI
FDNS	3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.7	DBL-WICH-THI
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		01ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.086	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		02ALL	2	14G	ASGI_11_003	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.030	105.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	118.9	DBL-WICH-THI
FDNS		3	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	100.9	DBL-WICH-THI
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.031	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		02ALL	2	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	105.9	DBL-WICH-THI
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	ASGI_11_003	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.030	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		01ALL	2A	14G	ASGI_11_003	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.056	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	112.7	DBL-WICH-THI
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	135.1	DBL-WICH-THI
FDNS		1	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	116.6	DEWEY - IODINE 138KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	112.7	DBL-WICH-THI
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.3	SPP-SWPS-03
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	109.5	SPP-SWPS-02A

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.6	SPP-SWPS-05	
FDNS	01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	106.8	SPP-AEPW-32	
FDNS	01ALL	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	194.2	DBL-WICH-THI	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.7	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	166.7	DBL-WICH-THI	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	165.0	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.5	SPP-SWPS-03	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	149.8	SPP-SWPS-02A	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.3	SPP-SWPS-03	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	128.0	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	SPP-SWPS-05	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.0	SPP-AEPW-32	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.9	SPP-SWPS-02	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	110.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	ASGI_11_003	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	0	0	14SP	G10_020	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.053	100.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	00G10_020	0	14SP	G10_020	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.053	100.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.132	103.2	DBL-HTCH-BVR	
FDNS	3	0	14G	G10_020	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.031	116.7	DBL-WICH-THI	
FDNS	3	0	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	122.6	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.030	115.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	112.0	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	100.9	DBL-WICH-THI
FDNS		3	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	225.1	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	211.9	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	206.5	DBL-WICH-THI	
FDNS		2	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	187.4	DBL-WICH-THI
FDNS		1	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	181.9	DBL-WICH-THI
FDNS	04ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	143.3	DBL-WICH-THI	
FDNS	06ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	132.8	DBL-WICH-THI	
FDNS	06G10_020	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	127.3	DBL-WICH-THI	
FDNS		6	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	127.1	DBL-WICH-THI
FDNS	09ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	117.0	DBL-WICH-THI	
FDNS		9	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	112.6	DBL-WICH-THI	
FDNS		13	0	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	112.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_020	FROM->TO	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	160	0.034	100.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	06ALL	0	14G	G10_020	FROM->TO	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	160	0.030	101.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	06G10_020	0	14G	G10_020	FROM->TO	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	160	0.030	100.3	AXTELL - POST ROCK 345KV CKT 1	
FDNS		6	0	14G	G10_020	FROM->TO	CUNNINGHAM STATION - MADDOX STATION 115KV CKT 1	160	0.030	100.3	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	116.3	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	112.0	DBL-WICH-THI	
FDNS		1	0	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	140.2	DBL-WICH-THI	
FDNS		1	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	130.5	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	126.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	123.5	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	121.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	120.8	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.1	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	
FDNS		1	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	03ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	115.4	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	114.5	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.2	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.0	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	113.4	MINGO - SETAB 345KV CKT 1	
FDNS		2	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	112.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	111.6	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.6	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.3	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	109.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	109.6	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	109.5	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.8	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.2	AXTELL - POST ROCK 345KV CKT 1	
FDNS		2	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	106.6	DBL-WICH-THI
FDNS		1	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	105.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.4	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	103.8	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	103.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	103.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS		2	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	103.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	101.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.7	G11-17T 345.00 - POST ROCK 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	101.2	MINGO - SETAB 345KV CKT 1
FDNS	1	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	100.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	MINGO - SETAB 345KV CKT 1
FDNS	1	0	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	100.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	237.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	219.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.8	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	203.2	DBL-WICH-THI
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	202.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	202.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	198.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	196.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.7	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	193.8	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	189.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	187.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	187.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	185.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	185.8	STLN-DEMAR6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.6	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.6	MINGO - SETAB 345KV CKT 1	
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.0	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	MOORELAND - NINE MILE 138KV CKT 1	
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.5	DEWEY - IODINE 138KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	04ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		2	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.2	MINGO - SETAB 345KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	CARTER JCT - MOORELAND 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1		MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0		MINGO - RED WILLOW 345KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	123.9		DBL-WICH-THI
FDNS		4	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.2		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.0		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.7		STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.6		STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		2	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	121.4		MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	121.0		MOORELAND - NINE MILE 138KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.8		OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	116.8		MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	116.4		MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	115.4		MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	115.0		MOORELAND - NINE MILE 138KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06G10_020		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		6	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.7		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.5		WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.0		MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	113.3		THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	113.3		THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	06ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	113.1		DBL-WICH-THI
FDNS	09ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	112.7		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.6		ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.7		FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		9	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.5		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.1		MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.1		IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	107.3		DEWEY - IODINE 138KV CKT 1
FDNS		4	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	106.6		WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06G10_020		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.2		DBL-WICH-THI
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	105.2		ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	105.1		WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.1		DBL-WICH-THI
FDNS		4	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.0		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	104.8		TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	104.7		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	09ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	102.2		DBL-WICH-THI
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	101.4		ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	101.3		ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	06ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	100.9		LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		4	0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	100.9		IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.7		WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL		0 14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	100.3		GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	0 14G	G10_020	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.038	111.1		NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		02ALL	0 14G	G10_020	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.038	100.2		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		3	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	235.7		DBL-WICH-THI
FDNS	02ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	224.6		DBL-WICH-THI
FDNS	01ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	217.1		DBL-WICH-THI
FDNS		2	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	197.9		DBL-WICH-THI
FDNS		1	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	192.5		DBL-WICH-THI
FDNS	04ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	153.8		DBL-WICH-THI
FDNS	06ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	143.4		DBL-WICH-THI
FDNS	06G10_020		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	137.9		DBL-WICH-THI
FDNS		6	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	137.7		DBL-WICH-THI
FDNS	09ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	127.6		DBL-WICH-THI
FDNS		9	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	124.4		DBL-WICH-THI
FDNS	13ALL		0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	123.2		DBL-WICH-THI
FDNS		13	0 14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	122.9		DBL-WICH-THI
FDNS		3	0 14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	139.0		BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		3	0 14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	124.9		DBL-WICH-THI
FDNS		3	0 14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	118.3		FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL		0 14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.162	118.5		DBL-WICH-THI
FDNS	01ALL		0 14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.140	103.5		FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL		0 14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.140	103.5		THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.2		DBL-HTCH-BVR

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.192	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.132	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.132	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G10_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.128	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	0	0	14SP	G10_020	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.056	116.8	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G10_020	0	14SP	G10_020	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.056	116.8	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	0	0	14SP	G10_020	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.056	114.2	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G10_020	0	14SP	G10_020	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.056	114.2	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	0	0	14SP	G10_020	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.049	120.8	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G10_020	0	14SP	G10_020	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.049	120.8	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	0	0	14SP	G10_020	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.049	118.1	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G10_020	0	14SP	G10_020	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.049	118.1	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.035	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.031	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G10_020	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.181	182.3	DBL-BVR-WWRD
FDNS	02ALL	2	14G	G10_020	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.126	116.4	DBL-HTCH-BVR
FDNS	3	2	14G	G10_020	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	111.1	DBL-WICH-THI
FDNS	3	2	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	116.3	DBL-WICH-THI
FDNS	2	2	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	101.7	DBL-WICH-THI
FDNS	3	2	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	214.2	DBL-WICH-THI
FDNS	2	2	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	188.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.039	101.6	DBL-WICH-THI
FDNS	1	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	105.0	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	217.7	DBL-WICH-THI
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	186.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	183.7	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	162.3	DBL-WICH-THI
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	138.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	2	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.092	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G10_020	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.036	105.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	233.9	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	226.9	DBL-WICH-THI
FDNS	2	2	14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	199.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	118.9	DBL-WICH-THI
FDNS	3	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	100.9	DBL-WICH-THI
FDNS	3	2	14G	G10_020	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.031	104.2	DBL-WICH-THI
FDNS	02ALL	2	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.031	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G10_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.030	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G10_020	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.066	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.030	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G10_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.3	SPP-SWPS-03
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G10_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	149.8	SPP-SWPS-02A
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.0	SPP-SWPS-05
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	145.6	SPP-AEPW-32
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.3	SPP-SWPS-03
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.0	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	SPP-SWPS-05
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.0	SPP-AEPW-32
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.9	SPP-SWPS-02
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	G10_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	2A	14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	211.7	DBL-WICH-THI
FDNS	1	2A	14G	G10_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	187.9	DBL-WICH-THI
FDNS	0	0	14SP	G10_055	TO->FROM	BLUEBELL - PRATTVILLE 138KV CKT 1	212	0.048	104.3	EXPGLNT4 138.00 - RIVERSIDE STATION 138KV CKT 1
FDNS	00G10_055	0	14SP	G10_055	TO->FROM	BLUEBELL - PRATTVILLE 138KV CKT 1	212	0.048	104.3	EXPGLNT4 138.00 - RIVERSIDE STATION 138KV CKT 1
FDNS	0	0	14SP	G10_055	TO->FROM	BLUEBELL - PRATTVILLE 138KV CKT 1	212	0.048	102.3	BEELINE - EXPGLNT4 138.00 138KV CKT 1
FDNS	00G10_055	0	14SP	G10_055	TO->FROM	BLUEBELL - PRATTVILLE 138KV CKT 1	212	0.048	102.3	BEELINE - EXPGLNT4 138.00 138KV CKT 1
FDNS	0	0	24SP	G10_055	FROM->TO	SILOAM CITY - SILOAM SPRINGS 161KV CKT 1	317	0.030	116.6	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1
FDNS	00G10_055	0	24SP	G10_055	FROM->TO	SILOAM CITY - SILOAM SPRINGS 161KV CKT 1	317	0.030	116.6	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1
FDNS	3	0	14G	G10_056	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.036	101.8	DBL-IRON-CLR
FDNS	00G10_056	0	24SP	G10_056	TO->FROM	CHARLOT5 161.00 - NORTHEAST 161KV CKT 1	259	0.033	109.4	IATAN - STRANGER CREEK 345KV CKT 1
FDNS	0	0	24SP	G10_056	TO->FROM	CHARLOT5 161.00 - NORTHEAST 161KV CKT 1	259	0.033	107.9	IATAN - STRANGER CREEK 345KV CKT 1
FDNS	3	2	14G	G10_056	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.054	122.3	DBL-THIS-CLR
FDNS	01ALL	2A	14G	G10_056	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.054	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	0	14G	G10_057	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.090	101.8	DBL-IRON-CLR
FDNS	04ALL	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.128	108.9	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.128	108.7	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	04G10_057	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.128	100.2	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	04G10_057	0	14G	G10_057	FROM->TO	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 1	110	0.128	100.0	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.033	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.035	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.035	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.056	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.058	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.058	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.045	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.045	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.045	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G10_057	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.052	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G10_057	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.037	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G10_057	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.037	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	3	2	14G	G10_057	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.115	122.3	DBL-THIS-CLR
FDNS	03ALL	2	14G	G10_057	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.036	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G10_057	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.036	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G10_057	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.103	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	0	0	14SP	G10_058	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.052	100.7	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00G10_058	0	14SP	G10_058	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.052	100.7	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.132	103.2	DBL-HTCH-BVR
FDNS	3	0	14G	G10_058	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.031	116.7	DBL-WICH-THI
FDNS	3	0	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	122.6	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.030	115.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	112.0	DBL-WICH-THI
FDNS	2	0	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	100.9	DBL-WICH-THI
FDNS	3	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	225.1	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	211.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	206.5	DBL-WICH-THI
FDNS	2	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	187.4	DBL-WICH-THI
FDNS	1	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	181.9	DBL-WICH-THI
FDNS	04ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	143.3	DBL-WICH-THI
FDNS	06ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	132.8	DBL-WICH-THI
FDNS	06G10_058	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	127.3	DBL-WICH-THI
FDNS	6	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	127.1	DBL-WICH-THI
FDNS	09ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	117.0	DBL-WICH-THI
FDNS	9	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	112.6	DBL-WICH-THI
FDNS	13	0	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	112.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_058	FROM->TO	CONWAY SUB - KIRBY SWITCHING STATION 115KV CKT 1	160	0.034	100.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	112.0	DBL-WICH-THI
FDNS	1	0	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	140.2	DBL-WICH-THI
FDNS	1	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	106.6	DBL-WICH-THI
FDNS	1	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	101.9	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	100.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	203.2	DBL-WICH-THI	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	189.9	DBL-WICH-THI	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	187.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	181.0	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	174.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	173.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	171.3	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.1	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.3	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.2	WOODWARD - WOODWARD 69KV CKT 1	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.6	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.6	MINGO - SETAB 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.0	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	147.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	145.3	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.3	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.5	DEWEY - IODINE 138KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.2	MINGO - SETAB 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.7	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	CARTER ICT - MOORELAND 69KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	MINGO - RED WILLOW 345KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	123.9	DBL-WICH-THI	
FDNS	4	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	06ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	121.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	03ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	116.4	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	115.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	06G10_058	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	6	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	06ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	113.1	DBL-WICH-THI	
FDNS	09ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	9	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	109.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	107.3	DEWEY - IODINE 138KV CKT 1	
FDNS	4	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	06G10_058	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.2	DBL-WICH-THI	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	06ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	6	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	105.1	DBL-WICH-THI	
FDNS	4	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	06ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	09ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	102.2	DBL-WICH-THI	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	06ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	4	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.7	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	04ALL	0	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.038	111.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G10_058	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.038	100.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	3	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	235.7	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	224.6	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	217.1	DBL-WICH-THI	
FDNS	2	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	197.9	DBL-WICH-THI	
FDNS	1	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	192.5	DBL-WICH-THI	
FDNS	04ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	153.8	DBL-WICH-THI	
FDNS	06ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	143.4	DBL-WICH-THI	
FDNS	06G10_058	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	137.9	DBL-WICH-THI	
FDNS	6	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	137.7	DBL-WICH-THI	
FDNS	09ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	127.6	DBL-WICH-THI	
FDNS	9	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	124.4	DBL-WICH-THI	
FDNS	13ALL	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	123.2	DBL-WICH-THI	
FDNS	13	0	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	122.9	DBL-WICH-THI	
FDNS	3	0	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	3	0	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	124.9	DBL-WICH-THI	
FDNS	3	0	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.162	118.5	DBL-WICH-THI	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.140	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.140	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.2	DBL-HTCH-BVR	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	100.7	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.192	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.132	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.132	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01ALL	0	14G	G10_058	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.128	100.0	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	0	0	14SP	G10_058	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.058	116.8	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	00G10_058	0	14SP	G10_058	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.058	116.8	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	0	0	14SP	G10_058	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.058	114.2	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	00G10_058	0	14SP	G10_058	FROM->TO	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	252	0.058	114.2	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	0	0	14SP	G10_058	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.050	120.8	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	00G10_058	0	14SP	G10_058	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.050	120.8	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	0	0	14SP	G10_058	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.050	118.1	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	00G10_058	0	14SP	G10_058	FROM->TO	ROOSEVELT COUNTY INTERCHANGE (ABB LMM60042) 230/115/13.2KV TRANSFORMER CKT 1	252	0.050	118.1	OASIS INTERCHANGE (ABB LLM60041) 230/115/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02ALL	0	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.035	109.5	DBL-WICH-THI	
FDNS	02ALL	0	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.031	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G10_058	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.181	182.3	DBL-BVR-WWRD	
FDNS	02ALL	2	14G	G10_058	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.126	116.4	DBL-HTCH-BVR	
FDNS	3	2	14G	G10_058	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	111.1	DBL-WICH-THI	
FDNS	3	2	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	121.6	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	116.3	DBL-WICH-THI	
FDNS	2	2	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.031	101.7	DBL-WICH-THI	
FDNS	3	2	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	223.3	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	214.2	DBL-WICH-THI	
FDNS	2	2	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.031	188.6	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	109.7	DBL-WICH-THI	
FDNS	01ALL	2	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.039	101.6	DBL-WICH-THI	
FDNS	1	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	DBL-TGA-MATT	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	119.9	DBL-WICH-THI	
FDNS	01ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	116.8	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	3	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	105.0	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	103.4	DBL-WICH-THI	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	100.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	217.7	DBL-WICH-THI	
FDNS	03ALL	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	207.0	DBL-TGA-MATT	
FDNS	02ALL	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	186.8	DBL-WICH-THI
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	184.1	DEWEY - IODINE 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	183.7	DBL-WICH-THI
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	176.2	DEWEY - IODINE 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	162.3	DBL-WICH-THI
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	DEWEY - IODINE 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	138.7	DBL-WICH-THI
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	2 14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL		2	14G	G10_058	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.092	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		2	14G	G10_058	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.036	105.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		3	2	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	233.9	DBL-WICH-THI
FDNS	02ALL		2	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	226.9	DBL-WICH-THI
FDNS		2	2	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.031	199.1	DBL-WICH-THI
FDNS	03ALL		2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	118.9	DBL-WICH-THI
FDNS		3	2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL		2	14G	G10_058	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	100.9	DBL-WICH-THI
FDNS		3	2	14G	G10_058	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.031	104.2	DBL-WICH-THI
FDNS	02ALL		2	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.031	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL		2	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	105.9	DBL-WICH-THI
FDNS	03ALL		2	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G10_058	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.030	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL		2A	14G	G10_058	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.066	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.030	108.9	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	201.2	DBL-WICH-THI
FDNS		1	2A	14G	G10_058	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.030	177.3	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	112.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	135.1	DBL-WICH-THI
FDNS		1	2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	112.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.3	SPP-SWPS-03
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	109.5	SPP-SWPS-02A
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	108.6	SPP-SWPS-05
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	106.8	SPP-AEPW-32
FDNS	01ALL		2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G10_058	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	194.2	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	166.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	153.5	SPP-SWPS-03
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	149.8	SPP-SWPS-02A	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.3	SPP-SWPS-03	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.0	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	SPP-SWPS-05	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.0	SPP-AEPW-32	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.9	SPP-SWPS-02	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	110.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G10_058	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	2A	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	211.7	DBL-WICH-THI	
FDNS	1	2A	14G	G10_058	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.030	187.9	DBL-WICH-THI	
FDNS	01ALL	2A	14G	G11_007	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.560	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.086	120.9	DBL-WICH-THI	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.060	120.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	3	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.086	116.7	DBL-WICH-THI	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.060	112.4	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.059	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.059	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	105.5	ST JOHN - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	105.5	DBL-BVR-WWRD	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.055	104.8	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.053	104.5	SEWARD - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.053	103.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	102.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	102.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	102.5	HUNTSVILLE - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.044	102.3	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.044	102.1	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.053	102.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	101.9	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	101.8	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.052	101.3	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.051	101.3	GREAT BEND TAP - SEWARD 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.051	101.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	101.3	DBL-HTCH-BVR	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.052	101.1	AXTELL - PAULINE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.052	100.8	ELLSWTP3 115.00 - MULLERGREN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.050	100.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL	0	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.052	100.4	MOORE - PAULINE 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.063	126.2	DBL-WICH-THI	
FDNS	3	0	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.063	122.6	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.063	115.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.063	112.0	DBL-WICH-THI
FDNS	2	0	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.063	100.9	DBL-WICH-THI
FDNS	03G11_008	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	231.3	DBL-WICH-THI
FDNS	3	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	225.1	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	211.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	206.5	DBL-WICH-THI
FDNS	2	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	187.4	DBL-WICH-THI
FDNS	1	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	181.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	158.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	158.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	04ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	143.3	DBL-WICH-THI
FDNS	03G11_008	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	137.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	137.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	133.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	133.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	06ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	132.8	DBL-WICH-THI
FDNS	6	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	127.1	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	123.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	123.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	118.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	118.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	09ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	117.0	DBL-WICH-THI
FDNS	9	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	112.6	DBL-WICH-THI
FDNS	13	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.063	112.3	DBL-WICH-THI
FDNS	2	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	109.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	109.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	106.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	106.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	00G11_008	0	14WP	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.066	100.7	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.072	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.072	112.0	DBL-WICH-THI
FDNS	1	0	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.072	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	140.2	DBL-WICH-THI
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	121.8	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	118.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	117.0	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	116.1	BASE CASE
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.1	DBL-BVR-WWRD
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.9	GEN514805 1-SOONER UNIT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.7	RENFLOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	109.6	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.0	EASTDC - WELSH 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03G11_008	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	105.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.5	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.7	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.7	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.7	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.7	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	101.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.8	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.9	GEN515365 1-CENT 21 34.500
FDNS	03G11_008	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	100.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.7	GEN515393 1-OGEWND2G
FDNS	1	0	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	203.2	DBL-WICH-THI
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	198.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	189.9	DBL-WICH-THI
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	188.6	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	188.1	BASE CASE
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	180.3	GEN520997 1-MORLND2
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	178.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	171.9	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.0	BASE CASE
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	169.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.3	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	163.2	DBL-IRON-CLR
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.9	GEN520997 1-MORLND2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.4	GEN542957 1-IATAN UNIT #1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659111 2-LELAND OLDS UNIT2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	IODINE - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN542962 2-IATAN UNIT #2
FNSL		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN515393 1-OGEWND2G
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN515365 1-CENT 21 34.500
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	161.0	GEN645001 1-FORT CALHOUN 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN562023 1-G11_020_3 0.6900
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.7	GEN562026 1-G11_019_3 0.6900
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.5	GEN523461 1-BLACKHAWK GEN #1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	160.5	GEN523462 1-ANTELOPE VALLEY UNIT1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.5	DBL-BVR-WWRD
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.5	GEN523462 1-BLACKHAWK GEN #2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.2	GEN523122 1-NBLWND-WTG210.6900
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN527161 1-MUSTANG GEN #1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN527162 1-MUSTANG GEN #2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN645012 2-NEBRASKA CITY 2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN560584 1-G06-44-2 4.1600
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN523121 1-NBLWND-WTG110.6900
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.1	GEN523107 1-NOVUS_WND 14.1600
FDNS		03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	160.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.0	GEN523123 1-NBLWND-WTG310.6900
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	159.7	MOORELAND - TALOGA 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	GEN526334 1-JONES_4 116.500
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.6	GEN526332 1-JONES GEN #2 21 KV
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GEN560429 1-G08-29 0.6400
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.1	GEN560586 1-G06-44-4 4.1600
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	159.0	BASE CASE
FDNS		03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.7	GEN560585 1-G06-44-3 4.1600
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN520997 1-MORLND2
FDNS		01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.1	GEN515389 1-TLGAWND1 34.500
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	156.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	156.2	GEN520997 1-MORLND2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.1	BASE CASE
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.7	GEN560371 1-G07-46 0.6900
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.4	GEN560256 1-G10-14-1 0.6900
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN560257 1-G10-14-2 0.6900
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.6	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.6	MINGO - SETAB 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.6	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.4	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.4	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.4	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.9	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.8	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	GEN560687 1-G11-007 0.5750
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.7	GEN509394 1-FLINT CREEK
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.7	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.2	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	149.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN562020 1-G11_021 3 0.6900
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	147.2	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN562020 1-G11_021 3 0.6900
FNSL	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	145.4	DEWEY - IODINE 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.0	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.6	BASE CASE

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.9	GEN514806 1-SOONER UNIT 2
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN560648 1-G07-21 0.5750
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.2	GEN520997 1-MORLND2
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.0	DBL-HTCH-BVR
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.2	GEN515397 1-OUSPR1 34.500
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.2	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.7	GEN520922 1-SLEEPING BEAR
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.6	GEN560175 1-G07-44 0.5750
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.6	GEN525561 1-TOLK GEN #1 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.4	GEN560282 1-G08-19 0.6000		
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.4	GEN520997 1-MORLND2		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.3	MINGO - RED WILLOW 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.1	FARGO JCT - WOODWARD 69KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.9	HOLCOMB - SETAB 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.7	GEN515042 1-SEMINOLE 3G		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN509416 1-TURK GENERATION		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.6	BENTON - WICHITA 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN515226 1-MUSKOGEE 6G		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN520947 1-HUGO1		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.5	GEN525562 1-TOLK GEN #2 24 KV		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.4	GEN560221 1-G07-62-1 0.6900		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.4	GEN560222 1-G07-62-2 0.6900		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.4	GEN560223 1-G07-62-3 0.6900		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.4	GEN560224 1-G07-62-4 0.6900		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515225 1-MUSKOGEE 5G		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.3	GEN515223 1-MUSKOGEE 4G		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN336821 1-GRAND GULF UNIT		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	FLATRDG3 - HARPER 138KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.2	GEN509403 1-PIRKEY GENERATION		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN336153 1-WATERFORD UNIT#3		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.1	CARTER JCT - WOODWARD 69KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.1	AXTELL - POST ROCK 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509406 1-WELSH #3		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509405 1-WELSH #2		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN509404 1-WELSH #1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	GEN501801 1-DOLET HILLS UNIT1		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN511840 1-NORTHEASTERN STATION #3		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN515041 1-SEMINOLE 2G		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN511841 1-NORTHEASTERN STATION #4		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.9	ELK CITY - FALCON ROAD 138KV CKT 1		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.9	GEN509394 1-FLINT CREEK		
FDNS	2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.8	BASE CASE		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.4	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	137.1	WOODWARD - WOODWARD 69KV CKT 1		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2		
FDNS	01ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.1	GEN560221 1-G07-62-1 0.6900		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.1	GEN560222 1-G07-62-2 0.6900		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.1	GEN560223 1-G07-62-3 0.6900		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.1	GEN560224 1-G07-62-4 0.6900		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	GEN531208 1-FLTRDG-WG1 0.6000		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	GEN562017 1-G11_022_3 0.6900		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.9	GEN560267 1-G10-15-1 0.6900		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.9	GEN542957 1-IATAN UNIT #1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.9	GEN539762 1-SSWIND 1 34.500		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	GEN531459 2-S2 GENERATOR		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	GEN560268 1-G10-15-2 0.6900		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	GEN539785 1-ENSNW 1 0.5750		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1		
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.8	THISTLE7 345.00 - WICHITA 345KV CKT 1		
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.8	THISTLE7 345.00 - WICHITA 345KV CKT 2		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	GEN560121 1-G08-47 0.5750		
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	GEN523461 1-BLACKHAWK GEN #1		

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.7	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.6	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.5	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.5	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.5	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.4	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.4	GEN515393 1-OGEWND2G	
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.4	GEN645001 1-FORT CALHOUN 1	
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.3	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.2	GEN526334 1-JONES_4 116.500	
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	DBL-HTCH-BVR	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.1	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.1	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.0	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.8	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.8	GEN542902 1-GPW_G1 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.8	GEN560695 1-G11-008-3 0.6900	
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.7	GEN515393 1-OGEWND2G	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.7	GEN560514 1-G04_014 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.6	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.5	GEN645012 2-NEBRASKA CITY 2	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.3	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.3	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.2	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.1	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.7	GEN560659 1-G07-38 0.6900	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.7	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.7	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.7	GEN560432 1-G08-124 0.6900	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	DOVER - DOVER SW 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	GEN560429 1-G08-29 0.6400	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	133.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	GEN560329 1-G10-45 0.6900	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	GEN531503 1-CIMRRN 1 34.500	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	IODINE - MOORELAND 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	GEN560693 1-G11-008-1 0.6900	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN542957 1-IATAN UNIT #1	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN523122 1-NBLWND-WTG210.6900	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN659111 2-LELAND OLDS UNIT2	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523121 1-NBLWND-WTG110.6900	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN560584 1-G06-44-2 4.1600	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN523107 1-NOVUS_WND 14.1600	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN526332 1-JONES GEN #2 21 KV	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	GEN515365 1-CENT 21 34.500	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523123 1-NBLWND-WTG310.6900	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	GEN562026 1-G11_019_3 0.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	GEN515393 1-OGEWND2G
FDNS	04ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	BASE CASE
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.9	GEN645001 1-FORT CALHOUN 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527161 1-MUSTANG GEN #1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	GEN527162 1-MUSTANG GEN #2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.7	GEN560586 1-G06-44-4 4.1600
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN560585 1-G06-44-3 4.1600
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.9	GEN562032 1-G11_017_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.4	GEN514805 1-SOONER UNIT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.2	GEN560429 1-G08-29 0.6400
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	GEN560371 1-G07-46 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.3	GEN560257 1-G10-14-2 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	129.7	DBL-BVR-WWRD

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	PDF	(% MVA)		
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.6	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.4	GEN514806 1-SOONER UNIT 2	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.2	GEN562042 1-G11_014_3 0.6900	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	128.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.6	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	MINGO - SETAB 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.8	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.7	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.5	GEN515226 1-MUSKOGEE 6G	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	GEN509416 1-TURK GENERATION	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.4	BENTON - WICHITA 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	GEN520947 1-HUGO1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	GEN531447 1-HOLCOMB GENERATOR	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	GEN336821 1-GRAND GULF UNIT	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	GEN521120 1-BUFBEAR2	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	GEN515223 1-MUSKOGEE 4G	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	GEN336153 1-WATERFORD UNIT#3	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.1	GEN515225 1-MUSKOGEE 5G	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.1	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.1	GEN509403 1-PIRKEY GENERATION	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN562017 1-G11_022_3 0.6900	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	FLATRDG3 - HARPER 138KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.0	MINGO - RED WILLOW 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN509406 1-WELSH #3	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN509405 1-WELSH #2	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN509404 1-WELSH #1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	GEN501801 1-DOLET HILLS UNIT1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.9	AXTELL - POST ROCK 345KV CKT 1	
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.9	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.8	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	126.7	GEN525562 1-TOLK GEN #2 24 KV	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.2	GEN562020 1-G11_021_3 0.6900	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.2	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.7	GEN560429 1-G08-29 0.6400	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.6	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.6	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.2	DEWEY - TALOGA 138KV CKT 1	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.0	MINGO - SETAB 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.7	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.6	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.5	GEN514806 1-SOONER UNIT 2	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.3	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.0	BENTON - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		04ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.9	DBL-WICH-THI
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.8	GEN520922 1-SLEEPING BEAR
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		4	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		06ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.9	HOLCOMB - SETAB 345KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	GEN542957 1-IATAN UNIT #1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN562017 1-G11_022_3 0.6900
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN560121 1-G08-47 0.5750
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN515226 1-MUSKOGEE 6G
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN542962 2-IATAN UNIT #2
FNSL		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN509416 1-TURK GENERATION
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN527162 1-MUSTANG GEN #2
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN527161 1-MUSTANG GEN #1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN562020 1-G11_021_3 0.6900
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN520947 1-HUGO1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN336821 1-GRAND GULF UNIT
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS		3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN514805 1-SOONER UNIT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.3	GEN515225 1-MUSKOGEE 5G
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.3	GEN515223 1-MUSKOGEE 4G
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.3	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.3	GEN526334 1-JONES_4 116.500
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_008		0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.2	GEN509403 1-PIRKEY GENERATION

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	GEN501801 1-DOLET HILLS UNIT1	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	GEN509406 1-WELSH #3	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	GEN509405 1-WELSH #2	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	GEN509404 1-WELSH #1	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.1	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.0	GEN335831 1-RIVERBEND UNIT#1	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	03ALL	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.0	DBL-HTCH-BVR	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.0	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.0	GEN509394 1-FLINT CREEK	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.9	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03G11_008	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.8	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.5	GEN645012 2-NEBRASKA CITY 2	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.3	MINGO - SETAB 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.2	GEN514806 1-SOONER UNIT 2	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.2	GEN560648 1-G07-21 0.5750	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.0	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.8	MINGO - RED WILLOW 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.7	AXTELL - POST ROCK 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.6	GEN520922 1-SLEEPING BEAR	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.4	BENTON - WICHITA 345KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.5	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	HOLCOMB - SETAB 345KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN515226 1-MUSKOGEE 6G	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN509416 1-TURK GENERATION	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN515397 1-OUSPRT 1 34.500	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN336821 1-GRAND GULF UNIT	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN520947 1-HUGO1	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN336153 1-WATERFORD UNIT#3	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN515225 1-MUSKOGEE 5G	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN515223 1-MUSKOGEE 4G	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.0	HARPER - MILAN TAP 138KV CKT 1	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.0	GEN560175 1-G07-44 0.5750	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.0	GEN509403 1-PIRKEY GENERATION	
FDNS	1	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN560282 1-G08-19 0.6000	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509406 1-WELSH #3	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509405 1-WELSH #2	
FDNS	3	0 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN509404 1-WELSH #1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN560221 1-G07-62-1 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN560222 1-G07-62-2 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN560223 1-G07-62-3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN515042 1-SEMINOLE 3G
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN562017 1-G11_022_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN542957 1-IATAN UNIT #1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN531459 2-S2 GENERATOR
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN560121 1-G08-47 0.5750
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.4	GEN542902 1-GPW_G1 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.4	GEN542962 2-IATAN UNIT #2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.3	GEN560514 1-G04_014 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.3	GEN645001 1-FORT CALHOUN 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.3	GEN515365 1-CENT 21 34.500
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.3	GEN527161 1-MUSTANG GEN #1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.3	GEN527162 1-MUSTANG GEN #2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.2	EASTDC - WELSH 345KV CKT 1
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.0	GEN539807 1-G05-12 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.0	GEN526334 1-JONES_4 116.500
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.0	GEN515393 1-OGEWND2G
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.0	GEN560238 1-G10-09 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN560224 1-G07-62-4 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.8	GEN560695 1-G11-008-3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN562023 1-G11_020_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN562026 1-G11_019_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.6	GEN560694 1-G11-008-2 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.6	GEN560659 1-G07-38 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.6	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.5	GEN562035 1-G11_016_3 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.5	GEN560432 1-G08-124 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.5	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN560549 1-G06-06 0.6900
FDNS	03G11_008		0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN531503 1-CIMRRN 1 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN560329 1-G10-45 0.6900
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN645012 2-NEBRASKA CITY 2
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.0	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.9	DBL-HTCH-BVR
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.8	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	115.7	DBL-SPRVL-CL
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.3	GEN560429 1-G08-29 0.6400
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.2	GEN560693 1-G11-008-1 0.6900
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.9	GEN562032 1-G11_017_3 0.6900
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	6	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.3	GEN515365 1-CENT 21 34.500
FDNS	4	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.2	DBL-WICH-THI
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.8	GEN515393 1-OGEWND2G
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.7	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560221 1-G07-62-1 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560222 1-G07-62-2 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560223 1-G07-62-3 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.6	GEN560224 1-G07-62-4 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN562017 1-G11_022_3 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN542957 1-IATAN UNIT #1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.4	GEN531459 2-S2 GENERATOR
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	113.4	DOVER - DOVER SW 138KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN560121 1-G08-47 0.5750
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.2	GEN562020 1-G11_021_3 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.2	GEN542962 2-IATAN UNIT #2
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.2	GEN542902 1-GPW_G1 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.1	GEN560695 1-G11-008-3 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.1	GEN560514 1-G04_014 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	113.1	DBL-WICH-THI
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.1	GEN527161 1-MUSTANG GEN #1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.1	GEN527162 1-MUSTANG GEN #2
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.0	EASTDC - WELSH 345KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.0	GEN645001 1-FORT CALHOUN 1
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.0	GEN515365 1-CENT 21 34.500
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.0	GEN560694 1-G11-008-2 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	113.0	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	113.0	DBL-IRON-CLR
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN539807 1-G05-12 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.7	GEN515393 1-OGEWND2G

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.0	GEN520997 1-MORLND2	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	111.4	DBL-SPRVL-CL
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.7	DBL-BVR-WWRD	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.2	GEN525561 1-TOLK GEN #1 24 KV	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	110.1	MOORELAND - TALOGA 138KV CKT 1
FNLS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		9	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	109.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.1	GEN525562 1-TOLK GEN #2 24 KV	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	108.8	DBL-IRON-CLR
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	107.3	DEWEY - IODINE 138KV CKT 1	
FDNS	03G11_008	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	107.2	DBL-HTCH-BVR	
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	106.9	GEN560429 1-G08-29 0.6400
FDNS	06ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.7	GEN520997 1-MORLND2	
FDNS		4	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.6	GEN520997 1-MORLND2
FDNS		4	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS	06ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		6	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	105.1	DBL-WICH-THI
FDNS		4	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	103.0	DBL-HTCH-BVR
FDNS		6	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	102.4	GEN520997 1-MORLND2
FDNS	09ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	102.2	DBL-WICH-THI	
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS		1	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	06ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	4	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	100.4	BASE CASE
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	04ALL	0	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	100.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03G11_008	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	244.1	DBL-WICH-THI
FDNS	3	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	235.7	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	224.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	217.1	DBL-WICH-THI
FDNS	2	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	197.9	DBL-WICH-THI
FDNS	1	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	192.5	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	168.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	168.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	04ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	153.8	DBL-WICH-THI
FDNS	03G11_008	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	147.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	143.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	143.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	06ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	143.4	DBL-WICH-THI
FDNS	6	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	137.7	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	133.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	133.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	129.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	129.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	09ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	127.6	DBL-WICH-THI
FDNS	9	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	124.4	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.063	122.9	DBL-WICH-THI
FDNS	2	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	119.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	119.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	116.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	116.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	00G11_008	0	14WP	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.066	111.0	DBL-WICH-THI
FDNS	03G11_008	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	107.3	DBL-SPRVL-CL
FDNS	00G11_008	0	19WP	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.069	103.4	DBL-WICH-THI
FDNS	3	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	103.2	DBL-SPRVL-CL
FDNS	02ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	100.3	DBL-SPRVL-CL
FDNS	04ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	100.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	100.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.110	144.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	142.3	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.110	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.098	129.3	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.074	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.074	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.098	124.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.072	124.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.110	123.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	122.8	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	121.6	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.070	121.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	120.9	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	120.8	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	120.7	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	120.6	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	120.5	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	120.5	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	119.9	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.070	119.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	119.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	119.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	118.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	118.5	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	118.4	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	118.3	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.110	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	118.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	118.0	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.9	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.8	ALEXANDER - NEKOMA 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.5	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.4	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.2	BEELER - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.2	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	117.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	116.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	116.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.5	CRCKC 3 115.00 - CUDAHY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	116.5	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	116.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.4	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	116.3	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.3	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	116.3	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	116.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.1	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.0	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	116.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.9	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	115.9	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.8	GEN542951 5-HAWTHORN UNIT #5
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	115.8	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.8	COLBY - MINGO 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.8	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	115.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.7	GEN560140 1-G09-08 0.7000
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.7	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.7	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	115.7	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.7	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	115.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.6	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	115.5	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	115.5	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	114.8	SPEARVILLE (SPWIND 2) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	114.5	BASE CASE
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.043	114.3	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	114.1	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	113.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	113.5	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	113.4	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.4	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.4	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.2	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.2	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1
FNSL	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.1	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	113.1	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	113.0	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	113.0	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	112.9	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.9	EASTDC - WELSH 345KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	112.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.8	GEN531459 2-S2 GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.3	HOYT - STRANGER CREEK 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.065	112.2	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	112.1	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	112.1	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	111.8	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.7	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.5	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.5	GEN539785 1-ENSNOW 1 0.5750
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.3	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	111.2	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	111.2	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.1	GEN560267 1-G10-15-1 0.6900
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	111.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	111.1	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	111.1	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	110.8	ELLSWTP3 115.00 - MULLERGREN 115KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.7	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.5	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.5	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.2	GEN560238 1-G10-09 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	110.1	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	109.8	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	109.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	109.6	GEN523117 1-BUFF DUNES210.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	109.2	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	109.2	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	109.2	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	108.8	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.065	108.8	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	108.6	SEWARD - ST JOHN 115KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	108.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	108.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	107.9	GEN560659 1-G07-38 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	107.9	GEN560432 1-G08-124 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	107.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	107.7	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	107.2	GEN562032 1-G11_017_3 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	106.2	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	106.0	GEN560514 1-G04_014 0.6900
FDNS	3	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	104.4	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.075	102.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.075	102.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.072	102.8	MINGO - SETAB 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	102.5	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.073	102.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.072	101.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	100.9	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03G11_008	0	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.070	100.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.185	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.108	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.116	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.116	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.108	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.125	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.125	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_008	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.112	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_008	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	330	0.037	120.0	DBL-THIS-CLR
FDNS	04ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.113	117.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.055	113.5	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	03G11_008	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.073	112.1	DBL-WICH-THI
FDNS	3	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.073	108.8	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	04ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.073	108.0	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.051	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.051	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.045	102.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	04ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.063	102.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.044	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.045	101.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.047	100.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.048	100.3	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.045	100.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.050	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_008	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.050	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.036	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.048	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.033	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.514	136.5	DBL-THIS-CLR
FDNS	3	2	14G	G11_008	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.514	122.3	DBL-THIS-CLR
FDNS	03G11_008	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.106	124.8	DBL-THIS-CLR
FDNS	3	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.106	119.2	DBL-THIS-CLR
FDNS	03G11_008	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.081	115.0	DBL-WICH-THI
FDNS	3	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.081	111.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.055	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.055	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.059	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.059	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.055	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.048	102.2	DBL-BVR-WWRD
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008	2	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.062	125.6	DBL-WICH-THI
FDNS	3	2	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.062	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.062	116.3	DBL-WICH-THI
FDNS	2	2	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.062	101.7	DBL-WICH-THI
FDNS	03G11_008	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	230.2	DBL-WICH-THI
FDNS	3	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	214.2	DBL-WICH-THI
FDNS	2	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	188.6	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.060	180.9	DBL-WICH-THI
FDNS	1	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.060	160.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	155.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	155.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	135.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	135.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	131.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	131.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	124.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	124.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	110.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	110.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.035	110.2	DBL-SPRVL-CL
FDNS	01ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	107.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.032	107.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FLATRDG3 - MEDICINE LODGE 138KV CKT 1	136.7	0.049	105.8	DBL-THIS-CLR
FDNS	02ALL	2	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.073	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.067	101.6	DBL-WICH-THI
FDNS	1	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_008	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	108.8	DBL-WICH-THI
FDNS	2	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	105.0	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	03G11_008	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	104.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	217.7	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	193.7	DBL-WICH-THI
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	186.8	DBL-WICH-THI
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	185.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	183.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	175.5	BASE CASE
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	174.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	171.4	GEN520997-1-MORLND2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.9	BASE CASE
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	167.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	166.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	164.0	GEN520997-1-MORLND2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	162.3	DBL-WICH-THI
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	160.6	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	160.2	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	159.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	159.7	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	159.6	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	158.5	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	158.3	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.0	RENFWOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	157.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.6	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	157.2	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	156.8	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	156.5	BENTON - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	156.4	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	156.4	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.7	GEN520947 1-HUGO1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.7	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.4	GEN336821 1-GRAND GULF UNIT	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.4	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.4	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.4	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.3	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.3	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GEN509406 1-WELSH #3	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GEN509405 1-WELSH #2	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GEN509404 1-WELSH #1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.1	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.8	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.7	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.6	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	154.3	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.1	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.9	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	152.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	152.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	152.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.8	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.8	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.2	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.1	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN523122 1-NBLWND-WTG10.6900
FNSL	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.6	GEN523121 1-NBLWND-WTG10.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.5	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.5	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.4	GEN645001 1-FORT CALHOUN 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.3	BASE CASE
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.2	GEN526334 1-JONES_4 116.500
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.3	GEN645012 2-NEBRASKA CITY 2
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.3	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509404 1-WELSH #1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN336821 1-GRAND GULF UNIT
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.2	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.9	GEN560371 1-G07-46 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.7	BASE CASE
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560223 1-G07-62-3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	143.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN539785 1-ENSGW 1 0.5750
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN542962 2-IATAN UNIT #2
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	143.0	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	143.0	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.8	GEN645001 1-FORT CALHOUN 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN560514 1-G04_014 0.6900
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.8	GEN645012 2-NEBRASKA CITY 2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	141.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	141.7	THISTLE7 345.00 - WICHITA 345KV CKT 2



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.6	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.4	GEN560429 1-G08-29 0.6400
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.4	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.3	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.2	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.8	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.8	GEN560549 1-G06-06 0.6900
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.5	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.4	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.4	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.4	GEN531503 1-CIMRRN 1 34.500
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.6	BASE CASE
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	138.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	138.7	DBL-WICH-THI
FNSL	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.9	GRAPEVINE INTERCHANGE - STATLINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	135.6	DEWEY - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	134.7	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.5	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	134.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	134.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.1	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.9	GEN514805 1-SOONER UNIT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.8	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.5	BENTON - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	132.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN336821 1-GRAND GULF UNIT
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN515223 1-MUSKOGEE 4G
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.3	GEN509403 1-PIRKEY GENERATION
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509406 1-WELSH #3
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509405 1-WELSH #2
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509404 1-WELSH #1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.1	GEN515041 1-SEMINOLE 2G
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.8	SOONER - WOODRING 345KV CKT 1
FDNS		02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.5	DEWEY - TALOGA 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	131.4	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.0	MINGO - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.7	GEN514806 1-SOONER UNIT 2
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	130.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.4	MINGO - RED WILLOW 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	130.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	130.0	BENTON - WICHITA 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.8	GEN520922 1-SLEEPING BEAR
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.2	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.2	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.9	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.9	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.8	HOLCOMB - SETAB 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		02ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	128.7	DBL-HTCH-BVR
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.7	GEN509416 1-TURK GENERATION
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.7	GEN515226 1-MUSKOGEE 6G
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.6	GEN520947 1-HUGO1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.4	HARPER - MILAN TAP 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.3	GEN515225 1-MUSKOGEE 5G
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.3	GEN515223 1-MUSKOGEE 4G
FDNS		1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	GEN509403 1-PIRKEY GENERATION
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	GEN514805 1-SOONER UNIT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	GEN336821 1-GRAND GULF UNIT
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN509406 1-WELSH #3
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN509405 1-WELSH #2
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN509404 1-WELSH #1
FDNS		03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN501801 1-DOLET HILLS UNIT1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	GEN336153 1-WATERFORD UNIT#3
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.0	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.0	SOONER - WOODRING 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.9	GEN515042 1-SEMINOLE 3G
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.9	GEN509394 1-FLINT CREEK
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.9	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.9	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.8	GEN335831 1-RIVERBEND UNIT#1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.7	EASTDC - WELSH 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.7	DOVER - DOVER SW 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	PDF	(% MVA)		
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.4	GEN542957 1-IATAN UNIT #1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN527161 1-MUSTANG GEN #1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN527162 1-MUSTANG GEN #2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN515365 1-CENT 21 34.500
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN560586 1-G06-44-4 4.1600
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.1	GEN542962 2-IATAN UNIT #2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.1	GEN515393 1-OGEWIND2G
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN560585 1-G06-44-3 4.1600
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN526334 1-JONES_4 116.500
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.8	GEN645001 1-FORT CALHOUN 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	126.1	MINGO - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.0	GEN514806 1-SOONER UNIT 2
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	GEN560429 1-G08-29 0.6400
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.3	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	125.1	BENTON - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN509416 1-TURK GENERATION

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN562042 1-G11_014_3 0.6900
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN515226 1-MUSKOGEE 6G
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	GEN520947 1-HUGO1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.9	GEN515225 1-MUSKOGEE 5G
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.9	GEN515223 1-MUSKOGEE 4G
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	GEN336821 1-GRAND GULF UNIT
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN560121 1-G08-47 0.5750
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	EASTDC - WELSH 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509406 1-WELSH #3
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509405 1-WELSH #2
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509404 1-WELSH #1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	DOVER - DOVER SW 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN515042 1-SEMINOLE 3G
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN531459 2-S2 GENERATOR
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN527161 1-MUSTANG GEN #1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN527162 1-MUSTANG GEN #2
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	GEN509394 1-FLINT CREEK
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	GEN542957 1-IATAN UNIT #1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	GEN515365 1-CENT 21 34.500
FDNS		3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.2	GEN526334 1-JONES_4 116.500
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.2	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.1	GEN542902 1-GPW_G1 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN515393 1-OGEWIND2G
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN542962 2-IATAN UNIT #2
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN560514 1-G04_014 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.8	GEN645001 1-FORT CALHOUN 1
FDNS		2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.8	GEN562023 1-G11_020_3 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.8	GEN562026 1-G11_019_3 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.7	GEN539807 1-G05-12 0.6900
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.7	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03G11_008		2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.5	GEN560695 1-G11-008-3 0.6900	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.4	GEN560238 1-G10-09 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.3	GEN560694 1-G11-008-2 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.2	GEN562017 1-G11_022_3 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.2	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.1	GEN560659 1-G07-38 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.1	GEN562035 1-G11_016_3 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.1	GEN560432 1-G08-124 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.0	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.0	GEN560549 1-G06-06 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.8	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.7	GEN531503 1-CIMRRN 1 34.500	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.7	GEN560329 1-G10-45 0.6900	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.6	GEN560121 1-G08-47 0.5750	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.4	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.3	GEN562020 1-G11_021_3 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.3	GEN560429 1-G08-29 0.6400	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.1	GEN560693 1-G11-008-1 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	GEN531447 1-HOLCOMB GENERATOR	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.8	DOVER SW - OKEENE 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	120.7	GEN523117 1-BUFF_DUNES210.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.7	MOORELAND - TALOGA 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	120.6	GEN562032 1-G11_017_3 0.6900	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.4	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	120.3	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	120.3	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	120.3	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.8	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.6	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.6	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN560121 1-G08-47 0.5750	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN560696 1-G11-008-4 0.6900	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	EASTDC - WELSH 345KV CKT 1	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN562020 1-G11_021_3 0.6900	
FNSL	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.3	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.1	DOVER - DOVER SW 138KV CKT 1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN527161 1-MUSTANG GEN #1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN527162 1-MUSTANG GEN #2	
FDNS	03G11_008	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.1	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.0	GEN531459 2-S2 GENERATOR	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.0	GEN659111 2-LELAND OLDS UNIT2	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.9	GEN542957 1-IATAN UNIT #1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	3	2	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN526334 1-JONES 4 116.500	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN515365 1-CENT 21 34.500
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN542902 1-GPW_G1 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN560695 1-G11-008-3 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN542962 2-IATAN UNIT #2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN560514 1-G04_014 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN560694 1-G11-008-2 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN515393 1-OGEWND2G
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN562023 1-G11_020_3 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN562026 1-G11_019_3 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN539807 1-G05-12 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.0	GEN560238 1-G10-09 0.6900
FDNS	1		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	2		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.8	GEN560659 1-G07-38 0.6900
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN562035 1-G11_016_3 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN560432 1-G08-124 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN560693 1-G11-008-1 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.6	GEN560549 1-G06-06 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.4	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN560329 1-G10-45 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	2		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.9	GEN560429 1-G08-29 0.6400
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.3	GEN562032 1-G11_017_3 0.6900
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.8	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	112.2	DBL-HTCH-BVR
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.4	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.0	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	03G11_008		2 14G	G11_008	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	164.7	DBL-THIS-CLR
FDNS		3	2 14G	G11_008	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	158.1	DBL-THIS-CLR
FDNS	03G11_008		2 14G	G11_008	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	153.0	DBL-THIS-CLR
FDNS		3	2 14G	G11_008	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	146.7	DBL-THIS-CLR
FDNS	03G11_008		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	240.9	DBL-WICH-THI
FDNS		3	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	233.9	DBL-WICH-THI
FDNS		02ALL	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	226.9	DBL-WICH-THI
FDNS		2	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	199.1	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.060	191.5	DBL-WICH-THI
FDNS		1	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.060	170.8	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.032	166.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.032	166.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_008		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	146.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_008		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	146.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		3	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	142.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	142.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	134.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	134.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL		2 14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.035	120.8	DBL-SPRVL-CL



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		2	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.033	120.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.033	120.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		01ALL	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.032	117.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.032	117.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03G11_008	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.035	109.7	DBL-SPRVL-CL
FDNS		1	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.032	107.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.032	107.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		3	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.035	105.7	DBL-SPRVL-CL
FDNS		03G11_008	2	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1		110	0.035	101.7	DBL-IRON-CLR
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1		115.1	0.038	147.8	DBL-THIS-CLR
FDNS		3	2	14G	G11_008	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1		115.1	0.038	141.6	DBL-THIS-CLR
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.134	148.2	DBL-THIS-CLR
FDNS		3	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.134	141.6	DBL-THIS-CLR
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	133.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.077	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.092	123.0	DBL-WICH-THI
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.078	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.078	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS		3	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.092	118.9	DBL-WICH-THI
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.064	116.7	DBL-BVR-WWRD
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.069	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.069	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.066	116.0	MINGO - SETAB 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.067	114.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.065	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.066	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	113.6	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.065	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.089	111.6	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.064	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.055	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.071	110.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.055	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS		3	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.101	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS		03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.078	109.0	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.8	BEELER - NESS CITY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.6	GEN542962 2-IATAN UNIT #2
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.3	GEN542957 1-IATAN UNIT #1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.062	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	108.0	CRCK 3 115.00 - CUDAHY 115KV CKT 1
FDNS		03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1		318.7	0.063	108.0	FLATRDG3 - HARPER 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.9	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.7	GEN542951 5-HAWTHORN UNIT #5	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.7	HARPER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.6	COLBY - MINGO 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.6	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.6	GEN560140 1-G09-08 0.7000	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.6	GEN542956 2-LACYGNE UNIT #2	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.4	GEN530594 01-SMKYP1G1 0.6900	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	107.4	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.4	GEN645001 1-FORT CALHOUN 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	107.3	HEIZER - LACROSSE TAP 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	106.3	BASE CASE	
FDNS	3	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	105.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.3	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.2	GEN599891 1-OKLAUN	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	GEN523461 1-BLACKHAWK GEN #1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.1	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	105.0	GEN526334 1-JONES 4 116.500	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.9	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.9	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.8	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	104.8	HUNTSVILLE - ST_JOHN 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	104.7	RUSSELL - WALDO 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.5	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	104.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.3	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.3	GEN539762 1-SSWIND 1 34.500	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	104.1	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	103.9	ST JOHN - ST JOHN 115KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.9	GEN560522 1-G05-12-2 0.6900	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.7	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	103.7	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.6	GEN539785 1-ENSGW 1 0.5750	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TC%LOADING TDF (% MVA)	CONTINGENCY	
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	103.0	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	101.9	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	101.9	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	100.9	SEWARD - ST JOHN 115KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	100.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_008	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	100.3	GEN560549 1-G06-06 0.6900
FDNS	03G11_008	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.091	117.0	DBL-THIS-CLR
FDNS	3	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.091	112.2	DBL-THIS-CLR
FDNS	03ALL	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.057	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_008	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.068	107.3	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.050	104.8	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_008	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.068	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.049	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.049	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.040	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.041	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.051	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.041	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_008	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.040	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.129	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.062	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.062	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	116.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	116.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	104.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.033	104.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.071	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	118.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	115.5	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.0	BASE CASE
FDNS	1	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	112.7	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.7	DBL-BVR-WWRD
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.3	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.5	SPP-SWPS-Q2A
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.0	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.7	GEN515397 1-OUSPRT 1 34.500
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_008	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	165.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.8	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.5	DBL-BVR-WWRD
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.8	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.3	GEN514805 1-SOONER UNIT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.7	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.9	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.5	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.8	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	3TERM7
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	FREEDOM - WEST 69KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN542962 2-IATAN UNIT #2
FNSL	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.7	GEN645001 1-FORT CALHOUN 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.0	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.5	BASE CASE
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.6	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	GEN515397 1-OUSPRT 1 34.500
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.4	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.1	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.3	SPP-SWPS-03
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.6	FT SUPPLY - IODINE 138KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.2	GEN515365 1-CENT 21 34.500
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.6	GEN515393 1-OGWIND2G
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.2	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.2	GEN562026 1-G11_019_3 0.6900
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.0	SPP-SWPS-02A
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	GEN515389 1-TLGAWND1 34.500
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.7	GEN514805 1-SOONER UNIT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.7	DBL-BVR-WWRD
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.4	GEN514806 1-SOONER UNIT 2
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	SPP-SWPS-04

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.2	CARTER ICT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	SPP-AEPW-32
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	GEN515226 1-MUSKOGEE 6G
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	SPP-SWPS-02
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	RENFROW4 138.00 - SAND RDG_ 138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	CARTER ICT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN560429 1-G08-29 0.6400
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	3TERM7
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	GEN560121 1-G08-47 0.5750
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN542957 1-IATAN UNIT #1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN527162 1-MUSTANG GEN #2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	GEN527161 1-MUSTANG GEN #1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN562020 1-G11_021_3 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	EASTDC - WELSH 345KV CKT 1
FNLS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNLS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN526334 1-JONES_4 116.500
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	GEN542962 2-IATAN UNIT #2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	GEN645001 1-FORT CALHOUN 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.4	GEN560648 1-G07-21 0.5750
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.1	GEN515397 1-OUSPR1 34.500
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_008	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	102.8	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	211.7	DBL-WICH-THI
FDNS		1	2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.062	187.9	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	126.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	126.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_008	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.033	114.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		0	24SP	G11_011		TO->FROM	CHARLOT5 161.00 - NORTHEAST 161KV CKT 1	259	0.041	107.9	IATAN - STRANGER CREEK 345KV CKT 1
FDNS	00G11_011		0	24SP	G11_011	TO->FROM	CHARLOT5 161.00 - NORTHEAST 161KV CKT 1	259	0.041	107.9	IATAN - STRANGER CREEK 345KV CKT 1
FDNS	01ALL		0	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.041	106.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		0	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.041	102.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL		0	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.042	100.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL		0	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.044	100.8	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_014	TO->FROM	CIRCLE - MULLEREGREN 230KV CKT 1	318.7	0.045	116.7	DBL-WICH-THI
FDNS	03ALL		0	14G	G11_014	TO->FROM	CIRCLE - MULLEREGREN 230KV CKT 1	318.7	0.040	105.5	DBL-BVR-WWRD
FDNS		3	0	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	122.6	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	115.0	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	112.0	DBL-WICH-THI
FDNS	02G11_014		0	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	105.5	DBL-WICH-THI
FDNS		2	0	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	100.9	DBL-WICH-THI
FDNS		3	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	225.1	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	211.9	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	206.5	DBL-WICH-THI
FDNS	02G11_014		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	195.3	DBL-WICH-THI
FDNS		2	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	187.4	DBL-WICH-THI
FDNS		1	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	181.9	DBL-WICH-THI
FDNS	00NR		0	14WP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	146.9	DBL-WICH-THI
FDNS	04ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	143.3	DBL-WICH-THI
FDNS	00NR		0	19WP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	139.3	DBL-WICH-THI
FDNS	06ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	132.8	DBL-WICH-THI
FDNS		6	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	127.1	DBL-WICH-THI
FDNS	00NR		0	14SP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	122.8	DBL-WICH-THI
FDNS	09ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	117.0	DBL-WICH-THI
FDNS	00NR		0	19SP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	116.7	DBL-WICH-THI
FDNS		9	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	113.8	DBL-WICH-THI
FDNS	13ALL		0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	112.6	DBL-WICH-THI
FDNS		13	0	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	112.3	DBL-WICH-THI
FDNS	00G11_014		0	14WP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	107.4	DBL-WICH-THI
FDNS		1	0	14G	G11_014	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.032	100.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0	14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	116.3	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		02ALL	0 14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	112.0	DBL-WICH-THI
FDNS	02G11_014		0 14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	102.0	DBL-WICH-THI
FDNS		1	0 14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.058	100.3	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	140.2	DBL-WICH-THI
FDNS		1	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	123.5	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	121.8	DBL-HTCH-BVR
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	120.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	118.3	GEN520997 1-MORLND2
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	116.8	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	116.1	BASE CASE
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02G11_014		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.6	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	113.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	112.9	GEN515389 1-TLGAWND1 34.500
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	112.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	111.9	GEN514805 1-SOONER UNIT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_014		0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	111.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.8	GEN514806 1-SOONER UNIT 2
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.6	MINGO - SETAB 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		02ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.2	BENTON - WICHITA 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.0	GEN521120 1-BUFBEAR2
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515225 1-MUSKOGEE 5G
FDNS		01ALL	0 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515226 1-MUSKOGEE 6G

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN526334 1-JONES 4 116.500
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	106.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	105.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	105.0	GEN560648 1-G07-21 0.5750	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	105.0	GEN5659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	104.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.1	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.9	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.5	GEN515397 1-OUSPR1 34.500	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.4	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.4	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.3	GEN560282 1-G08-19 0.6000	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.1	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560224 1-G07-62-4 0.6900	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.7	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.5	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02G11_014	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	102.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.2	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	102.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	3	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.9	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	101.8	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	101.2	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	1	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.9	GEN515365 1-CENT 21 34.500	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.7	GEN515393 1-OGEWND2G	
FDNS	02G11_014	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	100.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	215.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	203.2	DBL-WICH-THI	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	203.1	DBL-WICH-THI	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	198.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	189.9	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	188.1	BASE CASE	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	187.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	182.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	180.7	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	180.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	178.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	176.9	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	174.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	174.0	DBL-WICH-THI
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	173.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	173.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	172.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	171.9	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	171.0	BASE CASE
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	169.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	168.5	BASE CASE
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	168.3	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	168.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	167.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	166.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.3	GEN515042 1-SEMINOLE 3G
FNSL	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	166.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.2	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.1	FLATRDRG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	165.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	164.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	164.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	163.2	DBL-IRON-CLR
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	162.6	DBL-THIS-CLR
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.9	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.4	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.2	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN542962 2-IATAN UNIT #2
FNSL	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.1	DOVER - DOVER SW 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	161.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	161.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN515393 1-OGEWND2G
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN515365 1-CENT 21 34.500
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.2	GEN523122 1-NBLWND-WTG210.6900
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN645012 2-NEBRASKA CITY 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN523121 1-NBLWND-WTG110.6900
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	160.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	160.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.0	GEN523123 1-NBLWND-WTG610.6900
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	159.9	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	159.7	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.7	GEN526334 1-JONES_4 116.500
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.6	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN560429 1-G08-29 0.6400
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.1	GEN560586 1-G06-44-4 4.1600
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.0	BASE CASE
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	158.7	GEN560585 1-G06-44-3 4.1600
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	157.1	GEN515389 1-TLGAWND1 34.500
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.2	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.1	BASE CASE
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	GEN560287 1-G10-01-2WTG 0.6900
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.7	GEN560371 1-G07-46 0.6900
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.4	GEN560256 1-G10-14-1 0.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.2	GEN560257 1-G10-14-2 0.6900
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	154.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	153.6	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	153.4	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.3	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.6	MINGO - SETAB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.6	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.4	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.1	MINGO - SETAB 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.0	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.9	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.7	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.6	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	151.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.6	GEN521120 1-BUFBEAR2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.5	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.4	GEN514806 1-SOONER UNIT 2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.4	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.4	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.3	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN520947 1-HUGO1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	150.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.7	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.7	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.7	GEN336153 1-WATERFORD UNIT#3	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.5	GEN520922 1-SLEEPING BEAR	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.4	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.4	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.2	GEN562017 1-G11_022_3 0.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.1	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.8	BENTON - WICHITA 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.7	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.6	GEN515226 1-MUSKOGEE 6G	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.4	GEN509416 1-TURK GENERATION	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.4	GEN520947 1-HUGO1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.4	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.3	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	GEN515225 1-MUSKOGEE 5G	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	GEN515223 1-MUSKOGEE 4G	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.2	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.1	GEN562020 1-G11_021_3 0.6900
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.1	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN509403 1-PIRKEY GENERATION
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509406 1-WELSH #3
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509405 1-WELSH #2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509404 1-WELSH #1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509394 1-FLINT CREEK
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN501801 1-DOLET HILLS UNIT1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.8	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	148.7	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	148.7	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.7	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	148.6	SOONER - WOODRING 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	146.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN562020 1-G11_021_3 0.6900
FNLS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.0	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.0	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.9	GEN645001 1-FORT CALHOUN 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN515449 1-CRSRDW11 0.6900	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.5	GEN515450 1-CRSRDW21 0.6900	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.4	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	145.3	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.2	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.0	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.0	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	144.9	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	144.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.4	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.2	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN542957 1-IATAN UNIT #1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN659111 2-LELAND OLDS UNIT2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.0	GEN515365 1-CENT 21 34.500	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN515393 1-OGEWND2G	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN523122 1-NBLWND-WTG210.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN523121 1-NBLWND-WTG110.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN542962 2-IATAN UNIT #2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN560584 1-G06-44-2 4.1600	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN523123 1-NBLWND-WTG310.6900	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.7	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN523462 1-BLACKHAWK GEN #2	
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.6	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN645001 1-FORT CALHOUN 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN562023 1-G11_020_3 0.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN562026 1-G11_019_3 0.6900	
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.6	BASE CASE	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.5	EASTDC - WELSH 345KV CKT 1	
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.4	BENTON - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.4	MULLERGRN - SPEARVILLE 230KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.3	GEN527162 1-MUSTANG GEN #2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.3	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.2	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.2	GEN560586 1-G06-44-4 4.1600	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.1	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.0	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.0	GEN515787 1-OKLA WIND ENERGY CENTER	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN514806 1-SOONER UNIT 2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN526334 1-JONES_4 116.500
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	142.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN560585 1-G06-44-3 4.1600
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.8	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	GEN645012 2-NEBRASKA CITY 2
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.5	GEN560648 1-G07-21 0.5750
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.4	GEN514805 1-SOONER UNIT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.2	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.1	GEN560429 1-G08-29 0.6400
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.1	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.8	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.0	DBL-HTCH-BVR
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	141.0	DBL-THIS-CLR
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN560371 1-G07-46 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.8	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.7	GEN560256 1-G10-14-1 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN560257 1-G10-14-2 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN509403 1-PIRKEY GENERATION
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN336821 1-GRAND GULF UNIT
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509404 1-WELSH #1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.2	GEN515397 1-OUSPRT 1 34.500
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.1	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	139.9	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.7	GEN520922 1-SLEEPING BEAR
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.6	GEN560175 1-G07-44 0.5750
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.4	GEN560282 1-G08-19 0.6000
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.4	GEN520997 1-MORLND2
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	138.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN515042 1-SEMINOLE 3G
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN509416 1-TURK GENERATION
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.6	BENTON - WICHITA 345KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN515226 1-MUSKOGEE 6G
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN520947 1-HUGO1
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560224 1-G07-62-4 0.6900
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.3	GEN515225 1-MUSKOGEE 5G
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.3	GEN515223 1-MUSKOGEE 4G
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	GEN336821 1-GRAND GULF UNIT
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_014	0	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	GEN509403 1-PIRKEY GENERATION
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	138.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509406 1-WELSH #3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509405 1-WELSH #2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509404 1-WELSH #1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN515041 1-SEMINOLE 2G
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.9	GEN509394 1-FLINT CREEK
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	137.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.5	GEN562042 1-G11_014_3 0.6900
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	137.4	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.1	DOVER SW - OKEENE 138KV CKT 1
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.8	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560221 1-G07-62-1 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560222 1-G07-62-2 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560223 1-G07-62-3 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560224 1-G07-62-4 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN531208 1-FLTRDG-WG1 0.6000
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN562017 1-G11_022_3 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN560267 1-G10-15-1 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN542957 1-IATAN UNIT #1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN539762 1-SSWIND 1 34.500
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN531459 2-S2 GENERATOR
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN560268 1-G10-15-2 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN539785 1-ENSNGW 1 0.5750
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.8	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN560121 1-G08-47 0.5750
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN523461 1-BLACKHAWK GEN #1
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN562020 1-G11_021_3 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN659111 2-LELAND OLDS UNIT2
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN515365 1-CENT 21 34.500
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN542962 2-IATAN UNIT #2
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN560696 1-G11-008-4 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN527162 1-MUSTANG GEN #2
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN527161 1-MUSTANG GEN #1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	EASTDC - WELSH 345KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	GEN515393 1-OGEWND2G
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.4	GEN515365 1-CENT 21 34.500
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.2	GEN526334 1-JONES_4 116.500
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	135.1	DBL-HTCH-BVR
FDNS		02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	135.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	135.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	134.7	GEN515393 1-OGEWND2G
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.7	GEN560514 1-G04_014 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.6	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.5	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.3	GEN560238 1-G10-09 0.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	133.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN560659 1-G07-38 0.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN560432 1-G08-124 0.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.6	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN531503 1-CIMRRN 1 34.500
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560693 1-G11-008-1 0.6900
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN560121 1-G08-47 0.5750
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN542957 1-IATAN UNIT #1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN515365 1-CENT 21 34.500
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.0	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.0	GEN562026 1-G11_019_3 0.6900	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.0	GEN515393 1-OGEWND2G
FDNS	04ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	BASE CASE
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.8	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.8	GEN527161 1-MUSTANG GEN #1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.8	GEN527162 1-MUSTANG GEN #2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.7	GEN560586 1-G06-44-4 4.1600
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.4	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.1	GEN523117 1-BUFF_DUNES210.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.1	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN562032 1-G11_017_3 0.6900	
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.7	MOORELAND - NINE MILE 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.4	GEN514805 1-SOONER UNIT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.2	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.7	GEN560371 1-G07-46 0.6900
FDNS	02G11_014	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	130.7	DBL-HTCH-BVR	
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.3	GEN560257 1-G10-14-2 0.6900
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.3	DOVER SW - OKEENE 138KV CKT 1	
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_014		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.4	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	129.4	GEN514806 1-SOONER UNIT 2
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.2	GEN562042 1-G11_014_3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	128.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.2	MINGO - SETAB 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02G11_014		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.5	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	127.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.4	GEN509416 1-TURK GENERATION
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	127.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN520947 1-HUGO1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_014		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_014		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN521120 1-BUFBEAR2
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.2	GEN515223 1-MUSKOGEE 4G
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.1	GEN515225 1-MUSKOGEE 5G
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.1	GEN509403 1-PIRKEY GENERATION
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.0	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509406 1-WELSH #3
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509405 1-WELSH #2



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509404 1-WELSH #1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	126.7	DOVER SW - OKEENE 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.6	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.2	GEN562020 1-G11_021_3 0.6900
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.2	GEN560121 1-G08-47 0.5750
FDNS	02G11_014		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	125.7	GEN560429 1-G08-29 0.6400
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	125.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.9	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		4	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	GEN542957 1-IATAN UNIT #1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN562017 1-G11_022_3 0.6900
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	122.7	STATLINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN560121 1-G08-47 0.5750
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN542962 2-IATAN UNIT #2
FNSL		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN527162 1-MUSTANG GEN #2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN527161 1-MUSTANG GEN #1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS		2	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN562020 1-G11_021_3 0.6900
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.4	GEN514805 1-SOONER UNIT 1
FDNS	03ALL		0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.3	GEN526334 1-JONES 4 116.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.3	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	122.0	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	121.8	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	121.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	121.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	120.3	MINGO - SETAB 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.2	GEN514806 1-SOONER UNIT 2
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.2	GEN560648 1-G07-21 0.5750
FDNS	2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.6	GEN520922 1-SLEEPING BEAR
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	119.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	GEN515226 1-MUSKOGEE 6G
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	GEN509416 1-TURK GENERATION
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.3	GEN515397 1-OSPRT 1 34.500
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	GEN336821 1-GRAND GULF UNIT
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	GEN520947 1-HUGO1
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.2	GEN336153 1-WATERFORD UNIT#3
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	GEN515225 1-MUSKOGEE 5G
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	GEN515223 1-MUSKOGEE 4G
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.0	GEN560175 1-G07-44 0.5750
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.0	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.9	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509406 1-WELSH #3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509405 1-WELSH #2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509404 1-WELSH #1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GEN515042 1-SEMINOLE 3G
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560224 1-G07-62-4 0.6900
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	115.9	DBL-HTCH-BVR
FDNS		2	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	115.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		04ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		6	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		04ALL	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.3	GEN515365 1-CENT 21 34.500
FDNS		4	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.2	DBL-WICH-THI
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.8	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560221 1-G07-62-1 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560222 1-G07-62-2 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560223 1-G07-62-3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN562017 1-G11_022_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN542957 1-IATAN UNIT #1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.4	GEN531459 2-S2 GENERATOR
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.4	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.4	GEN523461 1-BLACKHAWK GEN #1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN560121 1-G08-47 0.5750
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN562020 1-G11_021_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN542962 2-IATAN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN542902 1-GPW_G1 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN560695 1-G11-008-3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN560514 1-G04_014 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	DBL-WICH-THI
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN645001 1-FORT CALHOUN 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN515365 1-CENT 21 34.500
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN560694 1-G11-008-2 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	113.0	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.8	GEN539807 1-G05-12 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.8	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	00NR		0	19SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	112.6	DBL-WICH-THI
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.0	GEN520997 1-MORLND2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.4	DBL-SPRVL-CL
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.0	GEN562032 1-G11_017_3 0.6900
FDNS		1	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	110.2	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	110.1	MOORELAND - TALOGA 138KV CKT 1
FNLS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		9	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL		0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		3	0	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	108.9	DEWEY - SOUTHARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	108.8	DBL-IRON-CLR
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	108.2	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	108.2	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	107.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	107.3	DEWEY - IODINE 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	107.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.9	GEN560429 1-G08-29 0.6400
FDNS		06ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.7	GEN520997 1-MORLND2
FDNS		4	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.6	GEN520997 1-MORLND2
FDNS		4	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	106.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	105.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		06ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.1	DBL-WICH-THI
FDNS		4	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		06ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	103.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	103.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	103.0	DBL-HTCH-BVR
FDNS		00NR	0 14SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	102.8	DBL-WICH-THI
FDNS		6	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	102.4	GEN520997 1-MORLND2
FDNS		00NR	0 14WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.090	102.4	DBL-WICH-THI
FDNS		09ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.2	DBL-WICH-THI
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	102.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	101.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	101.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	101.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		06ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		4	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	100.4	BASE CASE
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		04ALL	0 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	100.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		3	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	235.7	DBL-WICH-THI
FDNS		02ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	224.6	DBL-WICH-THI
FDNS		01ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	217.1	DBL-WICH-THI
FDNS		02G11_014	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	205.8	DBL-WICH-THI
FDNS		2	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	197.9	DBL-WICH-THI
FDNS		1	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	192.5	DBL-WICH-THI
FDNS		00NR	0 14WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	157.2	DBL-WICH-THI
FDNS		04ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	153.8	DBL-WICH-THI
FDNS		00NR	0 19WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	150.6	DBL-WICH-THI
FDNS		06ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	143.4	DBL-WICH-THI
FDNS		6	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	137.7	DBL-WICH-THI
FDNS		00NR	0 14SP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	137.2	DBL-WICH-THI
FDNS		00NR	0 19SP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	131.4	DBL-WICH-THI
FDNS		09ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	127.6	DBL-WICH-THI
FDNS		9	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	124.4	DBL-WICH-THI
FDNS		13ALL	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	123.2	DBL-WICH-THI
FDNS		13	0 14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	122.9	DBL-WICH-THI
FDNS		00G11_014	0 14WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	117.7	DBL-WICH-THI
FDNS		00G11_014	0 19WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	109.4	DBL-WICH-THI
FDNS		00G11_014	0 24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	107.7	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00G11_014	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	107.5	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00G11_014	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	105.3	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_014	0	24SP	G11_014	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	105.2	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_014	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.045	124.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_014	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.030	124.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.036	120.7	DBL-BVR-WWRD
FDNS	3	0	14G	G11_014	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.249	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.216	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.216	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.284	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.202	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.202	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.211	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.207	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.207	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_014	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.204	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_014	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.032	104.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.039	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.039	108.0	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_014	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_014	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.068	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.064	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	104.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_014	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.068	101.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.062	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.447	200.0	DBL-BVR-WWRD
FDNS	02NR	2	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.501	195.0	DBL-BVR-WWRD
FDNS	2	2	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.448	182.3	DBL-BVR-WWRD
FDNS	02ALL	2	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.185	116.4	DBL-HTCH-BVR
FDNS	02G11_014	2	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.185	101.4	DBL-HTCH-BVR
FDNS	01ALL	2	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	105.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.039	103.4	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	101.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	3	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.039	119.2	DBL-THIS-CLR
FDNS	3	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.054	111.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.038	105.7	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.031	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.031	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.034	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.049	102.2	DBL-BVR-WWRD
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	2	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	116.3	DBL-WICH-THI
FDNS	02G11_014	2	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	106.6	DBL-WICH-THI
FDNS	02NR	2	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.051	105.3	DBL-WICH-THI
FDNS	2	2	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	101.7	DBL-WICH-THI
FDNS	3	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	214.2	DBL-WICH-THI
FDNS	02G11_014	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	197.3	DBL-WICH-THI
FDNS	02NR	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	195.0	DBL-WICH-THI
FDNS	2	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	188.6	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.038	180.9	DBL-WICH-THI
FDNS	1	2	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.038	160.2	DBL-WICH-THI
FDNS	1	2	14G	G11_014	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.031	100.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.055	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.051	101.6	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.055	100.5	DBL-WICH-THI
FDNS	1		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.1	DBL-TGA-MATT
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	119.9	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	116.8	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	114.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	110.5	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	107.5	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	105.0	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02G11_014		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.4	GEN520997 1-MORLND2
FDNS	2		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	103.4	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.9	DBL-HTCH-BVR
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.1	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL		2 14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	217.7	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	207.0	DBL-TGA-MATT
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	204.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	197.2	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	191.6	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	186.8	DBL-WICH-THI
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	186.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	183.7	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	175.5	BASE CASE
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	174.6	WOODWARD - WOODWARD 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	172.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	171.4	GEN520997 1-MORLND2
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	169.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.9	BASE CASE
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	167.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.0	GEN520997 1-MORLND2
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	162.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	162.3	DBL-WICH-THI
FDNS	2	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	161.4	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	159.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	159.6	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	159.4	BASE CASE
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	158.9	GEN520997 1-MORLND2
FDNS	2	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	158.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_014	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	158.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	158.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.6	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.8	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.5	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.4	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.8	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.8	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.7	GEN520947 1-HUGO1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.7	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN336821 1-GRAND GULF UNIT	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.3	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509406 1-WELSH #3	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509405 1-WELSH #2	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509404 1-WELSH #1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.1	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.8	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	154.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	154.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.7	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	154.6	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.1	MINGO - SETAB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.9	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.8	DEWEY - TALOGA 138KV CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	152.2	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.1	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.1	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.8	GEN520997 1-MORLND2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.0	BENTON - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN514806 1-SOONER UNIT 2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.7	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.4	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.4	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.3	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.3	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	DOVER - DOVER SW 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.2	MULLERGREY - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	CIRCLE - MULLERGREY 230KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.9	GEN523462 2-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.8	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.7	KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN523122 1-NBLWND-WTG10.6900
FNSL	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN523121 1-NBLWND-WTG10.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.5	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.5	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.4	GEN523123 1-NBLWND-WTG10.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	149.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.4	GEN645001 1-FORT CALHOUN 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.3	BASE CASE
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.2	GEN526334 1-JONES_4 116.500
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.3	KNOLL 230 - SMOKYHLE 230.00 230KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.3	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509404 1-WELSH #1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	MOORELAND - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN336821 1-GRAND GULF UNIT
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	146.2	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	145.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	GEN560371 1-G07-46 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	145.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.5	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.9	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.6	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.5	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN560121 1-G08-47 0.5750
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.5	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN539762 1-SSWIND 1 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN515365 1-CENT 21	34.500
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN539785 1-ENSNW 1	0.5750
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN560267 1-G10-15-1	0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN560268 1-G10-15-2	0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.3	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN526334 1-JONES_4	116.500
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN515393 1-OGEWND2G	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN560696 1-G11-008-4	0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	142.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN562023 1-G11_020_3	0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN562026 1-G11_019_3	0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.8	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.6	HOLCOMB - SETAB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN520922 1-SLEEPING BEAR	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN560695 1-G11-008-3	0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN542902 1-GPW_G1	0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.2	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN560694 1-G11-008-2	0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN560514 1-G04_014	0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.0	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.9	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.7	GEN515042 1-SEMINOLE 3G	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.7	BENTON - WICHITA 345KV CKT 1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.7	GEN509416 1-TURK GENERATION	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.6	GEN539807 1-G05-12	0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.6	GEN520947 1-HUGO1	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.6	GEN515226 1-MUSKOGEE 6G	
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.6	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	GEN560429 1-G08-29	0.6400

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN515225 1-MUSKOGEE 5G
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN515223 1-MUSKOGEE 4G
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN562017 1-G11_022_3 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	FLATRDRG3 - HARPER 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509406 1-WELSH #3
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509405 1-WELSH #2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509404 1-WELSH #1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN515041 1-SEMINOLE 2G
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.0	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN560659 1-G07-38 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN560432 1-G08-124 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.8	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN560549 1-G06-06 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.6	HARPER - MILAN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.5	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.5	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.4	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN531503 1-CIMRRN 1 34.500
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	139.8	BASE CASE
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	139.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	BASE CASE
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	139.0	DBL-HTCH-BVR
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	138.7	DBL-WICH-THI
FNSL	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	138.1	CLEO CORNER - MEN TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	137.8	DEWEY - IODINE 138KV CKT 1	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.6	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.6	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.5	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN560584 1-G06-44-2 4.1600	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.4	DOVER - DOVER SW 138KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	GEN523462 1-BLACKHAWK GEN #2	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.2	EASTDC - WELSH 345KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.2	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN515365 1-CENT 21 34.500	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN542957 1-IATAN UNIT #1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN659111 2-LELAND OLDS UNIT2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN527161 1-MUSTANG GEN #1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN527162 1-MUSTANG GEN #2	
FDNS	3		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.9	GEN560586 1-G06-44-4 4.1600	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.9	GEN515393 1-OGEWND2G	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN542962 2-IATAN UNIT #2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.7	GEN562023 1-G11_020_3 0.6900	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.7	GEN562026 1-G11_019_3 0.6900	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.6	GEN520997 1-MORLND2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN526334 1-JONES 4 116.500	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN560585 1-G06-44-3 4.1600	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.6	DEWEY - TALOGA 138KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.5	GEN645001 1-FORT CALHOUN 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.4	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.0	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02G11_014		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.8	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	2		2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.7	MINGO - SETAB 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	134.6	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.5	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.4	GEN645012 2-NEBRASKA CITY 2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.1	GEN560429 1-G08-29 0.6400
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.0	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.0	GEN560371 1-G07-46 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.8	GEN560256 1-G10-14-1 0.6900
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.6	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	IODINE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.1	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.1	GEN560287 1-G10-01-2WTG 0.6900
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.8	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	132.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN520947 1-HUGO1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN515226 1-MUSKOGEE 6G
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	132.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.5	BENTON - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN336821 1-GRAND GULF UNIT
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN515223 1-MUSKOGEE 4G
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.3	GEN509403 1-PIRKEY GENERATION
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509406 1-WELSH #3
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509405 1-WELSH #2
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509404 1-WELSH #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.1	GEN515041 1-SEMINOLE 2G
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.8	SOONER - WOODRING 345KV CKT 1
FDNS		02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	131.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.3	GEN562042 1-G11_014_3 0.6900
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	130.8	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.7	GEN562017 1-G11_022_3 0.6900
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	129.9	GEN515389 1-TLGAWND1 34.500
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	129.5	DOVER SW - OKEENE 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.5	GEN531447 1-HOLCOMB GENERATOR
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	129.2	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	129.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		02ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	128.7	DBL-HTCH-BVR
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.2	GEN514805 1-SOONER UNIT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.1	GEN562020 1-G11_021_3 0.6900
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.0	GEN560121 1-G08-47 0.5750
FDNS		02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.7	EASTDC - WELSH 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.7	DOVER - DOVER SW 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.4	GEN542957 1-IATAN UNIT #1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN527161 1-MUSTANG GEN #1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN527162 1-MUSTANG GEN #2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN515365 1-CENT 21 34.500
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN560586 1-G06-44-4 4.1600



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN542962 2-IATAN UNIT #2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN515393 1-OGEWIND2G
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN560585 1-G06-44-3 4.1600
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN526334 1-JONES_4 116.500
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.9	GEN514805 1-SOONER UNIT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.8	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	126.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.1	MINGO - SETAB 345KV CKT 1
FDNS	02G11_014		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	126.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.0	GEN514806 1-SOONER UNIT 2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.4	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.3	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_014		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	125.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	125.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.1	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.0	GEN514806 1-SOONER UNIT 2
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	02G11_014		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	124.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_014		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	124.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.5	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL		2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.5	GEN521120 1-BUFBEAR2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.4	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.3	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN562042 1-G11_014_3 0.6900
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN515226 1-MUSKOGEE 6G
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.1	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	GEN515225 1-MUSKOGEE 5G
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	GEN336821 1-GRAND GULF UNIT
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509406 1-WELSH #3
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509405 1-WELSH #2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509404 1-WELSH #1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	GRACEMONT - MINCO 345KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	GEN515042 1-SEMINOLE 3G
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.5	GEN520997 1-MORLND2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.4	GEN509394 1-FLINT CREEK
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.3	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.1	DBL-HTCH-BVR
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	122.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.2	GEN562017 1-G11_022_3 0.6900
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.6	GEN560121 1-G08-47 0.5750
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.3	GEN562020 1-G11_021_3 0.6900
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.9	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	120.4	CEDARDALE - OKEENE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	120.2	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	119.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	FREEDOM - WEST 69KV CKT 1
FNSL	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.4	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.4	GEN527162 1-MUSTANG GEN #2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.4	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN645001 1-FORT CALHOUN 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN560121 1-G08-47 0.5750
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN526334 1-JONES_4 116.500
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	EASTDC - WELSH 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.1	BUFFALO - WEST 69KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	119.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN527161 1-MUSTANG GEN #1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN527162 1-MUSTANG GEN #2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN531459 2-S2 GENERATOR
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	119.0	DOVER - DOVER SW 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.9	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN526334 1-JONES_4 116.500
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN515365 1-CENT 21 34.500
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN542902 1-GPW_G1 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN560695 1-G11-008-3 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	GEN645012 2-NEBRASKA CITY 2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN542962 2-IATAN UNIT #2
FDNS	02G11_014	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN560514 1-G04_014 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN560694 1-G11-008-2 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN515393 1-OGEWND2G
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN562023 1-G11_020_3 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN562026 1-G11_019_3 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN539807 1-G05-12 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.2	GEN560648 1-G07-21 0.5750
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	GEN560238 1-G10-09 0.6900
FDNS		1	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.0	SAND_RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	BASE CASE
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.8	GEN560659 1-G07-38 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN562035 1-G11_016_3 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN560432 1-G08-124 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN560693 1-G11-008-1 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN520922 1-SLEEPING BEAR
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.6	GEN560549 1-G06-06 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN560329 1-G10-45 0.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		02NR	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	DBL-HTCH-BVR
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560429 1-G08-29 0.6400
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.7	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.4	DEWEY - TALOGA 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.3	GEN562032 1-G11_017_3 0.6900
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.2	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2 14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	114.8	MOORELAND - NINE MILE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	113.7	GEN515397 1-OU SPRT 1 34.500
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	113.7	DBL-HTCH-BVR
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	113.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	112.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560224 1-G07-62-4 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.4	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.2	DBL-HTCH-BVR
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	112.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	111.5	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.6	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	110.0	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.4	GEN515389 1-TLGAWND1 34.500
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.7	GEN515365 1-CENT 21 34.500
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	108.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.3	GEN515393 1-OGEWND2G
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.1	GEN514805 1-SQNER UNIT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.0	GEN562026 1-G11_019_3 0.6900
FDNS	3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	107.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	106.1	GEN514806 1-SOONER UNIT 2
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	105.8	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.9	GEN521120 1-BUFBEAR2
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.9	MINGO - SETAB 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.7	GEN515226 1-MUSKOGEE 6G
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.5	GEN520947 1-HUGO1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.5	GEN509416 1-TURK GENERATION
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	104.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		01ALL	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	103.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	GEN542962 2-IATAN UNIT #2
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.5	BUFFALO - WEST 69KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	GEN562020 1-G11_021_3 0.6900
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	GEN526334 1-JONES_4 116.500
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.2	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN560648 1-G07-21 0.5750
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		02G11_014	2	14G	G11_014	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.057	101.3	DBL-BVR-WWRD
FDNS		3	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	233.9	DBL-WICH-THI
FDNS		02ALL	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	226.9	DBL-WICH-THI
FDNS		02G11_014	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	207.8	DBL-WICH-THI
FDNS		02NR	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	205.5	DBL-WICH-THI
FDNS		2	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	199.1	DBL-WICH-THI
FDNS		01ALL	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.038	191.5	DBL-WICH-THI
FDNS		1	2	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.038	170.8	DBL-WICH-THI
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	141.6	DBL-THIS-CLR
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	125.7	DBL-SPRVL-CL
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS		3	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	118.9	DBL-WICH-THI
FDNS		3	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	118.3	DBL-IRON-CLR
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.049	116.7	DBL-BVR-WWRD
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	116.0	MINGO - SETAB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS	3	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	108.8	BEELER - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.0	CRCKC 3 115.00 - CUDAHY 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.7	GEN542951 5-HAWTHORN UNIT #5
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	COLBY - MINGO 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN560140 1-G09-08 0.7000
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.3	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	BASE CASE

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TC%LOADING TDF (% MVA)	CONTINGENCY	
FDNS		3	2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN599891 1-OKLAUN
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MULLERGREN (MULGRENE6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.0	GEN526334 1-JONES_4 116.500
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN531459 2-S2 GENERATOR
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.7	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.1	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.9	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.9	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.7	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	103.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.6	GEN539785 1-ENSGW 1 0.5750
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.3	GEN523117 1-BUFF DUNES210.6900
FDNS		3	2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	102.2	DBL-SPRVL-CL
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.9	SEWARD - ST JOHN 115KV CKT 1
FDNS	02ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	100.9	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL		2 14G	G11_014	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.3	GEN560549 1-G06-06 0.6900



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2	14G	G11_014	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.031	103.5	DBL-TGA-MATT
FDNS		3	2	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.035	112.2	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.035	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL		2	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	104.8	CIRCLE - MULLERGREY 230KV CKT 1
FDNS		3	2	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.046	104.2	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_014	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	101.3	DBL-SPRVL-CL
FDNS	03ALL		2	14G	G11_014	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL		2	14G	G11_014	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL		2	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL		2	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.063	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.060	105.9	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.063	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_014	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR		3	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.502	195.9	DBL-BVR-WWRD
FDNS	02NR		3	14G	G11_014	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.248	105.3	DBL-TGA-MATT
FDNS	02NR		3	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	175.6	DBL-WICH-THI
FDNS	00NR		3	14WP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	134.2	DBL-WICH-THI
FNSL	00NR		3	19WP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	126.1	DBL-WICH-THI
FDNS	00NR		3	14SP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	111.7	DBL-WICH-THI
FDNS	00NR		3	19SP	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	105.0	DBL-WICH-THI
FDNS	02NR		3	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	111.6	DBL-TGA-MATT
FDNS	02NR		3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	199.0	DBL-TGA-MATT
FDNS	02NR		3	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	160.7	DBL-WICH-THI
FDNS	00NR		3	19SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.100	114.2	DBL-TGA-MATT
FNSL	00NR		3	14WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.097	107.7	DBL-TGA-MATT
FDNS	00NR		3	14SP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	104.8	DBL-TGA-MATT
FNSL	00NR		3	19WP	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.099	102.3	DBL-TGA-MATT
FDNS	02NR		3	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	186.1	DBL-WICH-THI
FDNS	00NR		3	14WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	144.5	DBL-WICH-THI
FNSL	00NR		3	19WP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	137.4	DBL-WICH-THI
FDNS	00NR		3	14SP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	126.2	DBL-WICH-THI
FDNS	00NR		3	19SP	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	119.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	106.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		2A	14G	G11_014	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	102.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL		2A	14G	G11_014	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.157	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	108.9	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	201.2	DBL-WICH-THI
FDNS	1		2A	14G	G11_014	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	177.3	DBL-WICH-THI
FDNS	1		2A	14G	G11_014	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.031	100.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.056	112.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	135.1	DBL-WICH-THI
FDNS	1		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	118.0	DBL-HTCH-BVR
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	115.5	GEN520997 1-MORLND2
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	113.0	BASE CASE
FDNS	1		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	112.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.3	SPP-SWPS-03
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL		2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	110.0	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.8	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.0	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.7	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	100.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	100.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_014	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	156.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	151.9	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	149.8	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.3	GEN514805 1-SOONER UNIT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.7	SPP-SWPS-04	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	147.1	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.9	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.3	GEN521120 1-BUFBEAR2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.2	MOORELAND - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.2	SPP-MKEC-08	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.8	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.7	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.7	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.7	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.6	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.5	GEN509416 1-TURK GENERATION	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.5	GEN520947 1-HUGO1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.4	3TERM7	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	BRANTLEY - DURHAM 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	FREEDOM - WEST 69KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN520997 1-MORLND2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	BUFFALO - WEST 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	BRANTLEY - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	MORWOOD SW - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	GEN526334 1-JONES_4 116.500	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	EASTDC - WELSH 345KV CKT 1	
FNSL	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	GEN659111 2-LELAND OLDS UNIT2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN542962 2-IATAN UNIT #2	
FNSL	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN527163 1-MUSTANG GEN #3 22 KV	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	GEN515449 1-CRSRDW11 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.6	GEN515450 1-CRSRDW21 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.5	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.4	DOVER - DOVER SW 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.0	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.7	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.2	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.5	BASE CASE	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.0	GEN560648 1-G07-21 0.5750	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.4	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.9	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.7	GEN531447 1-HOLCOMB GENERATOR	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	135.6	DBL-HTCH-BVR	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.4	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.3	GEN560282 1-G08-19 0.6000	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.1	GEN515397 1-OU SPRT 1 34.500	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.0	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.5	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560224 1-G07-62-4 0.6900	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.9	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	131.3	SPP-SWPS-03	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.6	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	130.2	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.6	GEN515393 1-OGEWIND2G	
FDNS	1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.2	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.2	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	128.0	SPP-SWPS-02A
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	127.2	GEN515389 1-TLGAWND1 34.500
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	126.7	GEN514805 1-SOONER UNIT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	124.4	GEN514806 1-SOONER UNIT 2
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.4	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	124.1	SPP-SWPS-05
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.8	SPP-SWPS-04
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.2	CARTER ICT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	123.0	SPP-AEPW-32
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	123.0	GEN515226 1-MUSKOGEE 6G
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.9	SPP-SWPS-02
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.9	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	CARTER ICT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.4	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	3TERM7
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN560121 1-G08-47 0.5750
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN542957 1-IATAN UNIT #1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN527162 1-MUSTANG GEN #2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN527161 1-MUSTANG GEN #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN562020 1-G11_021_3 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	EASTDC - WELSH 345KV CKT 1
FNSL		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	GEN526334 1-JONES_4 116.500
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	GEN542962 2-IATAN UNIT #2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.8	GEN645001 1-FORT CALHOUN 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	117.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	116.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.4	GEN560648 1-G07-21 0.5750
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN515397 1-OUSPRT 1 34.500
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	113.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	110.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.6	GEN515393 1-OGEWIND2G
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	109.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	104.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	104.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_014	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	102.8	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	211.7	DBL-WICH-THI
FDNS		1	2A	14G	G11_014	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	187.9	DBL-WICH-THI
FDNS		1	2A	14G	G11_014	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.031	103.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	0 14G	G11_016	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.417	101.8	DBL-IRON-CLR
FDNS	03G11_016		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.095	123.3	DBL-WICH-THI
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.079	120.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.130	118.7	DBL-IRON-CLR
FDNS		3	0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.095	116.7	DBL-WICH-THI
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.079	112.4	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.073	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.073	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.130	108.8	DBL-SPRVL-CL
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.070	105.5	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.067	105.5	DBL-BVR-WWRD
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.072	104.8	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.070	104.5	SEWARD - ST JOHN 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	103.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.066	102.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.066	102.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.070	102.5	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.072	102.3	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.072	102.1	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	102.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.070	101.9	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03G11_016		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.079	101.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.066	101.8	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.067	101.3	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	101.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	101.3	GREAT BEND TAP - MULLERGRN 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.067	101.3	DBL-HTCH-BVR
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	101.1	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.067	100.8	ELLSWTP3 115.00 - MULLERGRN 115KV CKT 1
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.066	100.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.130	100.5	DBL-SPRVL-CL
FDNS	03ALL		0 14G	G11_016	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.068	100.4	MOORE - PAULINE 345KV CKT 1
FDNS	03G11_016		0 14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.054	127.4	DBL-WICH-THI
FDNS		3	0 14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.054	122.6	DBL-WICH-THI
FDNS	02ALL		0 14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.053	115.0	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.054	112.0	DBL-WICH-THI
FDNS		2	0 14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.054	100.9	DBL-WICH-THI
FDNS	03G11_016		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	233.4	DBL-WICH-THI
FDNS		3	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	225.1	DBL-WICH-THI
FDNS	02ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	211.9	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	206.5	DBL-WICH-THI
FDNS		2	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	187.4	DBL-WICH-THI
FDNS		1	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	181.9	DBL-WICH-THI
FDNS	04ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	143.3	DBL-WICH-THI
FDNS	06ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	132.8	DBL-WICH-THI
FDNS		6	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	127.1	DBL-WICH-THI
FDNS	09ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	117.0	DBL-WICH-THI
FDNS		9	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	113.8	DBL-WICH-THI
FDNS	13ALL		0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	112.6	DBL-WICH-THI
FDNS		13	0 14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	112.3	DBL-WICH-THI
FDNS	00G11_016		0 14WP	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.057	106.0	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.049	116.3	DBL-WICH-THI
FDNS	02ALL		0 14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.048	112.0	DBL-WICH-THI
FDNS		1	0 14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.049	100.3	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	140.2	DBL-WICH-THI
FDNS		1	0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	123.5	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	116.8	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	116.4	FT SUPPLY - IODINE 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.3	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	2	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.6	DBL-WICH-THI
FDNS	03G11_016	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.4	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	102.2	GEN520997 1-MORLND2
FDNS	3	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	101.9	DBL-WICH-THI
FDNS	03G11_016	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	101.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	203.2	DBL-WICH-THI
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	198.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	189.9	DBL-WICH-THI
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	189.3	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	181.0	DBL-WICH-THI
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	179.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	160.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.8	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	147.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	147.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.0	ROSE HILL - SOONER 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.4	GEN520997 1-MORLND2	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	145.3	DEWEY - IODINE 138KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	145.3	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.6	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.6	BASE CASE	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	BENTON - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	142.3	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.9	DEWEY - TALOGA 138KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.9	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.5	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	MINGO - SETAB 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.2	GEN520922 1-SLEEPING BEAR	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.6	DEWEY - TALOGA 138KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.3	MINGO - RED WILLOW 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	139.1	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	HOLCOMB - SETAB 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	BENTON - WICHITA 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.2	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.1	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.1	AXTELL - POST ROCK 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.9	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	135.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	135.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.3	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	IODINE - MOORELAND 138KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	133.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	04ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.5	RENFWOW7	345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	132.4	WOODWARD	- WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.5	GEN515389	1-TLGAWND1 34.500
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.4	GEN514805	1-SOONER UNIT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.7	THISTLE7	345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.7	THISTLE7	345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.2	RENFWOW7	345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.8	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.7	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.4	GEN514806	1-SOONER UNIT 2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.1	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	128.9	RENFWOW7	345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	128.7	VIOLA 7	345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.6	CIMARRON	- NORTHWEST 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.5	WOODRING (WOODRNG2)	345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.4	RENFWOW7	345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.3	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.2	MINGO - SETAB	345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE	345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.1	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.7	CARTER JCT	- WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.5	STATELINE INTERCHANGE - STLN-DEMARC6	230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.5	GEN515226	1-MUSKOGEE 6G
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.4	GEN509416	1-TURK GENERATION
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.4	BENTON - WICHITA	345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.3	GEN520947	1-HUGO1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.3	GEN336821	1-GRAND GULF UNIT
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.3	GEN521120	1-BUFBEAR2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.2	STLN-DEMARC6 - SWEETWATER	230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.2	GEN515223	1-MUSKOGEE 4G
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.2	GEN336153	1-WATERFORD UNIT#3
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	GEN515225	1-MUSKOGEE 5G
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.1	CARTER JCT	- MOORELAND 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.1	MOORELAND (MOORELND)	138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	GEN509403	1-PIRKEY GENERATION
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	FLATRDG3 - HARPER	138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	MINGO - RED WILLOW	345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	GEN509406	1-WELSH #3
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	GEN509405	1-WELSH #2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	GEN509404	1-WELSH #1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	GEN501801	1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.9	AXTELL - POST ROCK	345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	126.9	GEN511840	1-NORTHEASTERN STATION #3
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.1	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.1	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.0	MINGO - SETAB	345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	124.9	DEWEY - TALOGA	138KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.6	MINGO - RED WILLOW	345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.5	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.3	AXTELL - POST ROCK	345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	123.9	VIOLA 7	345.00 - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.9	DBL-WICH-THI	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.9	BENTON - WICHITA	345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.8	Hitchland Interchange - POTTER COUNTY INTERCHANGE	345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	123.2	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	06ALL	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	123.0	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.9	GEN532653	1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	MIDLTNT4	138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.8	NEWKIRK4 - PECKHAM TAP	138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.8	GEN542957	1-IATAN UNIT #1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.8	HOLCOMB - SETAB	345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.8	FLATRDG3 - HARPER	138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	GEN562017	1-G11_022_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.7	GEN560121 1-G08-47 0.5750
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	GEN542962 2-IATAN UNIT #2
FNSL	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	GEN527162 1-MUSTANG GEN #2
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	GEN527161 1-MUSTANG GEN #1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.5	EASTDC - WELSH 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.3	GEN526334 1-JONES_4 116.500
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.3	GEN645001 1-FORT CALHOUN 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.2	HARPER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.9	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.7	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03G11_016	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.3	MINGO - SETAB 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	120.2	GEN560648 1-G07-21 0.5750
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.3	GEN515397 1-OUSPRT 1 34.500
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.0	GEN560175 1-G07-44 0.5750
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.9	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.9	GEN560221 1-G07-62-1 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY	
							(MVA)	TDF	(% MVA)			
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.9	GEN560222 1-G07-62-2 0.6900	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.9	GEN560223 1-G07-62-3 0.6900	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.9	GEN560224 1-G07-62-4 0.6900	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.0	GEN525561 1-TOLK GEN #1 24 KV	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.0	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		6	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.3	GEN515365 1-CENT 21 34.500	
FDNS		4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.2	DBL-WICH-THI	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	113.8	GEN515393 1-OGEWND2G	
FDNS	06ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	113.1	DBL-WICH-THI	
FDNS	09ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.6	GEN562023 1-G11_020_3 0.6900	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.6	GEN562026 1-G11_019_3 0.6900	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.0	GEN520997 1-MORLND2	
FDNS		9	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	109.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	107.3	DEWEY - IODINE 138KV CKT 1	
FDNS		1	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	106.9	GEN560429 1-G08-29 0.6400	
FDNS	06ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	106.7	GEN520997 1-MORLND2	
FDNS		4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	106.6	GEN520997 1-MORLND2	
FDNS		4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	06ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		6	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	105.1	DBL-WICH-THI	
FDNS		4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	06ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		6	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	102.4	GEN520997 1-MORLND2	
FDNS	09ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	102.2	DBL-WICH-THI	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	06ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS		4	0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	100.7	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	100.4	BASE CASE	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	04ALL		0	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	100.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS		3	0	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.049	156.1	DBL-IRON-CLR	
FDNS	03G11_016		0	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.049	139.8	DBL-SPRVL-CL	
FDNS		3	0	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.049	130.5	DBL-SPRVL-CL	
FDNS		3	0	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.049	144.7	DBL-IRON-CLR	
FDNS	03G11_016		0	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.049	128.8	DBL-SPRVL-CL	
FDNS		3	0	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.049	119.7	DBL-SPRVL-CL	
FDNS	03G11_016		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	246.2	DBL-WICH-THI	
FDNS		3	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	235.7	DBL-WICH-THI	
FDNS	02ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	224.6	DBL-WICH-THI	
FDNS	01ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	217.1	DBL-WICH-THI	
FDNS		2	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	197.9	DBL-WICH-THI	
FDNS		1	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	192.5	DBL-WICH-THI	
FDNS	04ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	153.8	DBL-WICH-THI	
FDNS	06ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	143.4	DBL-WICH-THI	
FDNS		6	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	137.7	DBL-WICH-THI	
FDNS	09ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	127.6	DBL-WICH-THI	
FDNS		9	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	124.4	DBL-WICH-THI	
FDNS	13ALL		0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	123.2	DBL-WICH-THI	
FDNS		13	0	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	122.9	DBL-WICH-THI	
FDNS	00G11_016		0	14WP	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.057	116.3	DBL-WICH-THI	
FNSL	00G11_016		0	19WP	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.059	108.5	DBL-WICH-THI	
FDNS		03ALL		0	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.034	138.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_016		0	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.034	120.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS		3	0	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.034	117.0	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS		03ALL		0	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.034	132.9	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_016		0	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.034	112.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS		3	0	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.034	108.5	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1	
FDNS		03ALL		0	14G	G11_016	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	88	0.034	119.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	0	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.049	139.6	DBL-IRON-CLR	
FDNS	03G11_016		0	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.049	123.8	DBL-SPRVL-CL	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.049	114.6	DBL-SPRVL-CL
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	147.5	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.108	142.3	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS		3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.162	140.7	DBL-IRON-CLR
FDNS		3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.111	131.8	DBL-WICH-THI	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.162	129.1	DBL-SPRVL-CL	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	126.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS		3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.111	124.9	DBL-WICH-THI
FDNS	03NR	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.090	124.7	DBL-SPRVL-CL	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.091	124.5	HOLCOMB - SETAB 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	122.8	MULLERGREN - SOUTH HAYS 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	121.6	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	121.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	120.9	GREENSBURG - SUN CITY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.093	120.8	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	120.7	DBL-BVR-WWRD	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.093	120.6	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	120.5	MEDICINE LODGE - SUN CITY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	120.5	GEN539677 3-A. M. MULLERGREN GENERATOR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	119.9	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	119.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	119.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.109	119.0	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	119.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	
FDNS		3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.162	118.9	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	118.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	118.5	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	118.4	NESS CITY - NESS CITY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	118.3	MANNING TAP - SCOTT CITY 115KV CKT 1	
FDNS		3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	118.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	118.0	DIGHTON TAP - MANNING TAP 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.9	ALEXANDER - NESS CITY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.8	ALEXANDER - NEKOMA 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.5	BEELER - DIGHTON TAP 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.4	DBL-HTCH-BVR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.2	BEELER - NESS CITY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.2	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	117.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.6	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.5	CRK3 3 115.00 - CUDAHY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	116.5	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.4	CUDAHY - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.4	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.3	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.3	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	116.3	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.1	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	116.1	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.0	HARPER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	116.0	ALEXANDER - NINNES3 115.00 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.9	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.9	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.8	GEN542951 5-HAWTHORN UNIT #5	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.8	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.8	COLBY - MINGO 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.8	LACROSSE TAP - NEKOMA 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	GEN560140 1-G09-08 0.7000	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	GEN542956 2-LACYGNE UNIT #2	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	HEIZER - LACROSSE TAP 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.7	NINNES3 115.00 - ST JOHN 115KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	115.6	GEN530594 01-SMKYP1G1 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	115.5	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	115.5	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	114.8	SPEARVILLE (SPWIND 2) 230/34.5/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	114.5	BASE CASE	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	114.3	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	114.1	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.5	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.4	COVERT 3 115.00 - WALDO 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.4	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.4	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	113.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	113.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.3	MOUNDRIDGE - RENO COUNTY 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.3	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.3	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.3	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.3	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.3	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.2	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.2	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1	
FNSL	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	113.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.1	RENO COUNTY - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.1	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	113.0	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	113.0	RUSSELL - WALDO 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	112.9	HUNTSVILLE - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	112.9	EASTDC - WELSH 345KV CKT 1	
FDNS	3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.109	112.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	112.8	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	112.3	HOYT - STRANGER CREEK 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	112.2	CIRCLE - EAST MCPHERSON 230KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	112.1	GEN539762 1-SSWIND 1 34.500	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	112.1	ST JOHN - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	111.8	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.7	GEN560522 1-G05-12-2 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.5	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.5	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.5	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.5	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.5	GEN539785 1-ENSGW 1 0.5750	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	111.3	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	111.2	GREAT BEND TAP - SEWARD 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	111.2	GREAT BEND TAP - MULLERGREN 115KV CKT 1	
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.113	111.2	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.1	GEN560267 1-G10-15-1 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.1	GEN560268 1-G10-15-2 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	110.8	ELLSWTP3 115.00 - MULLERGREN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.7	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.5	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.5	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.2	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	110.1	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.113	109.8	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	109.7	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	109.6	GEN523117 1-BUFF_DUNES210.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	109.2	GEN560329 1-G10-45 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	109.2	GEN531503 1-CIMRRN 1 34.500	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	109.2	GEN560693 1-G11-008-1 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	108.8	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	108.8	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	108.6	SEWARD - ST JOHN 115KV CKT 1	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	108.2	GEN531447 1-HOLCOMB GENERATOR	
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	107.9	GEN560659 1-G07-38 0.6900	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	107.9	GEN560432 1-G08-124 0.6900
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	107.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	107.7	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	107.2	GEN562032 1-G11_017_3 0.6900
FDNS	3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	106.2	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	106.0	GEN560514 1-G04_014 0.6900
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.091	105.1	MINGO - SETAB 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	105.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	105.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	104.7	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.094	104.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.113	104.4	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.091	103.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	102.9	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	101.8	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.094	101.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.094	101.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	101.3	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	101.1	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.094	101.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	100.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	100.8	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	100.7	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	100.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	100.6	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	100.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.088	100.5	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.089	100.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	0	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.087	100.2	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_016	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.034	111.0	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.168	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.086	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.098	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.112	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.112	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.104	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.118	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.118	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_016	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.108	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_016	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.037	123.6	DBL-IRON-CLR
FDNS	04ALL	0	14G	G11_016	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.037	120.0	DBL-THIS-CLR
FDNS	04ALL	0	14G	G11_016	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.037	112.2	DBL-IRON-CLR
FDNS	03G11_016	0	14G	G11_016	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.037	106.8	DBL-SPRVL-CL
FDNS	04ALL	0	14G	G11_016	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.037	105.1	DBL-SPRVL-CL
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.113	117.2	DBL-THIS-CLR
FDNS	03G11_016	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.081	114.0	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.071	113.5	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.113	112.0	DBL-IRON-CLR
FDNS	3	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.112	112.0	DBL-IRON-CLR
FDNS	3	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.081	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.082	108.0	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	107.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.113	107.4	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.063	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.063	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.112	103.6	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.058	102.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	04ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.079	102.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	03NR	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	101.8	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.058	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.058	101.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_016	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.079	100.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.060	100.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.061	100.3	AXTELL - PAULINE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.058	100.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.045	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_016	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.045	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.035	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.036	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.043	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.036	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.032	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.514	122.3	DBL-THIS-CLR
FDNS	3	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.106	119.2	DBL-THIS-CLR
FDNS	03G11_016	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.089	116.8	DBL-WICH-THI
FDNS	3	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.089	111.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.106	105.8	DBL-IRON-CLR
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.105	105.7	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.070	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.070	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.064	102.2	DBL-BVR-WWRD
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.066	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.066	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016	2	14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.053	126.7	DBL-WICH-THI
FDNS	3	2	14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.053	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.052	116.3	DBL-WICH-THI
FDNS	2	2	14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.053	101.7	DBL-WICH-THI
FDNS	03G11_016	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	232.1	DBL-WICH-THI
FDNS	3	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.052	214.2	DBL-WICH-THI
FDNS	2	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	188.6	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	180.9	DBL-WICH-THI
FDNS	1	2	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	160.2	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.051	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.045	101.6	DBL-WICH-THI
FDNS	1	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	109.2	DBL-WICH-THI
FDNS	2	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.038	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	105.0	DBL-WICH-THI
FDNS	03G11_016	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	105.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	217.7	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	194.5	DBL-WICH-THI
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	186.8	DBL-WICH-THI
FDNS	03G11_016	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	186.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	183.7	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	175.5	BASE CASE
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	174.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	171.4	GEN520997 1-MORLND2
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	168.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.9	BASE CASE
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	166.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	164.0	GEN520997 1-MORLND2
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	162.3	DBL-WICH-THI
FDNS	2	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	161.4	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	159.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	159.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	159.6	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	158.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	158.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	157.6	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	157.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.8	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	156.5	BENTON - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	156.5	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	156.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	156.4	RENFROW4 138.00 - SAND RDG_ 138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.9	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.8	GEN515042 1-SEMINOLE 3G
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.8	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.7	GEN520947 1-HUGO1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.4	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.4	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.4	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.3	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.2	GEN509406 1-WELSH #3
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.2	GEN509405 1-WELSH #2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.2	GEN509404 1-WELSH #1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	154.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.1	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	152.9	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	152.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	152.7	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.6	SAND RDG_ 138138.00 - WAKITA_ 138 138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	152.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.8	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	151.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.8	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.2	MULLERGREN - SPEARVILLE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.1	CIRCLE - MULLERGEN 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	150.0	SMOKYHL6 230.00 -SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN523122 1-NBLWND-WTG210.6900
FNSL	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.6	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.5	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.5	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.4	GEN645001 1-FORT CALHOUN 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.3	BASE CASE
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.2	GEN526334 1-JONES_4 116.500
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.1	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.1	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.3	GEN509404 1-WELSH #1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN336821 1-GRAND GULF UNIT

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.1	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.2	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.9	GEN560371 1-G07-46 0.6900
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.8	BASE CASE
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	144.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.5	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN539785 1-ENSNW 1 0.5750
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.4	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	143.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	143.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.2	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.1	GEN542962 2-IATAN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	GEN542902 1-GPW_G1 0.6900	
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.1	GEN560514 1-G04_014 0.6900	
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	141.9	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	141.9	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.6	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.4	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.4	MOORELAND - TALOGA 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.3	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.2	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN560659 1-G07-38 0.6900	
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	GEN560432 1-G08-124 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.8	GEN560693 1-G11-008-1 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.8	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.5	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.4	GEN560329 1-G10-45 0.6900	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.4	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.4	GEN531503 1-CIMRRN 1 34.500	
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.8	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.6	BASE CASE	
FDNS	01ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.5	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.2	GEN523117 1-BUFF_DUNES210.6900	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	138.9	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	138.7	DBL-WICH-THI
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.6	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FNLS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.1	RENFWOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	137.6	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	136.8	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.8	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	135.6	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	134.7	MINGO - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.5	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	134.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	134.0	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.7	GEN520922 1-SLEEPING BEAR
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.7	RENFWOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.0	GEN514805 1-SOONER UNIT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.8	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN509416 1-TURK GENERATION



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN520947 1-HUGO1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.5	BENTON - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	132.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN336821 1-GRAND GULF UNIT
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN515225 1-MUSKOGEE 5G
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	GEN515223 1-MUSKOGEE 4G
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.3	GEN509403 1-PIRKEY GENERATION
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	132.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509406 1-WELSH #3
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509405 1-WELSH #2
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN509404 1-WELSH #1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.1	GEN515041 1-SEMINOLE 2G
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.8	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.5	DEWEY - TALOGA 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	131.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.3	MINGO - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	130.9	GEN514806 1-SOONER UNIT 2
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	130.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	130.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	130.7	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	130.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.1	BENTON - WICHITA 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.9	GEN520922 1-SLEEPING BEAR
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.3	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.2	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	129.0	GEN509416 1-TURK GENERATION
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.9	GEN520947 1-HUGO1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	128.7	DBL-HTCH-BVR
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	GEN515225 1-MUSKOGEE 5G
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	GEN515223 1-MUSKOGEE 4G
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	GEN509403 1-PIRKEY GENERATION
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.6	GEN336821 1-GRAND GULF UNIT
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.5	HARPER - MILAN TAP 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.3	GEN509406 1-WELSH #3
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.3	GEN509405 1-WELSH #2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.3	GEN509404 1-WELSH #1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.3	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.3	SOONER - WOODRING 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.2	GEN514805 1-SOONER UNIT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.1	GEN509394 1-FLINT CREEK
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.0	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.0	GEN335831 1-RIVERBEND UNIT#1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.0	GEN515042 1-SEMINOLE 3G
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.9	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	127.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.8	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.7	EASTDC - WELSH 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.7	DOVER - DOVER SW 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.4	GEN542957 1-IATAN UNIT #1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN527161 1-MUSTANG GEN #1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN527162 1-MUSTANG GEN #2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN515365 1-CENT 21 34.500
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN560586 1-G06-44-3 4.1600
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.1	GEN542962 2-IATAN UNIT #2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.1	GEN515393 1-OGEWND2G
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN560585 1-G06-44-3 4.1600
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.0	GEN526334 1-JONES_4 116.500
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN562023 1-G11_020_3 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.9	GEN562026 1-G11_019_3 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.8	GEN645001 1-FORT CALHOUN 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	126.1	MINGO - SETAB 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	126.0	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	GEN560429 1-G08-29 0.6400
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.3	GEN520922 1-SLEEPING BEAR
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	125.1	BENTON - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN509416 1-TURK GENERATION
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN562042 1-G11_014_3 0.6900
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN515226 1-MUSKOGEE 6G
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	124.1	GEN520947 1-HUGO1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.9	GEN515225 1-MUSKOGEE 5G
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.9	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.8	GEN560121 1-G08-47 0.5750
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.8	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.8	EASTDC - WELSH 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	GEN336821 1-GRAND GULF UNIT
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.8	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509406 1-WELSH #3
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509405 1-WELSH #2
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN509404 1-WELSH #1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	DOVER - DOVER SW 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	GEN560267 1-G10-15-1 0.6900
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	GEN531459 2-S2 GENERATOR
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	GEN527162 1-MUSTANG GEN #2
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	GEN527161 1-MUSTANG GEN #1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.5	GEN560268 1-G10-15-2 0.6900
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN515042 1-SEMINOLE 3G
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.5	GEN659111 2-LELAND OLDS UNIT2
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.4	GEN542957 1-IATAN UNIT #1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	GEN509394 1-FLINT CREEK
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.4	GEN515365 1-CENT 21 34.500
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.3	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.3	GEN526334 1-JONES_4 116.500
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	GEN560695 1-G11-008-3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	GEN542902 1-GPW_G1 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	GEN542962 2-IATAN UNIT #2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	GEN515393 1-OGEWND2G
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	GEN560694 1-G11-008-2 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	GEN560514 1-G04_014 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.0	GEN645001 1-FORT CALHOUN 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.9	GEN562023 1-G11_020_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.9	GEN562026 1-G11_019_3 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.7	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.7	GEN539807 1-G05-12 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.5	GEN560238 1-G10-09 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.3	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.2	GEN560432 1-G08-124 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	122.2	GEN562017 1-G11_022_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.1	GEN560693 1-G11-008-1 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	122.0	GEN645012 2-NEBRASKA CITY 2
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.9	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.8	GEN531503 1-CIMRRN 1 34.500
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.8	GEN560329 1-G10-45 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.6	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.6	GEN560121 1-G08-47 0.5750
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.4	GEN560429 1-G08-29 0.6400
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.4	GEN560659 1-G07-38 0.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.3	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.3	GEN562035 1-G11_016_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.2	GEN560549 1-G06-06 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	121.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.9	GEN523117 1-BUFF_DUNES210.6900
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.7	GEN562032 1-G11_017_3 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.7	MOORELAND - TALOGA 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	120.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	120.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.6	GEN525562 1-TOLK GEN #2 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN560121 1-G08-47 0.5750
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	EASTDC - WELSH 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN527161 1-MUSTANG GEN #1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN527162 1-MUSTANG GEN #2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.0	GEN531459 2-S2 GENERATOR
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.9	GEN542957 1-IATAN UNIT #1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN526334 1-JONES_4 116.500
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN515365 1-CENT 21 34.500
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN542902 1-GPW_G1 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.8	GEN560695 1-G11-008-3 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN542962 2-IATAN UNIT #2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN560514 1-G04_014 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN560694 1-G11-008-2 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.6	GEN515393 1-OGEWIND2G
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN562023 1-G11_020_3 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN562026 1-G11_019_3 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.3	GEN539807 1-G05-12 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	118.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	118.0	GEN560238 1-G10-09 0.6900
FDNS	1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.8	GEN560659 1-G07-38 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN562035 1-G11_016_3 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN560432 1-G08-124 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN560693 1-G11-008-1 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.6	GEN560549 1-G06-06 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN560329 1-G10-45 0.6900
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_016	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	117.1	GEN640009 1-COOPER NUCLEAR STATION

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.9	GEN560429 1-G08-29 0.6400
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.3	GEN562032 1-G11_017_3 0.6900
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	116.1	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		01ALL	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.8	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	112.2	DBL-HTCH-BVR
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	110.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	109.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	109.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	109.0	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	108.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	158.1	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	138.8	DBL-SPRVL-CL
FDNS	03G11_016		2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	138.1	DBL-IRON-CLR
FDNS		3	2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	131.2	DBL-IRON-CLR
FDNS	03G11_016		2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	119.7	DBL-SPRVL-CL
FDNS		3	2	14G	G11_016	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.038	113.2	DBL-SPRVL-CL
FDNS		3	2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	146.7	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	127.7	DBL-SPRVL-CL
FDNS	03G11_016		2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	127.1	DBL-IRON-CLR
FDNS		3	2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	120.3	DBL-IRON-CLR
FDNS	03G11_016		2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	108.9	DBL-SPRVL-CL
FDNS		3	2	14G	G11_016	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.038	102.4	DBL-SPRVL-CL
FDNS	03G11_016		2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	242.8	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	233.9	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.052	226.9	DBL-WICH-THI
FDNS		2	2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	199.1	DBL-WICH-THI
FDNS	01ALL		2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	191.5	DBL-WICH-THI
FDNS		1	2	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	170.8	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.031	128.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.031	114.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.031	110.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		2	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.031	121.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_016		2	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.031	105.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	2	14G	G11_016	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.031	101.3	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	88	0.031	108.2	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.038	141.6	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.038	122.6	DBL-SPRVL-CL
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.038	122.1	DBL-IRON-CLR
FDNS		3	2	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.038	115.3	DBL-IRON-CLR
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.038	103.9	DBL-SPRVL-CL
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.126	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.134	141.6	DBL-THIS-CLR
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	136.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.126	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.100	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	126.5	DBL-WICH-THI
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.134	126.2	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.133	125.7	DBL-SPRVL-CL
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.104	125.1	DBL-WICH-THI
FDNS	03NR		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	123.0	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.091	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.091	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS		3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.104	118.9	DBL-WICH-THI
FDNS		3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.134	118.3	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	116.7	DBL-BVR-WWRD
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	116.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.083	116.0	MINGO - SETAB 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	114.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.083	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.081	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.113	111.6	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.081	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.100	111.2	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.082	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.081	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.081	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.090	110.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03G11_016		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.134	109.7	DBL-SPRVL-CL
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS		3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL		2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.8	BEELER - NESS CITY 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.6	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.3	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	108.0	CRCK 3 115.00 - CUDAHY 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	108.0	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.9	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.7	GEN542951 5-HAWTHORN UNIT #5	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.7	HARPER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	COLBY - MINGO 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.6	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	GEN560140 1-G09-08 0.7000	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.081	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.6	GEN542956 2-LACYGNE UNIT #2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.080	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.4	GEN530594 01-SMKYP1G1 0.6900	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.4	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.4	GEN645001 1-FORT CALHOUN 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	107.3	HEIZER - LACROSSE TAP 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	106.3	BASE CASE	
FDNS	3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.100	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.3	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	
FDNS	03NR	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	105.2	DBL-SPRVL-CL	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.2	GEN599891 1-OKLAUN	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	GEN523461 1-BLACKHAWK GEN #1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.1	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.1	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	105.0	GEN526334 1-JONES_4 116.500	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.9	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.9	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.8	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	104.8	HUNTSVILLE - ST JOHN 115KV CKT 1	



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	104.7	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	104.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.3	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	104.1	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	103.9	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.9	GEN560522 1-G05-12-2 0.6900
FDNS	03G11_016	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	103.7	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.092	103.7	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.7	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	103.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.6	GEN539785 1-ENSNW 1 0.5750
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.078	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	103.0	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	3	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.134	102.2	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	100.9	SEWARD - ST JOHN 115KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.104	100.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.079	100.3	GEN560549 1-G06-06 0.6900
FDNS	03ALL	2	14G	G11_016	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.031	100.9	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	3	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.091	112.2	DBL-THIS-CLR
FDNS	03ALL	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.072	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_016	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	109.0	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.064	104.8	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.091	101.3	DBL-SPRVL-CL
FDNS	03G11_016	2	14G	G11_016	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.091	101.3	DBL-IRON-CLR
FDNS	03ALL	2	14G	G11_016	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.044	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.044	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.040	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.041	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.047	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.040	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_016	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.039	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	121.1	DBL-IRON-CLR
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	119.6	DBL-WICH-THI
FDNS	03NR	3	14G	G11_016	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	103.5	DBL-SPRVL-CL
FDNS	01ALL	2A	14G	G11_016	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.124	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_016	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.053	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G11_016	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_016	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.048	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	135.1	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	112.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.9	SPP-SWPS-04
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	1		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	194.2	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	166.7	DBL-WICH-THI
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.7	SPP-SWPS-04
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.9	MINGO - SETAB 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.5	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1		2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.0	DEWEY - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	130.6	FT SUPPLY - IODINE 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.8	SPP-SWPS-04
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.2	CARTER ICT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.0	SPP-AEPW-32
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	CARTER ICT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.5	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.4	3TIRM7
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	G11_016	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2A	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	211.7	DBL-WICH-THI
FDNS	1		2A	14G	G11_016	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	187.9	DBL-WICH-THI
FDNS	3		0	14G	G11_017	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.375	101.8	DBL-IRON-CLR
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.086	120.1	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.096	118.9	DBL-WICH-THI
FDNS	3		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.128	118.7	DBL-IRON-CLR
FDNS	3		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.096	116.7	DBL-WICH-THI
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.086	112.4	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.075	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.075	109.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.073	105.5	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.070	105.5	DBL-BVR-WWRD
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.077	104.8	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.074	104.5	SEWARD - ST JOHN 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	103.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.128	103.2	DBL-SPRVL-CL
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	102.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	102.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.073	102.5	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.075	102.3	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.075	102.1	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	102.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.073	101.9	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	101.8	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	101.3	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	101.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	101.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.070	101.3	DBL-HTCH-BVR
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.072	101.1	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	100.8	ELLSWTP3 115.00 - MULLERGREN 115KV CKT 1
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	100.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	3		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.128	100.5	DBL-SPRVL-CL
FDNS	03ALL		0	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.071	100.4	MOORE - PAULINE 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	123.5	DBL-WICH-THI
FDNS	3		0	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	122.6	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	115.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.049	112.0	DBL-WICH-THI	
FDNS	2	0	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	100.9	DBL-WICH-THI	
FDNS	03G11_017	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	226.6	DBL-WICH-THI	
FDNS	3	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	225.1	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	211.9	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	206.5	DBL-WICH-THI	
FDNS	2	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	187.4	DBL-WICH-THI	
FDNS	1	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	181.9	DBL-WICH-THI	
FDNS	04ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	143.3	DBL-WICH-THI	
FDNS	06ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	132.8	DBL-WICH-THI	
FDNS	6	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	127.1	DBL-WICH-THI	
FDNS	09ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	117.0	DBL-WICH-THI	
FDNS	9	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	113.8	DBL-WICH-THI	
FDNS	13ALL	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	112.6	DBL-WICH-THI	
FDNS	13	0	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	112.3	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	116.3	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	112.0	DBL-WICH-THI	
FDNS	1	0	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	100.3	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	140.2	DBL-WICH-THI	
FDNS	1	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	123.5	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	121.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	120.0	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	117.6	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	116.8	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	2	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.3	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	110.0	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.5	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	106.6	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	104.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	03G11_017	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	103.5	DBL-WICH-THI	
FDNS	2	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.9	DBL-WICH-THI	
FDNS	1	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	203.2	DBL-WICH-THI	
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	189.9	DBL-WICH-THI	
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	187.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	184.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	175.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	156.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	144.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.5	DEWEY - IODINE 138KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	123.9	DBL-WICH-THI
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		4	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_017		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		6	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	113.1	DBL-WICH-THI
FDNS	09ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		9	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	107.3	DEWEY - IODINE 138KV CKT 1
FDNS		4	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	105.1	DBL-WICH-THI
FDNS		4	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	09ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	102.2	DBL-WICH-THI
FDNS		4	0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	0	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.045	156.1	DBL-IRON-CLR
FDNS	03G11_017		0	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.045	133.4	DBL-SPRVL-CL
FDNS		3	0	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.045	130.5	DBL-SPRVL-CL
FDNS		3	0	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.045	144.7	DBL-IRON-CLR
FDNS	03G11_017		0	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.045	122.5	DBL-SPRVL-CL
FDNS		3	0	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.045	119.7	DBL-SPRVL-CL
FDNS	03G11_017		0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	239.5	DBL-WICH-THI
FDNS		3	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	235.7	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	224.6	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	217.1	DBL-WICH-THI
FDNS		2	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	197.9	DBL-WICH-THI
FDNS		1	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	192.5	DBL-WICH-THI
FDNS	04ALL		0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	153.8	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	06ALL	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	143.4	DBL-WICH-THI
FDNS	6	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	137.7	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	127.6	DBL-WICH-THI
FDNS	9	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	124.4	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	122.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.044	138.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.045	118.4	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.045	117.0	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.044	132.9	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017	0	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.045	110.1	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	3	0	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.045	108.5	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	88	0.044	119.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.045	139.6	DBL-IRON-CLR
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.045	117.4	DBL-SPRVL-CL
FDNS	3	0	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.045	114.6	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.101	142.3	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	141.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.132	140.7	DBL-IRON-CLR
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.138	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	126.7	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.084	124.9	DBL-WICH-THI
FDNS	03NR	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.059	124.7	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.065	124.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	122.8	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.131	121.8	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	121.6	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.064	121.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	120.9	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	120.8	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	120.7	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.068	120.6	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	120.5	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	120.5	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	119.9	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.064	119.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	119.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	119.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.132	118.9	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	118.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.071	118.5	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	118.4	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	118.3	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	118.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	118.0	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.9	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.8	ALEXANDER - NEKOMA 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.5	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	117.4	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.2	BEELER - NESS CITY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.2	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	117.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.5	CRCK 3 115.00 - CUDAHY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.5	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.4	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.3	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.3	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.063	116.3	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.1	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	116.0	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	116.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.9	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	115.9	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.8	GENS42951 5-HAWTHORN UNIT #5
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	115.8	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.8	COLBY - MINGO 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.8	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	115.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.7	GEN560140 1-G09-08 0.7000
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.7	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.7	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	115.7	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.7	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.6	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	115.5	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.059	115.5	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	114.8	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	114.8	SPEARVILLE (SPWIND 2) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	114.5	BASE CASE
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	114.3	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	114.1	KNOLL 230 - SMOKYH6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.5	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.4	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.4	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.4	GENS27163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.3	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.3	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.3	GENS27902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.062	113.3	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.3	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.3	GENS27901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.2	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.2	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1
FNSL	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.2	GENS39653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.2	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	113.1	RENO COUNTY - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.1	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	113.0	GENS27903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	113.0	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	112.9	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	112.9	EASTDC - WELSH 345KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.102	112.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	112.8	GENS31459 2-S2 GENERATOR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	112.3	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.059	112.2	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	112.1	GENS39762 1-SSWIND 1 34.500
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	112.1	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	111.8	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.7	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.5	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.5	GENS23971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.5	GENS23972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.5	GENS23973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.5	GENS39785 1-ENSNGW 1 0.5750
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.3	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.059	111.2	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.059	111.2	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.1	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	111.1	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	110.8	ELLSWTP3 115.00 - MULLERGREN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.7	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.6	GENS25561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.5	GENS39767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.5	GENS60694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.2	GEN560238 1-G10-09 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	110.1	GENS25562 1-TOLK GEN #2 24 KV
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.085	109.8	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	109.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	109.6	GEN523117 1-BUFF_DUNES210.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	109.2	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	109.2	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	109.2	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	108.8	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	108.8	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	108.7	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	108.7	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	108.6	SEWARD - ST JOHN 115KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	108.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.9	GEN560659 1-G07-38 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.9	GEN560432 1-G08-124 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.7	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	107.2	GEN562032 1-G11_017_3 0.6900
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.076	107.0	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	106.3	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	106.2	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	106.0	GEN560514 1-G04_014 0.6900
FDNS	3	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	104.4	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	101.1	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	100.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.067	100.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.065	100.8	MINGO - SETAB 345KV CKT 1
FDNS	03G11_017	0	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.069	100.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.044	111.0	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.155	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.080	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.080	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.092	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.106	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.106	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.097	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.110	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.110	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_017	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.101	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_017	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.038	123.6	DBL-IRON-CLR
FDNS	04ALL	0	14G	G11_017	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.038	120.0	DBL-THIS-CLR
FDNS	04ALL	0	14G	G11_017	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.038	112.2	DBL-IRON-CLR
FDNS	04ALL	0	14G	G11_017	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.038	105.1	DBL-SPRVL-CL
FDNS	03G11_017	0	14G	G11_017	FROM->TO	SEWARD - ST JOHN 115KV CKT 1	87.6	0.038	101.5	DBL-SPRVL-CL
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.125	117.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.088	113.5	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.125	112.0	DBL-IRON-CLR
FDNS	3	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.125	112.0	DBL-IRON-CLR
FDNS	03G11_017	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.096	110.9	DBL-WICH-THI
FDNS	3	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.096	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.096	108.0	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	107.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.125	107.4	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.079	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.079	103.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	102.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	04ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.102	102.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	03NR	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.045	101.8	DBL-SPRVL-CL
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	101.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.077	100.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.079	100.3	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.075	100.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.043	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_017	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.043	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.040	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS	03G11_017		2	14G	G11_017	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.465	127.7	DBL-THIS-CLR
FDNS	3		2	14G	G11_017	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.465	122.3	DBL-THIS-CLR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.105	121.2	DBL-THIS-CLR
FDNS	3		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.105	119.2	DBL-THIS-CLR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.089	113.2	DBL-WICH-THI
FDNS	3		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.089	111.1	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.079	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.105	105.7	DBL-SPRVL-CL
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.079	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.072	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.072	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.078	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.067	102.2	DBL-BVR-WWRD
FDNS	03G11_017		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.105	101.8	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.069	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017		2	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	123.0	DBL-WICH-THI
FDNS	3		2	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	121.6	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	116.3	DBL-WICH-THI
FDNS	2		2	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	101.7	DBL-WICH-THI
FDNS	03G11_017		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	225.7	DBL-WICH-THI
FDNS	3		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	223.3	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	214.2	DBL-WICH-THI
FDNS	2		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	188.6	DBL-WICH-THI
FDNS	01ALL		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	180.9	DBL-WICH-THI
FDNS	1		2	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	160.2	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.043	109.7	DBL-WICH-THI
FDNS	01ALL		2	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.037	101.6	DBL-WICH-THI
FDNS	1		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	135.1	DBL-TGA-MATT
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	119.9	DBL-WICH-THI
FDNS	01ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	116.8	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_017		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.4	DBL-WICH-THI
FDNS	3		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	105.0	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.4	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	102.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.037	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	217.7	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	207.0	DBL-TGA-MATT
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	189.4	DBL-WICH-THI
FDNS	3		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	186.8	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	183.7	DBL-WICH-THI
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	182.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	177.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	176.2	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	175.5	BASE CASE	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	174.6	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.4	GEN520997 1-MORLND2	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	167.9	BASE CASE	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	166.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	164.0	GEN520997 1-MORLND2	
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	164.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	162.3	DBL-WICH-THI	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	159.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	159.7	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.6	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	158.3	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.6	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	157.2	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	156.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	156.8	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	156.5	BENTON - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	156.4	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	156.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.8	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.8	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.7	GEN520947 1-HUGO1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.4	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.4	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.4	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	155.3	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN509406 1-WELSH #3
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN509405 1-WELSH #2
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN509404 1-WELSH #1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	154.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	154.8	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	154.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	153.1	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	152.9	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.8	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.8	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	151.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.2	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.1	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	150.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.0	GEN515393 1-OGEWIND2G
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.7	GEN562023 1-G11_020_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.7	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN523122 1-NBLWND-WTG210.6900	
FNSL	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.6	GEN523121 1-NBLWND-WTG110.6900	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.5	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.5	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.5	GEN523107 1-NOVUS_WND 14.1600	
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	149.5	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.4	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.4	GEN645001 1-FORT CALHOUN 1	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.3	BASE CASE	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	149.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.1	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.9	GEN515226 1-MUSKOGEE 6G	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	GEN509416 1-TURK GENERATION	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	GEN520947 1-HUGO1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.8	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.8	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.8	GEN560586 1-G06-44-4 4.1600	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.6	GEN515225 1-MUSKOGEE 5G	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.6	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	148.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.4	GEN560585 1-G06-44-3 4.1600	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.3	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.3	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.3	GEN509406 1-WELSH #3	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.3	GEN509405 1-WELSH #2	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.3	GEN509404 1-WELSH #1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.2	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN336821 1-GRAND GULF UNIT	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.1	BENTON - ROSE HILL 345KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.1	GEN509394 1-FLINT CREEK	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.1	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.1	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.9	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.5	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	147.4	DEWEY - IODINE 138KV CKT 1	
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.7	GEN520997 1-MORLND2	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN560286 1-G10-01-1WGTG 0.6900	
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.4	GEN560287 1-G10-01-2WGTG 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.9	GEN560256 1-G10-14-1 0.6900
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.9	GEN560371 1-G07-46 0.6900
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.5	GEN560257 1-G10-14-2 0.6900
FDNS		3	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	145.3	GEN520997 1-MORLND2
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		2	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	144.2	GEN562042 1-G11_014_3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.9	GEN560221 1-G07-62-1 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.9	GEN560222 1-G07-62-2 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.9	GEN560223 1-G07-62-3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.9	GEN560224 1-G07-62-4 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.7	GEN560121 1-G08-47 0.5750
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.7	GEN562020 1-G11_021_3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.6	EASTDC - WELSH 345KV CKT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.5	GEN527162 1-MUSTANG GEN #2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.5	GEN527161 1-MUSTANG GEN #1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.5	GEN539762 1-SSWIND 1 34.500
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN515365 1-CENT 21 34.500
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN539785 1-ENSNGW 1 0.5750
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN560267 1-G10-15-1 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN531459 2-S2 GENERATOR
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN542957 1-IATAN UNIT #1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.4	GEN560268 1-G10-15-2 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.2	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.2	GEN526334 1-JONES_4 116.500
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.2	GEN659111 2-LELAND OLDS UNIT2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.2	GEN515393 1-OGEWND2G
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.1	GEN560696 1-G11-008-4 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.1	GEN542962 2-IATAN UNIT #2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.9	GEN562023 1-G11_020_3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.9	GEN562026 1-G11_019_3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.8	GEN645001 1-FORT CALHOUN 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		02ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.5	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.3	GEN560695 1-G11-008-3 0.6900
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		03ALL	2 14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.3	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.1	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	142.1	GEN560514 1-G04_014 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.8	GEN645012 2-NEBRASKA CITY 2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.7	BASE CASE
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.6	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	GEN560429 1-G08-29 0.6400
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.4	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	141.2	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.9	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.8	GEN560549 1-G06-06 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	140.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.5	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	140.4	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.0	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	140.0	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.6	BASE CASE
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	1	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	138.7	DBL-WICH-THI
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	138.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	138.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FNSL	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	138.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	137.6	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	136.1	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	135.6	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.5	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	135.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	134.7	MINGO - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	134.5	GEN514806 1-SOONER UNIT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	134.3	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.7	GEN520922 1-SLEEPING BEAR
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	132.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.8	GEN515042 1-SEMINOLE 3G
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.7	GEN509416 1-TURK GENERATION
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.7	GEN520947 1-HUGO1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.7	GEN515226 1-MUSKOGEE 6G
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	132.5	BENTON - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	GEN336821 1-GRAND GULF UNIT
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	GEN515225 1-MUSKOGEE 5G
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	GEN515223 1-MUSKOGEE 4G
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.3	GEN509403 1-PIRKEY GENERATION
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.2	GEN509406 1-WELSH #3
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.2	GEN509405 1-WELSH #2
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.2	GEN509404 1-WELSH #1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.1	GEN515041 1-SEMINOLE 2G
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.8	SOONER - WOODRING 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	131.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	131.1	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.1	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	131.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.1	GEN514805 1-SOONER UNIT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.037	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	128.7	DBL-HTCH-BVR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	128.7	DEWEY - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.2	GEN514805 1-SOONER UNIT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	128.0	MINGO - SETAB 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.9	GEN514806 1-SOONER UNIT 2



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.8	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.7	EASTDC - WELSH 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.7	DOVER - DOVER SW 138KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.4	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.4	GEN542957 1-IATAN UNIT #1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN527161 1-MUSTANG GEN #1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN527162 1-MUSTANG GEN #2
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN515365 1-CENT 21 34.500
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	127.3	BENTON - WICHITA 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN560586 1-G06-44-4 4.1600
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.2	GEN520922 1-SLEEPING BEAR
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.1	GEN542962 2-IATAN UNIT #2
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.1	GEN515393 1-OGEWND2G
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.1	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN560585 1-G06-44-3 4.1600
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	127.0	GEN526334 1-JONES 4 116.500
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.8	GEN645001 1-FORT CALHOUN 1
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.3	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	126.2	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	HOLCOMB - SETAB 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.1	MINGO - SETAB 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.0	GEN509416 1-TURK GENERATION
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	126.0	GEN514806 1-SOONER UNIT 2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.0	GEN515226 1-MUSKOGEE 6G
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.0	GEN520947 1-HUGO1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	126.0	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.7	GEN515225 1-MUSKOGEE 5G
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.7	GEN515223 1-MUSKOGEE 4G
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.7	HARPER - MILAN TAP 138KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.6	GEN509403 1-PIRKEY GENERATION
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.6	GEN336821 1-GRAND GULF UNIT
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.6	GEN560287 1-G10-01-2WTG 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN509406 1-WELSH #3
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN509405 1-WELSH #2
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN509404 1-WELSH #1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.5	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN336153 1-WATERFORD UNIT#3
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.5	GEN501801 1-DOLET HILLS UNIT1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.4	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.4	GEN560371 1-G07-46 0.6900
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.4	GEN560429 1-G08-29 0.6400
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	SOONER - WOODRING 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.3	GEN515042 1-SEMINOLE 3G
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.3	GEN520922 1-SLEEPING BEAR
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.3	GEN509394 1-FLINT CREEK
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.3	GEN560256 1-G10-14-1 0.6900
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.2	GEN335831 1-RIVERBEND UNIT#1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.2	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.2	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.1	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.1	BENTON - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN562042 1-G11_014_3 0.6900
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN515226 1-MUSKOGEE 6G
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	124.1	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.9	GEN515225 1-MUSKOGEE 5G
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.8	GEN336821 1-GRAND GULF UNIT
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	GEN509406 1-WELSH #3
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	GEN509405 1-WELSH #2
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	GEN509404 1-WELSH #1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	GEN515042 1-SEMINOLE 3G
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.4	GEN509394 1-FLINT CREEK
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	122.2	DBL-THIS-CLR
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	122.2	GEN562017 1-G11_022_3 0.6900
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.6	GEN560121 1-G08-47 0.5750
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.3	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.2	GEN523462 1-BLACKHAWK GEN #2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	GEN560121 1-G08-47 0.5750
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	EASTDC - WELSH 345KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	GEN562020 1-G11_021_3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	121.0	DOVER - DOVER SW 138KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.9	GEN531459 2-S2 GENERATOR
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.9	GEN527162 1-MUSTANG GEN #2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.9	GEN527161 1-MUSTANG GEN #1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.8	GEN659111 2-LELAND OLDS UNIT2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.7	GEN542957 1-IATAN UNIT #1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.7	GEN515365 1-CENT 21 34.500
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.6	GEN526334 1-JONES_4 116.500
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.6	GEN560695 1-G11-008-3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.6	GEN542902 1-GPW_G1 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.5	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	120.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.5	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN542962 2-IATAN UNIT #2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN560514 1-G04_014 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN560694 1-G11-008-2 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN515393 1-OGEWND2G
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.4	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.3	GEN645001 1-FORT CALHOUN 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.2	GEN562023 1-G11_020_3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.2	GEN562026 1-G11_019_3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.1	GEN539807 1-G05-12 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	120.1	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.8	GEN560238 1-G10-09 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.7	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.6	GEN560659 1-G07-38 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	GEN562035 1-G11_016_3 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	GEN560432 1-G08-124 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	GEN560693 1-G11-008-1 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.5	GEN560549 1-G06-06 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	GEN560121 1-G08-47 0.5750
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	EASTDC - WELSH 345KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.3	GEN562020 1-G11_021_3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.2	GEN531503 1-CIMRRN 1 34.500
FDNS	03G11_017	2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.2	GEN560329 1-G10-45 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.0	GEN531459 2-S2 GENERATOR
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.9	GEN542957 1-IATAN UNIT #1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN526334 1-JONES_4 116.500
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN515365 1-CENT 21 34.500
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.8	GEN560429 1-G08-29 0.6400
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN542902 1-GPW_G1 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.8	GEN560695 1-G11-008-3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN542962 2-IATAN UNIT #2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN560514 1-G04_014 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN560694 1-G11-008-2 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.6	GEN515393 1-OGEWND2G
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	GEN562023 1-G11_020_3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	GEN562026 1-G11_019_3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.3	GEN539807 1-G05-12 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.2	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	118.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	118.0	GEN560238 1-G10-09 0.6900
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.8	GEN560659 1-G07-38 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.7	GEN562035 1-G11_016_3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.7	GEN560432 1-G08-124 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.7	GEN560693 1-G11-008-1 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.6	GEN560549 1-G06-06 0.6900
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.3	GEN560329 1-G10-45 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	117.2	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	117.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.9	GEN560429 1-G08-29 0.6400
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.6	GEN562032 1-G11_017_3 0.6900
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.4	GEN523117 1-BUFF_DUNES210.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	116.3	GEN562032 1-G11_017 3 0.6900
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.3	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	114.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	113.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	112.2	DBL-HTCH-BVR
FDNS		3	2	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03G11_017		2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	160.3	DBL-THIS-CLR
FDNS		3	2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	158.1	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	138.8	DBL-SPRVL-CL
FDNS	03G11_017		2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	133.3	DBL-IRON-CLR
FDNS		3	2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	131.2	DBL-IRON-CLR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	115.2	DBL-SPRVL-CL
FDNS		3	2	14G	G11_017	TO->FROM	GREENSBURG - SSTARTP3 115.00 115KV CKT 1	115.1	0.034	113.2	DBL-SPRVL-CL
FDNS	03G11_017		2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	148.8	DBL-THIS-CLR
FDNS		3	2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	146.7	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	127.7	DBL-SPRVL-CL
FDNS	03G11_017		2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	122.4	DBL-IRON-CLR
FDNS		3	2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	120.3	DBL-IRON-CLR
FDNS	03G11_017		2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	104.5	DBL-SPRVL-CL
FDNS		3	2	14G	G11_017	FROM->TO	GREENSBURG - SUN CITY 115KV CKT 1	115.1	0.034	102.4	DBL-SPRVL-CL
FDNS	03G11_017		2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	236.4	DBL-WICH-THI
FDNS		3	2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	233.9	DBL-WICH-THI
FDNS	02ALL		2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	226.9	DBL-WICH-THI
FDNS		2	2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	199.1	DBL-WICH-THI
FDNS	01ALL		2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	191.5	DBL-WICH-THI
FDNS		1	2	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	170.8	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.042	128.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.042	112.4	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	HAYS PLANT - SOUTH HAYS 115KV CKT 1	99	0.042	110.6	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		2	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.042	121.7	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017		2	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.042	103.3	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS		3	2	14G	G11_017	FROM->TO	HAYS PLANT - VINE STREET 115KV CKT 1	88	0.042	101.3	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	KNOLL - N HAYS3 115.00 115KV CKT 1	88	0.042	108.2	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.034	143.7	DBL-THIS-CLR
FDNS		3	2	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.034	141.6	DBL-THIS-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.034	122.6	DBL-SPRVL-CL
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.034	117.4	DBL-IRON-CLR
FDNS		3	2	14G	G11_017	TO->FROM	MEDICINE LODGE - SUN CITY 115KV CKT 1	115.1	0.034	115.3	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.126	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	143.6	DBL-THIS-CLR
FDNS		3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	141.6	DBL-THIS-CLR
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	131.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.093	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.127	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03NR		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.042	126.5	DBL-WICH-THI
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.104	125.7	DBL-SPRVL-CL
FDNS	03NR		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	123.0	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.066	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	120.6	DBL-WICH-THI
FDNS	03G11_017		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	120.5	DBL-IRON-CLR
FDNS		3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	118.9	DBL-WICH-THI
FDNS		3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	118.3	DBL-IRON-CLR
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	116.7	DBL-BVR-WWRD
FDNS	03ALL		2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	116.0	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.061	114.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.070	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.058	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.086	111.6	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.064	110.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.060	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.064	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.8	BEELER - NESS CITY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.3	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	108.0	CRCKC 3 115.00 - CUDAHY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	108.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.9	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.7	GEN542951 5-HAWTHORN UNIT #5
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.7	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	COLBY - MINGO 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	GEN560140 1-G09-08 0.7000
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.057	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.6	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.4	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.4	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.093	107.4	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	107.3	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	106.3	BASE CASE
FDNS	3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.093	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.3	KNOLL 230 - SMOKYH6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.3	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1
FDNS	03NR	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	105.2	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.2	GEN599891 1-OKLAUN
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.1	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.1	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.1	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	105.0	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.9	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	104.8	HUNTSVILLE - ST_JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	104.7	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	104.4	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS	03G11_017	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	104.4	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	104.3	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	104.1	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	103.9	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.9	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.7	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.051	103.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.6	GEN539785 1-ENSGW 1 0.5750
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	103.0	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	3	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.105	102.2	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.051	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.051	100.9	SEWARD - ST JOHN 115KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.077	100.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.055	100.3	GEN560549 1-G06-06 0.6900
FDNS	03ALL	2	14G	G11_017	TO->FROM	N HAYS3 115.00 - VINE STREET 115KV CKT 1	99	0.042	100.9	KNOLL 230 - POSTROCK6 230.00 230KV CKT 1
FDNS	03G11_017	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.105	114.1	DBL-THIS-CLR
FDNS	3	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.105	112.2	DBL-THIS-CLR
FDNS	03NR	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	110.4	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.095	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03G11_017	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.090	106.0	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.082	104.8	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.090	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.105	101.3	DBL-SPRVL-CL
FDNS	03NR	2	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.041	100.1	DBL-IRON-CLR
FDNS	03ALL	2	14G	G11_017	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.042	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.042	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.043	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.038	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_017	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	121.1	DBL-IRON-CLR
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.042	119.6	DBL-WICH-THI
FDNS	03NR	3	14G	G11_017	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.056	103.5	DBL-SPRVL-CL
FDNS	03NR	3	14G	G11_017	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	104.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.119	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.048	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G11_017	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	1	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_017	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	147.7	SPP-SWPS-04



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	145.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.8	SPP-SWPS-04	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	122.5	AXTELL - POST ROCK 345KV CKT 1	
FDNS	1	2A	14G	G11_017	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	211.7	DBL-WICH-THI	
FDNS	1	2A	14G	G11_017	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	187.9	DBL-WICH-THI	
FDNS	3	0	14G	G11_018	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.045	101.8	DBL-IRON-CLR	
FDNS	01ALL	0	14G	G11_018	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.033	103.2	DBL-HTCH-BVR	
FDNS	01ALL	0	14G	G11_018	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.037	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_018	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.037	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_018	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.031	100.0	FPL SWITCH - MOORELAND 138KV CKT 1	
FDNS	3	2	14G	G11_018	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.071	122.3	DBL-THIS-CLR	
FDNS	01ALL	2A	14G	G11_018	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.064	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	3	0	14G	G11_019	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.039	116.7	DBL-WICH-THI	
FDNS	3	0	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	122.6	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	115.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	112.0	DBL-WICH-THI	
FDNS	01G11_019	0	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	104.7	DBL-WICH-THI	
FDNS	2	0	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	100.9	DBL-WICH-THI	
FDNS	3	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	225.1	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	211.9	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	206.5	DBL-WICH-THI	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	194.0	DBL-WICH-THI	
FDNS	2	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	187.4	DBL-WICH-THI	
FDNS	1	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	181.9	DBL-WICH-THI	
FDNS	00NR	0	14WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	146.9	DBL-WICH-THI	
FDNS	04ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	143.3	DBL-WICH-THI	
FDNS	00NR	0	19WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	139.3	DBL-WICH-THI	
FDNS	06ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	132.8	DBL-WICH-THI	
FDNS	6	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	127.1	DBL-WICH-THI	
FDNS	00NR	0	14SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	122.8	DBL-WICH-THI	
FDNS	00G11_019	0	14WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	119.4	DBL-WICH-THI	
FDNS	09ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	117.0	DBL-WICH-THI	
FDNS	00NR	0	19SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	116.7	DBL-WICH-THI	
FDNS	9	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	113.8	DBL-WICH-THI	
FDNS	13ALL	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	112.6	DBL-WICH-THI	
FDNS	13	0	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	112.3	DBL-WICH-THI	
FDNS	00G11_019	0	19WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	111.1	DBL-WICH-THI	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	0	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	116.3	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	112.0	DBL-WICH-THI	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	106.9	DBL-WICH-THI	
FDNS	1	0	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	100.3	DBL-WICH-THI	
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	140.2	DBL-WICH-THI	
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	127.1	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	123.5	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	121.8	DBL-HTCH-BVR	
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.091	121.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.091	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	118.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.099	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	116.1	BASE CASE
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.109	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	115.1	DBL-BVR-WWRD
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	114.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	113.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	112.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	111.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	110.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	109.8	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	108.7	DBL-HTCH-BVR
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	108.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	108.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN526334 1-JONES_4 116.500
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	107.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	106.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	106.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.3	GEN520922 1-SLEEPING BEAR
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	105.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	105.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	105.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.109	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	105.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	105.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	104.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	104.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.8	BASE CASE
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	104.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.8	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.5	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.9	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	102.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.2	GEN520997 1-MORLND2
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	102.2	DBL-BVR-WWRD
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	102.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.0	DBL-HTCH-BVR
FDNS	3	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	101.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.8	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.4	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	101.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.3	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	101.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.9	GEN515365 1-CENT 21 34.500
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	100.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.7	GEN515393 1-OGEWND2G
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	100.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	100.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	100.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.2	GEN514806 1-SOONER UNIT 2
FDNS	1	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	100.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	100.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.5	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	219.7	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	206.8	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	205.9	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	203.2	DBL-WICH-THI	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	202.4	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	202.2	WOODWARD (WOODWRD2)	138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	194.6	ELK CITY 230KV (ELKCTY-6)	230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE	230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	192.1	DBL-WICH-THI	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	189.9	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	188.1	BASE CASE	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	187.3	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	187.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.8	STATELINE INTERCHANGE - STLN-DEMARC6	230KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.8	STLN-DEMARC6 - SWEETWATER	230KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION	230KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	184.2	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	182.6	WOODWARD (WOODWRD2)	138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	181.0	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	180.7	OKLAUNION - TUCO INTERCHANGE	345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	180.3	GEN520997 1-MORLND2	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	179.9	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	179.8	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	178.2	THISTLE7	345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	178.2	THISTLE7	345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	174.0	DBL-WICH-THI	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	173.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	173.0	NORTHWEST - TATONGA7	345.00 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	172.1	WOODWARD (WOODWRD2)	138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	171.9	DBL-HTCH-BVR	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	171.7	WOODWARD (WOODWRD2)	138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	171.5	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	171.3	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	171.3	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	171.0	BASE CASE	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A)	345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	169.9	RENFROW7	345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.8	MINGO - SETAB	345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	169.7	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.4	RENFROW7	345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.2	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	169.1	BUCKNER7	345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE	345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	168.9	WOODWARD (WOODWRD2)	138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	168.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.6	MINGO - RED WILLOW	345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	168.5	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	168.5	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	168.4	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	168.3	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.1	FARGO JCT - WOODWARD	69KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	HOLCOMB - SETAB	345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	168.0	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.9	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.6	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	167.5	CIMARRON - NORTHWEST	345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	167.3	FARGO JCT - FT SUPPLY	69KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.2	GEN520922 1-SLEEPING BEAR	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	167.1	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	166.9	WOODRING (WOODRNG2)	345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	166.8	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	166.3	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.0	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	163.9	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	163.2	DBL-IRON-CLR
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.6	DBL-THIS-CLR
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.9	GEN520997 1-MORLND2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	BASE CASE
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.4	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.2	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.2	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN542962 2-IATAN UNIT #2
FNSL	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.1	DOVER - DOVER SW 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN515393 1-OGEWND2G
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN515365 1-CENT 21 34.500
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	160.5	DBL-BVR-WWRD
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	160.5	DBL-HTCH-BVR
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.2	GEN523122 1-NBLWND-WTG10.6900
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN645012 2-NEBRASKA CITY 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN523121 1-NBLWND-WTG110.6900
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.0	GEN523123 1-NBLWND-WTG10.6900
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.7	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.7	GEN526334 1-JONES_4 116.500
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	159.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.6	GEN526332 1-JONES GEN #2 21 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN560429 1-G08-29 0.6400	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.1	GEN560586 1-G06-44-4 4.1600	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.0	BASE CASE	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	158.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	158.7	GEN560585 1-G06-44-3 4.1600	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.3	GEN520997 1-MORLND2	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.3	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.1	GEN515389 1-TLGAWND1 34.500	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.0	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	156.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.7	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	156.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	156.5	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.3	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.2	GEN520997 1-MORLND2	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	156.2	GEN520922 1-SLEEPING BEAR	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.1	BASE CASE	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.0	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.0	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	156.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.7	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	155.5	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.4	GEN560256 1-G10-14-1 0.6900	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	155.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.2	GEN560257 1-G10-14-2 0.6900	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	155.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	155.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	155.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.6	GEN562042 1-G11_014 3 0.6900
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	153.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	153.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	153.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.6	MINGO - SETAB 345KV CKT 1
FDNS	2	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	152.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	151.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.6	GEN521120 1-BUFBEAR2
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	151.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	GEN509416 1-TURK GENERATION
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN520947 1-HUGO1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	150.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	GEN509394 1-FLINT CREEK
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	150.2	GEN562017 1-G11_022 3 0.6900
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	150.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.7	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	149.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.1	GEN562020 1-G11_021 3 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	149.1	DBL-BVR-WWRD
FDNS	02ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	148.7	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	DBL-HTCH-BVR
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	147.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.4	GEN515389 1-TLGAWND1 34.500
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	147.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.8	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN562020 1-G11_021_3 0.6900
FNSL	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	146.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	145.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	145.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	145.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.0	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	144.9	GEN514806 1-SOONER UNIT 2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	144.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	144.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	144.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.2	MINGO - SETAB 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	143.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	143.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	BASE CASE
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	143.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.3	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.3	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.2	GEN509416 1-TURK GENERATION
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.2	GEN521120 1-BUFBEAR2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.1	GEN520947 1-HUGO1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.9	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	142.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.9	GEN514806 1-SOONER UNIT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.9	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.8	GEN336821 1-GRAND GULF UNIT
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.8	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509406 1-WELSH #3
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509405 1-WELSH #2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509404 1-WELSH #1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	142.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.6	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.5	GEN560648 1-G07-21 0.5750
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	142.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	141.9	DEWEY - TALOGA 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	141.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	141.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	141.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.0	DBL-HTCH-BVR
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.2	GEN515397 1-OUSPRT 1 34.500
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.2	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.7	GEN520922 1-SLEEPING BEAR
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	GEN560175 1-G07-44 0.5750
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.4	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.4	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	BRANTLEY - DURHAM 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	GEN515042 1-SEMINOLE 3G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN509416 1-TURK GENERATION
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	GEN562017 1-G11_022_3 0.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN520947 1-HUGO1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN542957 1-IATAN UNIT #1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN560121 1-G08-47 0.5750
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN527161 1-MUSTANG GEN #1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN527162 1-MUSTANG GEN #2
FNSL	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN562020 1-G11_021_3 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN515449 1-CRSRDW11 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	EASTDC - WELSH 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN542962 2-IATAN UNIT #2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	GEN515450 1-CRSRDW21 0.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	GEN526334 1-JONES_4 116.500
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	DOVER - DOVER SW 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	138.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509406 1-WELSH #3
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509405 1-WELSH #2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509404 1-WELSH #1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	138.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN515041 1-SEMINOLE 2G
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.9	GEN509394 1-FLINT CREEK
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	137.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.5	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	137.4	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	137.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	136.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	136.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	136.7	DBL-BVR-WWRD
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560224 1-G07-62-4 0.6900
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	136.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	136.0	GEN560648 1-G07-21 0.5750
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN531459 2-S2 GENERATOR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN539785 1-ENSNW 1 0.5750
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.8	DOVER - DOVER SW 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN560121 1-G08-47 0.5750
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN515365 1-CENT 21 34.500
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	GEN515393 1-OGEWND2G
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.2	GEN526334 1-JONES_4 116.500
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	135.1	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	135.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	135.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.0	GEN659118 1-LARAMIE RIVER UNIT1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN515393 1-OGEWIND2G
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	GEN560514 1-G04_014 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.6	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.5	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.3	GEN560238 1-G10-09 0.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.0	GEN515397 1-OUSPR1 34.500
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.7	GEN560175 1-G07-44 0.5750
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN560659 1-G07-38 0.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN560432 1-G08-124 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.6	GEN560282 1-G08-19 0.6000
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN531503 1-CIMRRN 1 34.500
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	133.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560693 1-G11-008-1 0.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.4	GEN542957 1-IATAN UNIT #1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN515365 1-CENT 21 34.500
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.0	GEN562026 1-G11_019_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	GEN515393 1-0GEWWD2G
FDNS	04ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	BASE CASE
FDNS	01ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	132.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.8	GEN527161 1-MUSTANG GEN #1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.8	GEN527162 1-MUSTANG GEN #2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.7	GEN560586 1-G06-44-4 4.1600
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	132.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN526334 1-JONES_4 116.500
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.1	GEN523117 1-BUFF_DUNES210.6900
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	132.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN562032 1-G11_017_3 0.6900
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	131.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.4	GEN514805 1-SOONER UNIT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.3	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	131.2	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	130.7	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.7	GEN560371 1-G07-46 0.6900
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	GEN560257 1-G10-14-2 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560222 1-G07-62-2 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	130.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_019	0 14G	G11_019	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.2	GEN515365 1-CENT 21 34.500
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	130.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	130.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	129.7	DBL-BVR-WWRD
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	129.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	129.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	129.4	GEN514806 1-SOONER UNIT 2
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	129.4	GEN515393 1-OGEWND2G
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.2	GEN562042 1-G11_014_3 0.6900
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	128.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	128.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.2	MINGO - SETAB 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.2	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	127.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.5	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	127.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.4	GEN509416 1-TURK GENERATION
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN520947 1-HUGO1
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN336821 1-GRAND GULF UNIT
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN521120 1-BUFBEAR2
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.2	GEN515223 1-MUSKOGEE 4G
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	GEN515225 1-MUSKOGEE 5G
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.0	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.0	MINGO - RED WILLOW 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509406 1-WELSH #3
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509405 1-WELSH #2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509404 1-WELSH #1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS		03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	126.7	DOVER SW - OKEENE 138KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.6	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.2	GEN562020 1-G11_021_3 0.6900
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.2	GEN560121 1-G08-47 0.5750
FDNS		01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.7	GEN560429 1-G08-29 0.6400
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	125.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.0	GEN562023 1-G11_020_3 0.6900
FDNS		01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.0	GEN562026 1-G11_019_3 0.6900
FDNS		01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	124.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	123.9	DBL-WICH-THI
FDNS		01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	123.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.1	IMO TAP - MEN TAP 138KV CKT 1
FDNS		06ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	GEN542957 1-IATAN UNIT #1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN562017 1-G11_022_3 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN560121 1-G08-47 0.5750
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN542962 2-IATAN UNIT #2
FNSL		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN527161 1-MUSTANG GEN #1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	122.5	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN562020 1-G11_021_3 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.4	GEN515450 1-CRSRDW21 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TC%LOADING TDF	CONTINGENCY	
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.4	GEN514805 1-SOONER UNIT 1
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	122.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		01G11_019	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	122.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		01G11_019	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN560429 1-G08-29 0.6400
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN526334 1-JONES_4 116.500
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	122.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	122.0	DBL-HTCH-BVR
FDNS		01ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	122.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	121.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		01ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	121.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS		01ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	121.1	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS		03ALL	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	120.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.3	MINGO - SETAB 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	120.2	GEN514806 1-SOONER UNIT 2
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.2	GEN560648 1-G07-21 0.5750
FDNS		2	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	120.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	119.6	GEN520922 1-SLEEPING BEAR
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	119.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	119.0	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	GEN515226 1-MUSKOGEE 6G
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	GEN509416 1-TURK GENERATION
FDNS		1	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.3	GEN515397 1-OUSPRT 1 34.500
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		01G11_019	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	GEN336821 1-GRAND GULF UNIT
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	GEN520947 1-HUGO1
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.2	GEN336153 1-WATERFORD UNIT#3
FDNS		3	0 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.1	GEN515225 1-MUSKOGEE 5G

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.1	GEN515223 1-MUSKOGEE 4G
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.0	GEN560175 1-G07-44 0.5750
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.0	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.9	GEN560282 1-G08-19 0.6000
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509406 1-WELSH #3
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509405 1-WELSH #2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509404 1-WELSH #1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	117.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GEN515042 1-SEMINOLE 3G
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	117.6	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	117.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.4	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.4	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	115.9	DBL-HTCH-BVR
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	115.8	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS		2	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	115.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.7	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	115.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		6	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	114.3	GEN515365 1-CENT 21 34.500
FDNS		4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	114.2	DBL-WICH-THI
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	113.8	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560221 1-G07-62-1 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560222 1-G07-62-2 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560223 1-G07-62-3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN562017 1-G11_022_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN542957 1-IATAN UNIT #1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.4	GEN531459 2-S2 GENERATOR
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.4	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.4	DOVER SW - OKEENE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.4	GEN523461 1-BLACKHAWK GEN #1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN560121 1-G08-47 0.5750
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN562020 1-G11_021_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN542962 2-IATAN UNIT #2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN542902 1-GPW_G1 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN560695 1-G11-008-3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN560514 1-G04_014 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	113.1	DBL-WICH-THI
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN645001 1-FORT CALHOUN 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN515365 1-CENT 21 34.500
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN560694 1-G11-008-2 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.0	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.8	GEN539807 1-G05-12 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.8	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL		0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	00NR		0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.114	112.6	DBL-WICH-THI
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL		0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.0	GEN520997 1-MORLND2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	111.4	DBL-SPRVL-CL
FDNS	00G11_019		0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	111.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL		0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	110.7	DBL-BVR-WWRD
FDNS		1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	110.2	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	110.1	MOORELAND - TALOGA 138KV CKT 1
FNSL	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	109.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	9	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	108.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.8	DBL-IRON-CLR
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	108.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	108.2	DOVER SW - OKEENE 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	108.2	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	107.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	107.3	DEWEY - IODINE 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	107.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.9	GEN560429 1-G08-29 0.6400
FDNS	06ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.7	GEN520997 1-MORLND2
FDNS	4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.6	GEN520997 1-MORLND2
FDNS	4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	106.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS	00G11_019	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	105.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	6	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	105.1	DBL-WICH-THI
FDNS	4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00G11_019	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.8	GEN520998 1-MORLND3
FDNS	06ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	103.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	103.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	103.0	DBL-HTCH-BVR
FDNS	00G11_019	0	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.111	102.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	14SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	102.8	DBL-WICH-THI
FDNS	00G11_019	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	102.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00G11_019	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN520997 1-MORLND2
FDNS	6	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	102.4	GEN520997 1-MORLND2
FDNS	00NR	0	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.112	102.4	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	102.2	DBL-WICH-THI
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	102.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	06ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	4	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00G11_019	0	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	100.8	DBL-WICH-THI
FDNS	00G11_019	0	14SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	100.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	100.4	BASE CASE
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	100.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.030	116.7	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019	0	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	115.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.030	105.8	DBL-WICH-THI
FDNS	3	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	235.7	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	224.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	217.1	DBL-WICH-THI
FDNS	01G11_019	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	204.5	DBL-WICH-THI
FDNS	2	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	197.9	DBL-WICH-THI
FDNS	1	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	192.5	DBL-WICH-THI
FDNS	00NR	0	14WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	157.2	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	153.8	DBL-WICH-THI
FDNS	00NR	0	19WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	150.6	DBL-WICH-THI
FDNS	06ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	143.4	DBL-WICH-THI
FDNS	6	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	137.7	DBL-WICH-THI
FDNS	00NR	0	14SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	137.2	DBL-WICH-THI
FDNS	00NR	0	19SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	131.4	DBL-WICH-THI
FDNS	00G11_019	0	14WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	129.6	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	127.6	DBL-WICH-THI
FDNS	9	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	124.4	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	122.9	DBL-WICH-THI
FDNS	00G11_019	0	19WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	122.5	DBL-WICH-THI
FDNS	00G11_019	0	14SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	106.4	DBL-WICH-THI
FDNS	00G11_019	0	19SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	101.0	DBL-WICH-THI
FDNS	3	0	14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.042	124.9	DBL-WICH-THI
FDNS	3	0	14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.303	118.5	DBL-WICH-THI
FDNS	01G11_019	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.303	105.7	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.276	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.276	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.284	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.261	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.261	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.253	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_019	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHWARD 138KV CKT 1	153	0.039	110.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHWARD 138KV CKT 1	153	0.039	104.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_019	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_019	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	108.0	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_019	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_019	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	115.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.036	114.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	111.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.036	107.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.091	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.093	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.082	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.093	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.083	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	121.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	121.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	118.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.5	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	114.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	112.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_019	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	111.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	107.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	106.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	2	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.7	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	1	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	2	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	104.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	104.3	FPL SWITCH - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL		0 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	104.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL		0 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	103.3	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01ALL		0 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	102.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	2		0 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	102.4	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	2		0 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	101.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.036	116.4	DBL-HTCH-BVR
FDNS	3		2 14G	G11_019	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.042	111.1	DBL-WICH-THI
FDNS	3		2 14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	121.6	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	116.3	DBL-WICH-THI
FDNS	2		2 14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	101.7	DBL-WICH-THI
FDNS	3		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	223.3	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	214.2	DBL-WICH-THI
FDNS	2		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	188.6	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.040	180.9	DBL-WICH-THI
FDNS	01G11_019		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	170.3	DBL-WICH-THI
FDNS	01NR		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	164.9	DBL-WICH-THI
FDNS	1		2 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	160.2	DBL-WICH-THI
FDNS	01G11_019		2 14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.1	DBL-TGA-MATT
FDNS	01NR		2 14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.051	104.0	DBL-TGA-MATT
FDNS	1		2 14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.1	DBL-TGA-MATT
FDNS	02ALL		2 14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.067	109.7	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.060	101.6	DBL-WICH-THI
FDNS	01G11_019		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.3	DBL-TGA-MATT
FDNS	01NR		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.133	139.8	DBL-TGA-MATT
FDNS	1		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.1	DBL-TGA-MATT
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	119.9	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	116.8	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_019		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	106.6	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	105.0	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	103.4	GEN520997 1-MORLND2
FDNS	2		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	103.4	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	103.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.9	DBL-HTCH-BVR
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	100.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	100.8	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	100.1	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.7	DBL-TGA-MATT
FDNS	02ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	217.7	DBL-WICH-THI
FDNS	01NR		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	215.2	DBL-TGA-MATT

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	186.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	183.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	175.5	BASE CASE
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	174.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	171.4	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	167.9	BASE CASE
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	166.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.0	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	162.3	DBL-WICH-THI
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.4	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	159.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.6	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	158.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	157.6	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	157.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	157.2	DEWEY - IODINE 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.8	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.5	BENTON - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	156.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.4	AXTELL - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	156.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	156.0	DBL-WICH-THI	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	GEN509416 1-TURK GENERATION	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.7	GEN520947 1-HUGO1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.7	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN336821 1-GRAND GULF UNIT	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN515225 1-MUSKOGEE 5G	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	155.4	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	155.3	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509406 1-WELSH #3	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509405 1-WELSH #2	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509404 1-WELSH #1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.1	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	154.8	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	154.7	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.1	MINGO - SETAB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	152.9	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.8	DEWEY - TALOGA 138KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.2	AXTELL - POST ROCK 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	151.8	GEN520997 1-MORLND2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.0	BENTON - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.8	GEN514806 1-SOONER UNIT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.8	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.7	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.2	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN523122 1-NBLWND-WTG10.6900
FNSL	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.5	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.5	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.4	GEN645001 1-FORT CALHOUN 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.3	BASE CASE
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.2	GEN526334 1-JONES_4 116.500
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509404 1-WELSH #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN336821 1-GRAND GULF UNIT
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.2	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.9	GEN560371 1-G07-46 0.6900
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01NR	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	145.2	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	145.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	144.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN539785 1-ENSGW 1 0.5750
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN539767 1-GRAY COUNTY WIND FARM

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN526334 1-JONES_4 116.500	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN515393 1-OGEWND2G	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	142.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN542902 1-GPW_G1 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN560514 1-G04_014 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	141.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.6	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.4	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.4	MOORELAND - TALOGA 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN560659 1-G07-38 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN560432 1-G08-124 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.8	GEN560693 1-G11-008-1 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.8	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	140.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.5	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN560329 1-G10-45 0.6900	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN531503 1-CIMRRN 1 34.500	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.8	BASE CASE	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.8	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	139.6	DEWEY - TALOGA 138KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.6	BASE CASE	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	139.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	139.0	DBL-HTCH-BVR
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	138.7	DBL-WICH-THI
FNSL	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	135.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	135.6	GEN520997 1-MORLND2
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.6	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	135.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	135.0	FT SUPPLY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	134.5	GEN520997 1-MORLND2
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.5	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	134.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	134.0	DEWEY - IODINE 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		1	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	133.7	BASE CASE	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.7	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	133.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	133.6	CEDARDALE - OKEENE 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	MINGO - RED WILLOW 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	133.4	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	133.4	IODINE - MOORELAND 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	HOLCOMB - SETAB 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.8	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	132.8	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN509416 1-TURK GENERATION	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN520947 1-HUGO1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.5	BENTON - WICHITA 345KV CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	132.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN336821 1-GRAND GULF UNIT	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.4	AXTELL - POST ROCK 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN515225 1-MUSKOGEE 5G	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN515223 1-MUSKOGEE 4G	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	GEN509403 1-PIRKEY GENERATION	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	GEN336153 1-WATERFORD UNIT#3	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	132.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509406 1-WELSH #3	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509405 1-WELSH #2	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509404 1-WELSH #1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.2	FLATRDG3 - HARPER 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.1	GEN511840 1-NORTHEASTERN STATION #3	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.1	GEN515041 1-SEMINOLE 2G	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	131.9	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.9	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS		2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	131.8	SOONER - WOODRING 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	131.7	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	131.6	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.3	DEWEY - TALOGA 138KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.1	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	130.7	DBL-HTCH-BVR	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	129.9	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS		3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	129.3	DBL-BVR-WWRD	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	129.2	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	02ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	128.7	DBL-HTCH-BVR	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	128.2	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	128.2	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	128.1	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.8	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.7	EASTDC - WELSH 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.7	DOVER - DOVER SW 138KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.6	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.5	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	127.5	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.4	GEN542957 1-IATAN UNIT #1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN527161 1-MUSTANG GEN #1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN527162 1-MUSTANG GEN #2	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN515365 1-CENT 21 34.500	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN659111 2-LELAND OLDS UNIT2	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN560586 1-G06-44-4 4.1600	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.1	GEN542962 2-IATAN UNIT #2	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.1	GEN515393 1-OGEWIND2G	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN560585 1-G06-44-3 4.1600	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN526334 1-JONES_4 116.500	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN562023 1-G11_020_3 0.6900	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN562026 1-G11_019_3 0.6900	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	126.9	GEN514805 1-SOONER UNIT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.8	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.8	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	126.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.3	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.1	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.1	MINGO - SETAB 345KV CKT 1	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.0	GEN514806 1-SOONER UNIT 2	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	125.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.4	GEN560371 1-G07-46 0.6900
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.4	GEN560429 1-G08-29 0.6400
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.3	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.3	GEN560256 1-G10-14-1 0.6900
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.2	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	125.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	125.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.1	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	125.0	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.8	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.5	GEN521120 1-BUFBEAR2
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.4	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.3	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN562042 1-G11_014_3 0.6900
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN515226 1-MUSKOGEE 6G
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.1	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_019	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	124.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.9	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.9	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.9	GEN515225 1-MUSKOGEE 5G
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.8	GEN336821 1-GRAND GULF UNIT
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509406 1-WELSH #3
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509405 1-WELSH #2
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509404 1-WELSH #1
FDNS	3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.7	GEN515225 1-MUSKOGEE 5G



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.6	GEN515223 1-MUSKOGEE 4G
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.6	GRACEMONT - MINCO 345KV CKT 1
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.5	GEN515042 1-SEMINOLE 3G
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	123.5	SOONER - WOODRING 345KV CKT 1
FDNS		1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.5	GEN520997 1-MORLND2
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.4	GEN509394 1-FLINT CREEK
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.2	GEN515389 1-TLGAWN1 34.500
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	122.2	GEN562017 1-G11_022_3 0.6900
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	122.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.9	GEN514805 1-SOONER UNIT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	121.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.6	GEN560121 1-G08-47 0.5750
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.3	GEN562020 1-G11_021_3 0.6900
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	121.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	120.9	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	120.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	120.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	120.5	DBL-BVR-WWRD
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.9	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	119.9	DBL-HTCH-BVR
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	119.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	FREEDOM - WEST 69KV CKT 1
FNSL	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_019	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.4	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.4	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2	2	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN645001 1-FORT CALHOUN 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN560121 1-G08-47 0.5750	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN560696 1-G11-008-4 0.6900	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN526334 1-JONES_4 116.500	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	EASTDC - WELSH 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN562020 1-G11_021_3 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	119.3	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	EASTDC - WELSH 345KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.1	BUFFALO - WEST 69KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	119.1	DOVER - DOVER SW 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	119.1	DOVER - TWIN LAKES 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN527161 1-MUSTANG GEN #1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN527162 1-MUSTANG GEN #2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.0	GEN531459 2-S2 GENERATOR	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	119.0	DOVER - DOVER SW 138KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.0	GEN659111 2-LELAND OLDS UNIT2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.9	GEN542957 1-IATAN UNIT #1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.9	MINGO - SETAB 345KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.9	CARTER ICT - WOODWARD 69KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	118.9	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.9	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	118.8	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN526334 1-JONES_4 116.500	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN515365 1-CENT 21 34.500	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.8	GEN521120 1-BUFBEAR2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN542902 1-GPW_G1 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN560695 1-G11-008-3 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.7	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	GEN645012 2-NEBRASKA CITY 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN542962 2-IATAN UNIT #2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	118.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN560514 1-G04_014 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN560694 1-G11-008-2 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN515393 1-OGEWIND2G	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.6	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.5	GEN640009 1-COOPER NUCLEAR STATION	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.5	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.4	GEN509416 1-TURK GENERATION	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN562023 1-G11_020_3 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN562026 1-G11_019_3 0.6900	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	CARTER ICT - MOORELAND 69KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN539807 1-G05-12 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.2	GEN560648 1-G07-21 0.5750	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	GEN560238 1-G10-09 0.6900	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	118.0	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	118.0	SAND_RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.9	BASE CASE	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	117.8	IMO TAP - MEN TAP 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.8	GEN560659 1-G07-38 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN562035 1-G11_016_3 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN560432 1-G08-124 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN560693 1-G11-008-1 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.7	GEN520922 1-SLEEPING BEAR	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	GEN560549 1-G06-06 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.5	GEN645012 2-NEBRASKA CITY 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN531503 1-CIMRRN 1 34.500	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN560329 1-G10-45 0.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.1	GEN640009 1-COOPER NUCLEAR STATION	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	117.0	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.9	GEN560429 1-G08-29 0.6400	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.7	GEN560175 1-G07-44 0.5750	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN560282 1-G08-19 0.6000	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	116.4	DEWEY - TALOGA 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.4	GEN523117 1-BUFF_DUNES210.6900	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.3	GEN562032 1-G11_017_3 0.6900	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	116.2	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.2	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	MOORELAND - TALOGA 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	115.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	115.7	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	114.9	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	114.8	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.7	GEN531447 1-HOLCOMB GENERATOR	
FDNS		2	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	114.4	DEWEY - SOUTHARD 138KV CKT 1	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.4	GEN542962 2-IATAN UNIT #2	
FNSL	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN526334 1-JONES_4 116.500	
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	EASTDC - WELSH 345KV CKT 1	
FDNS		01ALL	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.2	GEN525561 1-TOLK GEN #1 24 KV	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.2	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.1	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.9	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN560648 1-G07-21 0.5750
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.7	GEN515397 1-OU SPRT 1 34.500
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	113.7	DBL-HTCH-BVR
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	113.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.3	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.3	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	113.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	112.8	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.8	GEN560175 1-G07-44 0.5750
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.7	GEN560282 1-G08-19 0.6000
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	112.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560224 1-G07-62-4 0.6900
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	112.4	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	112.2	DBL-HTCH-BVR
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.2	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	112.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	111.5	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.6	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	GEN515397 1-OU SPRT 1 34.500
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	110.0	DBL-BVR-WWRD
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	110.0	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	109.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.4	GEN515389 1-TLGAWND1 34.500
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	109.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	109.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	108.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.7	GEN515365 1-CENT 21 34.500
FDNS	03ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	108.7	DBL-BVR-WWRD
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	108.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.3	GEN515393 1-OGEWND2G
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	108.1	GEN514805 1-SOONER UNIT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	108.1	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.0	GEN562026 1-G11_019_3 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	107.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	107.7	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560222 1-G07-62-2 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560224 1-G07-62-4 0.6900
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	107.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	106.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.3	GEN515365 1-CENT 21 34.500
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.1	GEN514806 1-SOONER UNIT 2
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.0	GEN515393 1-OGEWND2G
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	105.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	105.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.9	GEN521120 1-BUFBEAR2
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.9	MINGO - SETAB 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.7	GEN515226 1-MUSKOGEE 6G
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.5	GEN520947 1-HUGO1
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.5	GEN509416 1-TURK GENERATION
FDNS	1		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	104.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	104.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	103.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	103.0	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	103.0	GEN562026 1-G11_019_3 0.6900
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	102.8	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	101.1	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	GEN542962 2-IATAN UNIT #2
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.5	BUFFALO - WEST 69KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	GEN562020 1-G11_021_3 0.6900
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	GEN526334 1-JONES_4 116.500
FDNS	01G11_019		2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	100.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.2	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN560648 1-G07-21 0.5750
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2 14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_019		2 14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	116.3	DBL-TGA-MATT
FDNS	01NR		2 14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.044	113.3	DBL-TGA-MATT
FDNS		1	2 14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.8	DBL-TGA-MATT
FDNS		3	2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	233.9	DBL-WICH-THI
FDNS	02ALL		2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	226.9	DBL-WICH-THI
FDNS		2	2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	199.1	DBL-WICH-THI
FDNS	01ALL		2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.040	191.5	DBL-WICH-THI
FDNS	01G11_019		2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	180.8	DBL-WICH-THI
FDNS	01NR		2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	175.4	DBL-WICH-THI
FDNS		1	2 14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	170.8	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL		2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	118.9	DBL-WICH-THI
FDNS		3	2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	100.9	DBL-WICH-THI
FDNS	01G11_019		2 14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	109.5	DBL-TGA-MATT
FDNS	01NR		2 14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.051	107.4	DBL-TGA-MATT
FDNS		1	2 14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	103.5	DBL-TGA-MATT
FDNS		3	2 14G	G11_019	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	104.2	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_019	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	108.5	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	104.7	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.034	103.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.090	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.081	105.9	DBL-WICH-THI
FDNS	03ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_019	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	115.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	114.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	111.8	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	111.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	111.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	108.3	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	107.4	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.031	106.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.031	104.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		2	2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	103.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		2	2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	100.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01NR	3 14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	165.5	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	3	14WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	134.2	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	126.1	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	111.7	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	105.0	DBL-WICH-THI
FDNS	01NR	3	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.050	101.7	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.129	136.3	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	100.1	DBL-WICH-THI
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.129	209.2	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	143.8	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.132	114.2	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	110.8	DBL-HTCH-BVR
FDNS	01NR	3	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	110.7	DBL-BVR-WWRD
FNSL	00NR	3	14WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.129	107.7	DBL-TGA-MATT
FDNS	00NR	3	14SP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.130	104.8	DBL-TGA-MATT
FNSL	00NR	3	19WP	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.130	102.3	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.042	110.4	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	176.1	DBL-WICH-THI
FDNS	00NR	3	14WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	144.5	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	137.4	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	126.2	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	119.7	DBL-WICH-THI
FDNS	01NR	3	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.050	105.1	DBL-TGA-MATT
FDNS	01ALL	2A	14G	G11_019	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.198	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.045	108.9	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.045	101.8	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	201.2	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	188.8	DBL-WICH-THI
FDNS	01NR	2A	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.052	182.6	DBL-WICH-THI
FDNS	1	2A	14G	G11_019	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	177.3	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.4	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.066	112.7	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.066	104.4	DBL-WICH-THI
FDNS	01NR	2A	14G	G11_019	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.071	100.8	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	122.5	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	118.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01NR	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	116.5	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	115.5	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.0	BASE CASE
FDNS	1	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	111.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	111.7	DBL-BVR-WWRD
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.3	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	110.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.0	GEN515389 1-TLGAWN1 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	110.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	107.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	GEN520947 1-HUGO1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	106.7	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	105.5	DBL-HTCH-BVR
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	105.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	105.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	103.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	103.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.0	BASE CASE
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.4	SPP-SWPS-03
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.3	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.2	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.1	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.0	GEN560282 1-G08-19 0.6000
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.7	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	100.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	100.3	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_019	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	194.2	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	184.2	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	173.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	166.7	DBL-WICH-THI
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	166.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	158.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.9	GEN520997 1-MORLND2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.3	BASE CASE
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	154.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	154.7	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	154.5	DBL-BVR-WWRD
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	153.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	153.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.2	GEN520997 1-MORLND2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	153.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	152.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.4	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	150.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	149.8	SPP-SWPS-02A
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	149.6	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	149.5	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	149.3	GEN514805 1-SOONER UNIT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	149.0	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.7	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	147.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	147.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	147.4	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	147.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.0	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	MINGO - SETAB 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.5	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.3	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.2	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.8	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.7	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.5	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.5	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.4	STATELINE INTERCHANGE - STLN-DEMARCE 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	144.8	IODINE - MOORELAND 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	143.5	SPP-SWPS-02A
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	143.5	DBL-BVR-WWRD
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	142.8	DBL-HTCH-BVR
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.6	GEN515389 1-TLGAWND1 34.500
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.8	GEN514805 1-SOONER UNIT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.4	3TERM7
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	GEN560121 1-G08-47 0.5750
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	141.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	FREEDOM - WEST 69KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.1	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	140.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN542962 2-IATAN UNIT #2
FNSL	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.7	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.6	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.5	GEN527901 1-HOBBS PLANT #1 (CT)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.4	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	140.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.0	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.9	GEN514806 1-SOONER UNIT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.7	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	139.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	MINGO - SETAB 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	SPP-AEPW-32
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.6	SPP-MKEC-08
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	BASE CASE
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	SPP-SWPS-02
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.4	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.4	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.4	GEN521120 1-BUFBEAR2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.3	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.2	GEN520947 1-HUGO1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	HOLCOMB - SETAB 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.0	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.0	GEN560648 1-G07-21 0.5750
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.9	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	137.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	135.6	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	GEN515397 1-OU SPR1 34.5000
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	134.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	134.1	SPP-SWPS-02A

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	134.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.9	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.9	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	3TERM7
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN515449 1-CRSRDW11 0.6900
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN523462 1-BLACKHAWK GEN #2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN560121 1-G08-47 0.5750
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN515450 1-CRSRDW21 0.6900
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	133.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN542957 1-IATAN UNIT #1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN527161 1-MUSTANG GEN #1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN527162 1-MUSTANG GEN #2
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN560200 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	EASTDC - WELSH 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	GEN526334 1-JONES_4 116.500
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	GEN542962 2-IATAN UNIT #2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.3	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.0	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	132.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	132.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.4	GEN645012 2-NEBRASKA CITY 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	131.8	DBL-BVR-WWRD
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.7	GEN560648 1-G07-21 0.5750
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.7	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.3	SPP-SWPS-03
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.6	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	130.4	SPP-SWPS-05	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.3	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.2	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	130.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	130.0	SPP-SWPS-04	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.8	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.8	GEN560175 1-G07-44 0.5750	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.7	GEN560282 1-G08-19 0.6000	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.6	GEN515393 1-OGEWND2G	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.4	GEN515397 1-OUSPR1 34.500	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	129.3	SPP-AEPW-32	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	SPP-SWPS-02	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.1	IODINE - MOORELAND 138KV CKT 1	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.0	SPP-MKEC-08	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.3	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.2	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.2	GEN562026 1-G11_019_3 0.6900	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.1	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.0	SPP-SWPS-02A	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	127.6	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	127.2	GEN515389 1-TLGAWND1 34.500	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	126.9	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	126.7	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	126.7	GEN514805 1-SOONER UNIT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	126.4	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.9	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560221 1-G07-62-1 0.6900	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560222 1-G07-62-2 0.6900	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560223 1-G07-62-3 0.6900	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560224 1-G07-62-4 0.6900	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.5	GEN515365 1-CENT 21 34.500	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	125.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	124.7	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.7	GEN515393 1-OGEWND2G	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	124.7	DBL-BVR-WWRD	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	124.6	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.6	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01NR	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	124.4	3TERM7	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.4	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	124.1	SPP-SWPS-05	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.8	SPP-SWPS-04	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01G11_019	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.6	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.4	MINGO - SETAB 345KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.2	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.0	SPP-AEPW-32	
FDNS	1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.0	GEN515226 1-MUSKOGEE 6G	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.9	SPP-SWPS-02
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	121.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.6	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.6	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.4	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.5	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	3TERM7
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN560121 1-G08-47 0.5750
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN542957 1-IATAN UNIT #1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN527162 1-MUSTANG GEN #2
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN527161 1-MUSTANG GEN #1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN562020 1-G11_021_3 0.6900
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	EASTDC - WELSH 345KV CKT 1
FNSL	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	GEN526334 1-JONES_4 116.500
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	GEN542962 2-IATAN UNIT #2
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.8	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.8	GEN560429 1-G08-29 0.6400
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.2	GENS32652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	117.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	116.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	116.4	GEN560648 1-G07-21 0.5750
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	116.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.1	GEN515397 1-OUSPR1 34.500
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.2	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	112.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	111.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.5	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	110.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	109.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	102.8	GEN560429 1-G08-29 0.6400
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	116.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	211.7	DBL-WICH-THI
FDNS	01G11_019		2A	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	199.3	DBL-WICH-THI
FDNS	01NR		2A	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.052	193.2	DBL-WICH-THI
FDNS		1	2A	14G	G11_019	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	187.9	DBL-WICH-THI
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	109.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_019	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	103.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	110.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	103.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.5	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	116.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	110.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_019		2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	109.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	101.9	FPL SWITCH - MOORELAND 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_019	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	100.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	CIRCLE - MULLERGRN 230KV CKT 1	318.7	0.039	116.7	DBL-WICH-THI
FDNS	3	0	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	122.6	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	115.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	112.0	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	104.7	DBL-WICH-THI
FDNS	2	0	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	100.9	DBL-WICH-THI
FDNS	3	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	225.1	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	211.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	206.5	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	194.0	DBL-WICH-THI
FDNS	2	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	187.4	DBL-WICH-THI
FDNS	1	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	181.9	DBL-WICH-THI
FDNS	00NR	0	14WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	146.9	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	143.3	DBL-WICH-THI
FDNS	00NR	0	19WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.054	139.3	DBL-WICH-THI
FDNS	06ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	132.8	DBL-WICH-THI
FDNS	6	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	127.1	DBL-WICH-THI
FDNS	00NR	0	14SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	122.8	DBL-WICH-THI
FDNS	00G11_020	0	14WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	119.4	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	117.0	DBL-WICH-THI
FDNS	00NR	0	19SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.053	116.7	DBL-WICH-THI
FDNS	9	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	112.6	DBL-WICH-THI
FDNS	13	0	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	112.3	DBL-WICH-THI
FDNS	00G11_020	0	19WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	111.1	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	112.0	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	106.9	DBL-WICH-THI
FDNS	1	0	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.068	100.3	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	140.2	DBL-WICH-THI
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	127.1	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	121.8	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.091	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.091	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	118.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.099	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	116.1	BASE CASE
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.109	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	115.1	DBL-BVR-WWRD
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	114.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	113.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	112.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	111.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	110.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.2	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	109.8	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.090	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	109.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	108.7	DBL-HTCH-BVR
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	108.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	108.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN542957 1-IATAN UNIT #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN527162 1-MUSTANG GEN #2
FNLS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.0	GEN526334 1-JONES_4 116.500
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	107.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	106.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	106.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.3	GEN520922 1-SLEEPING BEAR
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	105.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	105.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	105.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.109	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	105.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	105.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	104.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	104.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.8	BASE CASE
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.087	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	104.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	104.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.8	STATELINE INTERCHANGE - STLIN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.8	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.5	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.4	DEWEY - SOUTHARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	103.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.9	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.7	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	102.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	102.2	GEN520997 1-MORLND2
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	102.2	DBL-BVR-WWRD
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	102.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	01NR	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.101	102.0	DBL-HTCH-BVR
FDNS	3	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.098	101.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.8	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.4	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	101.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.3	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	101.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.9	GEN515365 1-CENT 21 34.500
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	100.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.7	GEN515393 1-OGEWND2G
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.081	100.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	100.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	100.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	100.2	GEN514806 1-SOONER UNIT 2
FDNS	1	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	100.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	100.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	203.2	DBL-WICH-THI
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	198.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	192.1	DBL-WICH-THI
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	189.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	188.1	BASE CASE
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.109	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	180.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	172.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	171.9	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	171.0	BASE CASE
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	169.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	169.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	166.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	166.3	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	163.9	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	163.2	DBL-IRON-CLR
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.6	DBL-THIS-CLR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.9	GEN520997 1-MORLND2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	BASE CASE
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.4	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.2	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.2	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN542962 2-IATAN UNIT #2	
FNSL	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.1	DOVER - DOVER SW 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.1	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN515393 1-OGEWND2G	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	161.0	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	161.0	GEN645001 1-FORT CALHOUN 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.7	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.5	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	160.5	DBL-BVR-WWRD	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.5	GEN523462 1-BLACKHAWK GEN #2	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	160.5	DBL-HTCH-BVR	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.2	GEN523122 1-NBLWND-WTG210.6900	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN523121 1-NBLWND-WTG110.6900	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.1	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.0	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.8	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.7	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.7	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	159.6	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.6	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.5	GEN560429 1-G08-29 0.6400	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.1	GEN560586 1-G06-44-4 4.1600	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	159.0	BASE CASE	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	158.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	158.7	GEN560585 1-G06-44-3 4.1600	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.3	GEN520997 1-MORLND2	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.3	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.1	GEN515389 1-TLGAWWD1 34.500	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	157.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	156.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	156.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	156.5	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.2	GEN520997 1-MORLND2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	156.2	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.1	BASE CASE
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.0	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.0	GEN560287 1-G10-01-2WTG 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	156.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.7	GEN560371 1-G07-46 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	155.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.4	GEN560256 1-G10-14-1 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.2	GEN560257 1-G10-14-2 0.6900
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	155.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	155.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	155.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.6	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	153.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	153.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	153.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.6	MINGO - SETAB 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	152.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.0	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	151.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.6	GEN521120 1-BUFBEAR2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.4	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	151.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.8	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	150.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	GEN509394 1-FLINT CREEK
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	150.7	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	150.2	GEN562017 1-G11_022_3 0.6900
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	150.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.7	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	149.7	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.1	GEN562020 1-G11_021_3 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	149.1	DBL-BVR-WWRD
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	148.7	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	148.1	DBL-HTCH-BVR
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	147.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.4	GEN515389 1-TLGAWND1 34.500
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	147.0	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.8	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN560121 1-G08-47 0.5750



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN562020 1-G11_021_3 0.6900
FNLS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	146.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	145.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	145.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	145.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.0	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	144.9	GEN514806 1-SOONER UNIT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	144.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	144.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	144.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	144.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	144.2	MINGO - SETAB 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	143.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	143.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.6	BASE CASE
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	143.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.3	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.3	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.2	GEN509416 1-TURK GENERATION
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.2	GEN521120 1-BUFBEAR2
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.1	GEN520947 1-HUGO1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	143.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	143.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.9	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	142.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.9	GEN514806 1-SOONER UNIT 2
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.9	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.8	GEN336821 1-GRAND GULF UNIT
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.8	GEN509403 1-PIRKEY GENERATION
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509406 1-WELSH #3
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509405 1-WELSH #2
FDNS	01G11_020	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.7	GEN509404 1-WELSH #1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	142.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.6	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	142.5	GEN560648 1-G07-21 0.5750
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	142.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	141.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	141.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	141.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.0	DBL-HTCH-BVR
FDNS	1	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0 14G	G11_020	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.6	GEN515225 1-MUSKOGEE 5G

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.2	GEN515397 1-OU SPRT 1 34.500
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	140.2	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.7	GEN520922 1-SLEEPING BEAR
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	GEN560175 1-G07-44 0.5750
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.4	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.4	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	BRANTLEY - DURHAM 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	GEN515042 1-SEMINOLE 3G
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.7	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN509416 1-TURK GENERATION
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	GEN562017 1-G11_022_3 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	GEN520947 1-HUGO1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.6	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN542957 1-IATAN UNIT #1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.5	GEN560121 1-G08-47 0.5750
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN527161 1-MUSTANG GEN #1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN527162 1-MUSTANG GEN #2
FNSL	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.4	GEN659107 2-ANTELOPE VALLEY UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN562020 1-G11_021_3 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN515449 1-CRSRDW11 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	EASTDC - WELSH 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	GEN542962 2-IATAN UNIT #2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.3	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	GEN515450 1-CRSRDW21 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.2	GEN526334 1-JONES 4 116.500
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	DOVER - DOVER SW 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	138.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509406 1-WELSH #3
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509405 1-WELSH #2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN509404 1-WELSH #1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	138.0	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN515041 1-SEMINOLE 2G
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.9	GEN509394 1-FLINT CREEK
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	137.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.5	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	137.4	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	137.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	137.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	136.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	136.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	136.7	DBL-BVR-WWRD
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.1	GEN560224 1-G07-62-4 0.6900
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	136.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	136.0	GEN560648 1-G07-21 0.5750
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN562017 1-G11_022_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN531459 2-S2 GENERATOR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN539785 1-ENSNW 1 0.5750
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.8	DOVER - DOVER SW 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN560121 1-G08-47 0.5750
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	GEN515365 1-CENT 21 34.500
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	GEN515393 1-OGEWND2G
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.4	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.2	GEN526334 1-JONES_4 116.500
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	135.1	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	135.1	BYRON_138 138.00 - SANDY_CN 138/138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.1	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	135.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.8	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN515393 1-OGEWND2G
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	GEN560514 1-G04_014 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.6	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.5	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.3	GEN560238 1-G10-09 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.0	GEN515397 1-OU SPRT 1 34.500
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.7	GEN560175 1-G07-44 0.5750
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN560659 1-G07-38 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	GEN560432 1-G08-124 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.6	GEN560282 1-G08-19 0.6000
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN531503 1-CIMRRN 1 34.500
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	133.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.5	GEN560693 1-G11-008-1 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.4	GEN542957 1-IATAN UNIT #1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	GEN515365 1-CENT 21 34.500
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	133.0	GEN562026 1-G11_019_3 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	GEN515393 1-OGFWND2G
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	EASTDC - WELSH 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	BASE CASE
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN562023 1-G11_020_3 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN562026 1-G11_019_3 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	132.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.8	GEN527161 1-MUSTANG GEN #1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.8	GEN527162 1-MUSTANG GEN #2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.7	GEN560586 1-G06-44-4 4.1600
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	132.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.4	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.087	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.1	GEN523117 1-BUFF_DUNES210.6900	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	132.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN645012 2-NEBRASKA CITY 2	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.9	GEN562032 1-G11_017_3 0.6900	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.5	GEN515389 1-TLGAWND1 34.500	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	131.5	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.4	GEN514805 1-SOONER UNIT 1	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.3	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.2	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	131.2	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.0	MOORELAND - TALOGA 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.8	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	130.7	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.7	GEN560371 1-G07-46 0.6900	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.5	GEN560256 1-G10-14-1 0.6900	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	GEN560257 1-G10-14-2 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560221 1-G07-62-1 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560222 1-G07-62-2 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560223 1-G07-62-3 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN560224 1-G07-62-4 0.6900	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	130.3	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.3	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	130.2	GEN515365 1-CENT 21 34.500	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	130.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	130.0	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	129.7	DBL-BVR-WWRD	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.6	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	129.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.6	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	129.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	129.4	GEN514806 1-SOONER UNIT 2	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	129.4	GEN515393 1-OGEWND2G	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.3	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.2	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	129.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	128.9	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	128.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	128.2	MINGO - SETAB 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.2	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.7	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	127.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.5	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	127.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.4	GEN509416 1-TURK GENERATION
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN520947 1-HUGO1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN336821 1-GRAND GULF UNIT
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.3	GEN521120 1-BUFBEAR2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.2	GEN515223 1-MUSKOGEE 4G
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	GEN515225 1-MUSKOGEE 5G
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.1	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	127.0	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509406 1-WELSH #3
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509405 1-WELSH #2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN509404 1-WELSH #1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	126.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.6	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.2	GEN562020 1-G11_021_3 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.2	GEN560121 1-G08-47 0.5750
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.7	GEN560429 1-G08-29 0.6400
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	125.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.0	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.0	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	124.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	123.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	123.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	4	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.1	IMO TAP - MEN TAP 138KV CKT 1
FDNS	06ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.8	GEN542957 1-IATAN UNIT #1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.7	GEN560121 1-G08-47 0.5750
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN542962 2-IATAN UNIT #2
FNSL	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN527162 1-MUSTANG GEN #2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN527161 1-MUSTANG GEN #1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	122.5	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.5	EASTDC - WELSH 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.4	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	122.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	122.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN560429 1-G08-29 0.6400
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN526334 1-JONES_4 116.500
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	122.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.3	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	122.0	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	122.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	121.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	121.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	121.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	120.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.3	MINGO - SETAB 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	120.2	GEN514806 1-SOONER UNIT 2
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.2	GEN560648 1-G07-21 0.5750
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	120.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	119.6	GEN520922 1-SLEEPING BEAR
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	119.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	119.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	118.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	GEN515226 1-MUSKOGEE 6G
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.4	GEN509416 1-TURK GENERATION
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.3	GEN515397 1-OUSPRT 1 34.500
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	CEDARDALE - OKEENE 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	GEN336821 1-GRAND GULF UNIT
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.3	GEN520947 1-HUGO1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.2	GEN336153 1-WATERFORD UNIT#3
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.1	GEN515225 1-MUSKOGEE 5G
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.1	GEN515223 1-MUSKOGEE 4G
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	118.0	GEN560175 1-G07-44 0.5750
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	118.0	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.9	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509406 1-WELSH #3
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509405 1-WELSH #2
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN509404 1-WELSH #1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	SOONER - WOODRING 345KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	117.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GEN509394 1-FLINT CREEK
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GEN515042 1-SEMINOLE 3G
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	117.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	117.1	GEN531447 1-HOLCOMB GENERATOR	
FDNS		2	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	117.0	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560221 1-G07-62-1 0.6900	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560222 1-G07-62-2 0.6900	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560223 1-G07-62-3 0.6900	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	GEN560224 1-G07-62-4 0.6900	
FDNS		03ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		2	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		03ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.4	MOORELAND - NINE MILE 138KV CKT 1	
FDNS		01G11_020	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.4	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.3	DEWEY - SOUTHARD 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.0	GEN525561 1-TOLK GEN #1 24 KV	
FDNS		2	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	115.9	DBL-HTCH-BVR	
FDNS		01G11_020	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	115.8	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS		2	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	115.7	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS		01G11_020	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.7	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	115.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS		01ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	115.0	GEN525562 1-TOLK GEN #2 24 KV	
FDNS		01ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	115.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS		04ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.7	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS		6	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS		04ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	114.3	GEN515365 1-CENT 21 34.500	
FDNS		4	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	114.2	DBL-WICH-THI	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	113.8	GEN515393 1-OGEWND2G	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560221 1-G07-62-1 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560222 1-G07-62-2 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560223 1-G07-62-3 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.6	GEN560224 1-G07-62-4 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.5	DOVER - TWIN LAKES 138KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN562017 1-G11_022_3 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN542957 1-IATAN UNIT #1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.5	GEN659111 2-LELAND OLDS UNIT2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.4	GEN531459 2-S2 GENERATOR	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	113.4	DOVER - DOVER SW 138KV CKT 1	
FDNS		1	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.4	DOVER SW - OKEENE 138KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.4	GEN523461 1-BLACKHAWK GEN #1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN523462 1-BLACKHAWK GEN #2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN560121 1-G08-47 0.5750	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN562020 1-G11_021_3 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN542962 2-IATAN UNIT #2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.2	GEN542902 1-GPW_G1 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN560695 1-G11-008-3 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN560514 1-G04_014 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		06ALL	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	113.1	DBL-WICH-THI	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN527161 1-MUSTANG GEN #1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	GEN527162 1-MUSTANG GEN #2	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	EASTDC - WELSH 345KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN645001 1-FORT CALHOUN 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN515365 1-CENT 21 34.500	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.0	GEN560694 1-G11-008-2 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.0	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.8	GEN539807 1-G05-12 0.6900	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.8	GEN526334 1-JONES_4 116.500	
FDNS		3	0 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN515393 1-OGEWND2G	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	00NR	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.114	112.6	DBL-WICH-THI	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	112.0	GEN520997 1-MORLND2	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	111.4	DBL-SPRVL-CL
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	111.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	111.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	110.7	DBL-BVR-WWRD	
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	110.2	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	110.1	MOORELAND - TALOGA 138KV CKT 1
FNSL		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.8	MOORELAND - NINE MILE 138KV CKT 1	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	109.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		9	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	109.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	108.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	108.8	DBL-IRON-CLR
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	108.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	108.2	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	108.2	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	107.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	107.3	DEWEY - IODINE 138KV CKT 1	
FDNS		3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	107.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.9	GEN560429 1-G08-29 0.6400

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	06ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.7	GEN520997 1-MORLND2
FDNS	4	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	106.6	GEN520997 1-MORLND2
FDNS	4	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	106.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	105.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	6	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	105.1	DBL-WICH-THI
FDNS	4	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	104.8	GEN520998 1-MORLND3
FDNS	06ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	103.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	103.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	103.0	DBL-HTCH-BVR
FDNS	00G11_020	0	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.111	102.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	00NR	0	14SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	102.8	DBL-WICH-THI
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.112	102.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	102.8	GEN520997 1-MORLND2
FDNS	6	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	102.4	GEN520997 1-MORLND2
FDNS	00NR	0	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.112	102.4	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	102.2	DBL-WICH-THI
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	102.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	101.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	06ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	4	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	00G11_020	0	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	100.8	DBL-WICH-THI
FDNS	00G11_020	0	14SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	100.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	100.4	BASE CASE
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	04ALL	0	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	100.2	RENFROW4 138.00 - SAND RDG. 138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.030	116.7	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	115.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	0	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.030	105.8	DBL-WICH-THI
FDNS	3	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	235.7	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	224.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	217.1	DBL-WICH-THI
FDNS	01G11_020	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	204.5	DBL-WICH-THI
FDNS	2	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	197.9	DBL-WICH-THI
FDNS	1	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	192.5	DBL-WICH-THI
FDNS	00NR	0	14WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	157.2	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	153.8	DBL-WICH-THI
FDNS	00NR	0	19WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.054	150.6	DBL-WICH-THI
FDNS	06ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	143.4	DBL-WICH-THI
FDNS	6	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	137.7	DBL-WICH-THI
FDNS	00NR	0	14SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	137.2	DBL-WICH-THI
FDNS	00NR	0	19SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.053	131.4	DBL-WICH-THI
FDNS	00G11_020	0	14WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	129.6	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	127.6	DBL-WICH-THI
FDNS	9	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	124.4	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	122.9	DBL-WICH-THI
FDNS	00G11_020	0	19WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	122.5	DBL-WICH-THI
FDNS	00G11_020	0	14SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	106.4	DBL-WICH-THI
FDNS	00G11_020	0	19SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	101.0	DBL-WICH-THI
FDNS	3	0	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.042	124.9	DBL-WICH-THI
FDNS		3	0	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.303	118.5	DBL-WICH-THI
FDNS		01G11_020	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.303	105.7	DBL-WICH-THI
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.276	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.276	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.284	103.2	DBL-HTCH-BVR
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.261	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.261	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.253	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		01ALL	0	14G	G11_020	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.257	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01G11_020	0	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	110.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	104.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_020	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	108.8	DBL-WICH-THI
FDNS		04ALL	0	14G	G11_020	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	108.0	DBL-WICH-THI
FDNS		03ALL	0	14G	G11_020	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	102.8	BENTON - WICHITA 345KV CKT 1
FDNS		03ALL	0	14G	G11_020	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.5	BENTON - WICHITA 345KV CKT 1
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	115.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.036	114.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	111.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		01G11_020	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.036	107.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.091	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.093	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.082	109.5	DBL-WICH-THI
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.093	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		02ALL	0	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.083	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	121.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	121.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	118.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.5	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		02ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	114.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		01G11_020	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	112.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01G11_020	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	111.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	107.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	106.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		2	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.8	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		01ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.7	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	105.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		2	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	104.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	104.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	104.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		03ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	103.3	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		01ALL	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	102.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		2	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	102.4	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		2	0	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.036	101.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		02ALL	2	14G	G11_020	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.036	116.4	DBL-HTCH-BVR
FDNS		3	2	14G	G11_020	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.042	111.1	DBL-WICH-THI
FDNS		3	2	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	121.6	DBL-WICH-THI
FDNS		02ALL	2	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.046	116.3	DBL-WICH-THI
FDNS		2	2	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.047	101.7	DBL-WICH-THI
FDNS		3	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	223.3	DBL-WICH-THI
FDNS		02ALL	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	214.2	DBL-WICH-THI
FDNS		2	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	188.6	DBL-WICH-THI
FDNS		01ALL	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.040	180.9	DBL-WICH-THI
FDNS		01G11_020	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	170.3	DBL-WICH-THI
FDNS		01NR	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	164.9	DBL-WICH-THI
FDNS		1	2	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	160.2	DBL-WICH-THI
FDNS		01G11_020	2	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.1	DBL-TGA-MATT
FDNS		01NR	2	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.051	104.0	DBL-TGA-MATT
FDNS		1	2	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.1	DBL-TGA-MATT
FDNS		02ALL	2	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.067	109.7	DBL-WICH-THI
FDNS		01ALL	2	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.060	101.6	DBL-WICH-THI
FDNS		01G11_020	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.3	DBL-TGA-MATT
FDNS		01NR	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.133	139.8	DBL-TGA-MATT
FDNS		1	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.1	DBL-TGA-MATT

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.106	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01G11_020	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	106.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_020	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	105.0	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	103.4	GEN520997 1-MORLND2
FDNS	2	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	103.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.9	DBL-HTCH-BVR
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.107	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	100.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01NR	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.096	100.8	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	100.1	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.088	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.7	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	217.7	DBL-WICH-THI
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.133	215.2	DBL-TGA-MATT
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.106	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	186.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	183.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	175.5	BASE CASE
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	174.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	171.4	GEN520997 1-MORLND2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	167.9	BASE CASE
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	166.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	164.0	GEN520997 1-MORLND2
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	162.3	DBL-WICH-THI
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.107	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	161.4	MINGO - SETAB 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	159.7	DEWEY - TALOGA 138KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.7	MINGO - RED WILLOW 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.6	GEN514805 1-SOONER UNIT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	158.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	158.3	HOLCOMB - SETAB 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	157.6	GEN514806 1-SOONER UNIT 2
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	157.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	157.2	DEWEY - IODINE 138KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.8	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	156.5	BENTON - WICHITA 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	156.5	GEN520922 1-SLEEPING BEAR
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.4	AXTELL - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	156.4	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	156.0	DBL-WICH-THI
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	GEN515042 1-SEMINOLE 3G
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.8	GEN509416 1-TURK GENERATION
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.7	GEN520947 1-HUGO1
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.7	GEN515226 1-MUSKOGEE 6G
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN336821 1-GRAND GULF UNIT
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN515225 1-MUSKOGEE 5G
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.4	GEN515223 1-MUSKOGEE 4G
FDNS		02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	155.4	FLATRDG3 - HARPER 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	CIRCLE - MULLERGEN 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.3	MULLERGEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	155.3	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509406 1-WELSH #3
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509405 1-WELSH #2
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN509404 1-WELSH #1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	155.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	154.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	154.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.1	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	152.9	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	152.8	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	152.6	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	151.8	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.8	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.2	MULLERGEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	CIRCLE - MULLERGEN 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN523122 1-NBLWND-WTG210.6900
FNLS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.6	GEN523121 1-NBLWND-WTG110.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	149.5	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.5	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.5	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.4	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.4	GEN645001 1-FORT CALHOUN 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.3	BASE CASE	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.2	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	149.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	149.1	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.9	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN509416 1-TURK GENERATION	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN520947 1-HUGO1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.8	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	CLEARWATER - MILAN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.8	GEN560586 1-G06-44-4 4.1600	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.6	GEN515225 1-MUSKOGEE 5G	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.6	GEN515223 1-MUSKOGEE 4G	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	148.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.4	GEN560585 1-G06-44-3 4.1600	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509403 1-PIRKEY GENERATION	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509406 1-WELSH #3	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509405 1-WELSH #2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.3	GEN509404 1-WELSH #1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	AXTELL - PAULINE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN336821 1-GRAND GULF UNIT	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.2	GEN501801 1-DOLET HILLS UNIT1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	BENTON - ROSE HILL 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	GEN509394 1-FLINT CREEK	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.1	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	148.1	GEN336153 1-WATERFORD UNIT#3	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.9	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.5	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	147.4	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.4	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.4	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.4	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	146.2	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.9	GEN560256 1-G10-14-1 0.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.9	GEN560371 1-G07-46 0.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.5	GEN560257 1-G10-14-2 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN520997 1-MORLND2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.096	145.2	DBL-WICH-THI	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	145.1	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	145.0	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	144.9	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	144.2	GEN562042 1-G11_014_3 0.6900	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	144.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560221 1-G07-62-1 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560222 1-G07-62-2 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560223 1-G07-62-3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.9	GEN560224 1-G07-62-4 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.8	GEN523461 1-BLACKHAWK GEN #1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.7	GEN531208 1-FLTRDG-WG1 0.6000	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.6	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.6	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.5	DOVER - DOVER SW 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.5	GEN539762 1-SSWIND 1 34.500	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN539785 1-ENSGW 1 0.5750	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN560267 1-G10-15-1 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.4	GEN560268 1-G10-15-2 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN526334 1-JONES_4 116.500	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.2	GEN515393 1-OGEWND2G	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.1	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	142.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN560695 1-G11-008-3 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.3	GEN542902 1-GPW_G1 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	142.1	GEN560514 1-G04_014 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	141.9	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.6	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.4	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.4	MOORELAND - TALOGA 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN560659 1-G07-38 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.9	GEN560432 1-G08-124 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.8	GEN560693 1-G11-008-1 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.8	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	140.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.5	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN560329 1-G10-45 0.6900	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	GEN531503 1-CIMRRN 1 34.500	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	139.8	BASE CASE	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.8	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	139.6	DEWEY - TALOGA 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.6	BASE CASE	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	139.5	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.2	GEN523117 1-BUFF_DUNES210.6900	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	139.0	DBL-HTCH-BVR	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	139.0	GEN562032 1-G11_017_3 0.6900	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	138.9	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.8	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	138.7	DBL-WICH-THI	
FNSL	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	138.6	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	138.6	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	138.1	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	137.8	DEWEY - IODINE 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	137.6	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	137.3	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.6	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	136.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	135.6	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	135.6	GEN520997 1-MORLND2	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	135.6	DEWEY - TALOGA 138KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	135.5	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	135.1	FLK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	135.0	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	135.0	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.7	MINGO - SETAB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	134.5	GEN520997 1-MORLND2	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.5	GEN514806 1-SOONER UNIT 2	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	134.5	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	134.2	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	134.0	DEWEY - IODINE 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	133.7	BASE CASE	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.7	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	133.6	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	133.6	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.6	MINGO - RED WILLOW 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	133.4	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	133.4	IODINE - MOORELAND 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	HOLCOMB - SETAB 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.8	GEN515042 1-SEMINOLE 3G	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	132.8	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN509416 1-TURK GENERATION	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN520947 1-HUGO1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	GEN515226 1-MUSKOGEE 6G	
FDNS	02ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.5	BENTON - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	132.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN336821 1-GRAND GULF UNIT
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN515225 1-MUSKOGEE 5G
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.4	GEN515223 1-MUSKOGEE 4G
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	GEN509403 1-PIRKEY GENERATION
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	132.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509406 1-WELSH #3
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509405 1-WELSH #2
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN509404 1-WELSH #1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.1	GEN515041 1-SEMINOLE 2G
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	131.8	SOONER - WOODRING 345KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	131.7	GEN520922 1-SLEEPING BEAR
FDNS	02ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.1	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	130.7	DBL-HTCH-BVR
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	129.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	129.3	DBL-BVR-WWRD
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	129.2	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	128.7	DBL-HTCH-BVR
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.6	SAND RDG_138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	128.2	GEN514805 1-SOONER UNIT 1
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	128.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	128.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.7	EASTDC - WELSH 345KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.7	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.6	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	127.5	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	127.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.4	GEN542957 1-IATAN UNIT #1
FDNS	2		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN527161 1-MUSTANG GEN #1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN527162 1-MUSTANG GEN #2
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN515365 1-CENT 21 34.500
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN560586 1-G06-44-4 4.1600
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.1	GEN542962 2-IATAN UNIT #2
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.1	GEN515393 1-OGEWND2G
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN560585 1-G06-44-3 4.1600
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	127.0	GEN526334 1-JONES_4 116.500
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.9	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	126.9	GEN514805 1-SOONER UNIT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.8	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	126.1	MINGO - SETAB 345KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	126.0	GEN514806 1-SOONER UNIT 2
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	125.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.4	GEN560429 1-G08-29 0.6400
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.4	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.3	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	125.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	125.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	125.1	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_020	2	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	125.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	125.0	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.8	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.5	GEN521120 1-BUFBEAR2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.4	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.3	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	124.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN562042 1-G11_014_3 0.6900
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN515226 1-MUSKOGEE 6G
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	124.1	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	124.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.9	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.9	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.9	GEN515225 1-MUSKOGEE 5G
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.8	GEN336821 1-GRAND GULF UNIT
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509406 1-WELSH #3
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509405 1-WELSH #2
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN509404 1-WELSH #1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.7	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.6	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.6	GEN501801 1-DOLETT HILLS UNIT1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.6	GRACEMONT - MINCO 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.5	GEN515042 1-SEMINOLE 3G
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.5	GEN520997 1-MORLND2
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.4	GEN509394 1-FLINT CREEK
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.2	GEN515389 1-TLGAWND1 34.500
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	122.2	GEN562017 1-G11_022_3 0.6900
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	122.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.9	GEN514805 1-SOONER UNIT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	121.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.6	GEN560121 1-G08-47 0.5750
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.3	GEN562020 1-G11_021_3 0.6900
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	121.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	120.9	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	120.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	120.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	120.5	DBL-BVR-WWRD
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.9	GEN514806 1-SOONER UNIT 2
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	119.9	DBL-HTCH-BVR
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	119.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.6	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	FREEDOM - WEST 69KV CKT 1
FNSL	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.4	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.4	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN645001 1-FORT CALHOUN 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN560121 1-G08-47 0.5750
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN526334 1-JONES_4 116.500
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	EASTDC - WELSH 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	119.1	BUFFALO - WEST 69KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	119.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN527161 1-MUSTANG GEN #1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN527162 1-MUSTANG GEN #2
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.0	GEN531459 2-S2 GENERATOR
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	119.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.9	GEN542957 1-IATAN UNIT #1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.9	MINGO - SETAB 345KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	118.9	MATHWSN7 345.00 - WOODRING 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.9	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	118.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN526334 1-JONES_4 116.500	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN515365 1-CENT 21 34.500	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.8	GEN521120 1-BUFBEAR2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN542902 1-GPW_G1 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.8	GEN560695 1-G11-008-3 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.7	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	GEN645012 2-NEBRASKA CITY 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN542962 2-IATAN UNIT #2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	118.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN560514 1-G04_014 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN560694 1-G11-008-2 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.6	GEN515393 1-OGEWND2G	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.6	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.5	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.5	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.4	GEN509416 1-TURK GENERATION	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN562023 1-G11_020_3 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN562026 1-G11_019_3 0.6900	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.3	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	GEN539807 1-G05-12 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.2	GEN560648 1-G07-21 0.5750	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	118.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	GEN560238 1-G10-09 0.6900	
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	118.0	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	118.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.9	BASE CASE	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	117.8	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.8	GEN560659 1-G07-38 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN562035 1-G11_016_3 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN560432 1-G08-124 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN560693 1-G11-008-1 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	117.7	GEN520922 1-SLEEPING BEAR	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	GEN560549 1-G06-06 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.5	GEN645012 2-NEBRASKA CITY 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN531503 1-CIMRRN 1 34.500	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN560329 1-G10-45 0.6900	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.1	GEN640009 1-COOPER NUCLEAR STATION	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	117.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.9	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.7	GEN560175 1-G07-44 0.5750
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN560282 1-G08-19 0.6000
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	116.4	DEWEY - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	116.3	GEN562032 1-G11_017_3 0.6900
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	116.2	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	116.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.7	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.4	GEN542962 2-IATAN UNIT #2
FNSL	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	GEN526334 1-JONES_4 116.500
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.2	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	114.1	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	114.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.9	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN560648 1-G07-21 0.5750
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.7	GEN515397 1-OU SPRT 1 34.500
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	113.7	DBL-HTCH-BVR
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.5	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	113.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.3	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_020		2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.3	GEN645012 2-NEBRASKA CITY 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	113.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	113.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	112.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.8	GEN560175 1-G07-44 0.5750
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.7	GEN560282 1-G08-19 0.6000
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	112.7	BORDER 7345.00 - TUCCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.6	GEN560224 1-G07-62-4 0.6900
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	112.4	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	112.2	DBL-HTCH-BVR
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.2	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	112.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	111.5	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.6	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	GEN515397 1-OUSPR1 34.500
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01NR	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	110.0	DBL-BVR-WWRD
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	110.0	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	110.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	109.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.4	GEN515389 1-TLGAWND1 34.500
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	109.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	109.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	109.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	108.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.7	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	108.7	DBL-BVR-WWRD
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	108.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.3	GEN515393 1-OGEWND2G
FDNS	1	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	108.1	GEN514805 1-SOONER UNIT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	108.1	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	108.0	GEN562026 1-G11_019_3 0.6900
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	107.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020	2	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	107.7	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020		2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560221 1-G07-62-1 0.6900
FDNS	01G11_020		2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560222 1-G07-62-2 0.6900
FDNS	01G11_020		2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560223 1-G07-62-3 0.6900
FDNS	01G11_020		2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	107.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	107.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	106.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.3	GEN515365 1-CENT 21 34.500
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.1	GEN514806 1-SOONER UNIT 2
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	106.0	GEN515393 1-OGEWND2G
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	105.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	105.7	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.9	GEN521120 1-BUFBEAR2
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.9	MINGO - SETAB 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.7	GEN515226 1-MUSKOGEE 6G
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	104.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.5	GEN520947 1-HUGO1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	104.5	GEN509416 1-TURK GENERATION
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	104.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		01ALL	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	104.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		01ALL	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	103.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	103.0	GEN562023 1-G11_020_3 0.6900
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	103.0	GEN562026 1-G11_019_3 0.6900
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	102.8	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	101.1	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	GEN542962 2-IATAN UNIT #2
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.5	BUFFALO - WEST 69KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	GEN562020 1-G11_021_3 0.6900
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.4	GEN526334 1-JONES_4 116.500
FDNS		01G11_020	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	100.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.2	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.1	GEN560648 1-G07-21 0.5750
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	100.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2 14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		01G11_020	2 14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	116.3	DBL-TGA-MATT

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01NR	2	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.044	113.3	DBL-TGA-MATT
FDNS	1	2	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.8	DBL-TGA-MATT
FDNS	3	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	233.9	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	226.9	DBL-WICH-THI
FDNS	2	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	199.1	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.040	191.5	DBL-WICH-THI
FDNS	01G11_020	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	180.8	DBL-WICH-THI
FDNS	01NR	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	175.4	DBL-WICH-THI
FDNS	1	2	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	170.8	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	118.9	DBL-WICH-THI
FDNS	3	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.038	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	100.9	DBL-WICH-THI
FDNS	01G11_020	2	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	109.5	DBL-TGA-MATT
FDNS	01NR	2	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.051	107.4	DBL-TGA-MATT
FDNS	1	2	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	103.5	DBL-TGA-MATT
FDNS	3	2	14G	G11_020	FROM->TO	SMOKYHLE 230.00 - SUMMIT 230KV CKT 1	330	0.036	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_020	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	108.5	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	104.7	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.034	103.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.090	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.081	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_020	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.089	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	115.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	114.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	111.8	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	111.7	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	111.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	108.3	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	03ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.034	107.4	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.031	106.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.031	104.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	103.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	100.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01NR	3	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	165.5	DBL-WICH-THI
FDNS	00NR	3	14WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	134.2	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.047	126.1	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	111.7	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	105.0	DBL-WICH-THI
FDNS	01NR	3	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.050	101.7	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.129	136.3	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	100.1	DBL-WICH-THI
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.129	209.2	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	143.8	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.132	114.2	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	110.8	DBL-HTCH-BVR
FDNS	01NR	3	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.088	110.7	DBL-BVR-WWRD
FNSL	00NR	3	14WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.129	107.7	DBL-TGA-MATT
FDNS	00NR	3	14SP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.130	104.8	DBL-TGA-MATT
FNSL	00NR	3	19WP	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.130	102.3	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.042	110.4	DBL-TGA-MATT
FDNS	01NR	3	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	176.1	DBL-WICH-THI
FDNS	00NR	3	14WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	144.5	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.047	137.4	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	126.2	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	119.7	DBL-WICH-THI
FDNS	01NR	3	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.050	105.1	DBL-TGA-MATT
FDNS	01ALL	2A	14G	G11_020	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.198	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.045	108.9	DBL-WICH-THI
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.045	101.8	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	201.2	DBL-WICH-THI	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	188.8	DBL-WICH-THI	
FDNS	01NR	2A	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.052	182.6	DBL-WICH-THI	
FDNS	1	2A	14G	G11_020	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	177.3	DBL-WICH-THI	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	106.4	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2A	14G	G11_020	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.039	100.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.066	112.7	DBL-WICH-THI	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.066	104.4	DBL-WICH-THI	
FDNS	01NR	2A	14G	G11_020	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.071	100.8	DBL-WICH-THI	
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	146.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	135.1	DBL-WICH-THI	
FDNS	1	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	122.5	DBL-WICH-THI	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	118.0	DBL-HTCH-BVR	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	117.6	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	116.6	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01NR	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.110	116.5	DBL-WICH-THI	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	116.0	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	115.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	115.5	GEN520997 1-MORLND2	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	114.3	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.5	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.0	BASE CASE	
FDNS	1	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.095	112.7	DBL-WICH-THI	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	112.7	IODINE - MOORELAND 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	111.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	111.7	DBL-BVR-WWRD	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.3	SPP-SWPS-03	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	110.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	110.0	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	110.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	109.5	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	108.9	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	108.6	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.9	SPP-SWPS-04	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.8	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	107.7	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.6	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.5	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.3	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.2	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.2	GEN521120 1-BUFBEAR2	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	SPP-MKEC-08	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	107.1	MINGO - RED WILLOW 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.8	GEN520947 1-HUGO1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.089	106.7	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.111	105.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	105.5	DBL-HTCH-BVR
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	105.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	105.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.085	103.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.079	103.6	DEWEY - TALOGA 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.072	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	102.0	BASE CASE
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.080	101.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.4	SPP-SWPS-03
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.3	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.078	101.2	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	101.1	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	101.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.0	GEN560282 1-G08-19 0.6000
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.7	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.073	100.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	100.3	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_020	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	229.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	194.2	DBL-WICH-THI
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	184.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.110	173.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	166.7	DBL-WICH-THI
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	166.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	159.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	158.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.9	GEN520997 1-MORLND2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.3	BASE CASE
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	154.8	GEN515787 1-OKLA WIND ENERGY CENTER

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.7	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	154.7	DBL-HTCH-BVR	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	154.5	DBL-BVR-WWRD	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	154.3	TATONGA7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	153.5	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	153.5	THISTLE7	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.5	SPP-SWPS-03	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	153.2	GEN520997 1-MORLND2	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.085	153.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	152.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.9	GEN515389 1-TLGAWND1	34.500
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	151.5	DEWEY - TALOGA 138KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	151.4	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	150.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	149.8	SPP-SWPS-02A	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	149.6	BORDER	7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	149.5	BORDER	7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	149.3	GEN514805 1-SOONER UNIT 1	
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	148.2	G11-17T	345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.7	SPP-SWPS-04	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	147.6	THISTLE7	345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.080	147.6	THISTLE7	345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	147.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.4	G11-17T	345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.4	MATHWSN7	345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	147.1	CARTER ICT - WOODWARD 69KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	147.0	SPP-SWPS-03	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.9	MINGO - SETAB 345KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	146.6	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.5	CARTER ICT - MOORELAND 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.5	BENTON - WICHITA 345KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.4	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.3	GEN521120 1-BUFBEAR2	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.3	MATHWSN7	345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.2	MOORELAND - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.2	SPP-MKEC-08	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	CIMARRON - MATHWSN7	345.00 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	146.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	146.1	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.1	BEAVER CO	345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	146.1	BEAVER CO	345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	145.9	RENFROW7	345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.8	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.7	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.7	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	145.7	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.6	FLATRDRG3 - HARPER 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.5	GEN509416 1-TURK GENERATION	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.5	GEN520947 1-HUGO1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	144.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	144.8	IODINE - MOORELAND 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	143.5	SPP-SWPS-02A
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	143.5	DBL-BVR-WWRD
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	142.8	DBL-HTCH-BVR
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	142.6	GEN515389 1-TLGAWND1 34.500
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.8	GEN514805 1-SOONER UNIT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	141.8	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.4	3TERM7
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.3	GEN560121 1-G08-47 0.5750
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	141.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	FREEDOM - WEST 69KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.2	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.1	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	141.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	140.9	RENFLOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN542962 2-IATAN UNIT #2
FNSL	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.7	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.6	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.4	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	140.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	140.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	140.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	140.0	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.9	GEN514806 1-SOONER UNIT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	139.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.7	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	139.2	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	139.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	139.2	MINGO - SETAB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	138.6	SPP-AEPW-32
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.6	SPP-MKEC-08
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	138.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	BASE CASE
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	SPP-SWPS-02
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.4	BENTON - WICHITA 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.4	GEN515226 1-MUSKOGEE 6G
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.4	GEN521120 1-BUFBEAR2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.3	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.2	GEN520947 1-HUGO1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	GEN515223 1-MUSKOGEE 4G
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.1	GEN515225 1-MUSKOGEE 5G
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	138.0	HOLCOMB - SETAB 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.0	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	138.0	GEN560648 1-G07-21 0.5750
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.9	GEN509403 1-PIRKEY GENERATION
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	137.6	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	137.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	137.4	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	135.6	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	135.1	GEN515397 1-OUSPR1 34.500
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	135.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	134.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	134.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	134.1	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	134.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.9	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.9	OKEENE - WATONGA SW 69KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.9	3TERM7
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN515449 1-CRSRDW11 0.6900
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	BUFFALO - WEST 69KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN523462 1-BLACKHAWK GEN #2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN560121 1-G08-47 0.5750
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.8	GEN515450 1-CRSRDW21 0.6900
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	133.8	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN542957 1-IATAN UNIT #1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN527161 1-MUSTANG GEN #1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.7	GEN527162 1-MUSTANG GEN #2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.111	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN525562 1-TOLK GEN #2 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	EASTDC - WELSH 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	ROSE HILL - SOONER 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	GEN526334 1-JONES_4 116.500
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.5	GEN542962 2-IATAN UNIT #2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	133.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN560224 1-G07-62-4 0.6900
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.3	DOVER - DOVER SW 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	133.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	133.0	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	132.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	132.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	132.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	132.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.4	GEN645012 2-NEBRASKA CITY 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	132.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.099	131.8	DBL-BVR-WWRD
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	131.7	GEN560648 1-G07-21 0.5750
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.7	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.081	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.5	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	131.3	SPP-SWPS-03
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.6	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	130.5	GRAPEVINE INTERCHANGE - STATLINE INTERCHANGE 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.091	130.4	SPP-SWPS-05
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	130.2	GEN515365 1-CENT 21 34.500
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	130.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	130.0	SPP-SWPS-04
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.8	GEN560175 1-G07-44 0.5750
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.7	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.6	GEN515393 1-OGEWND2G
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.4	GEN515397 1-OU SPRT 1 34.500
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	129.3	SPP-AEPW-32
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.093	129.1	SPP-SWPS-02
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	129.0	SPP-MKEC-08
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.2	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	128.2	GEN562026 1-G11_019_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	128.1	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	128.0	SPP-SWPS-02A
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	127.6	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	127.2	GEN515389 1-TLGAWND1 34.500
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	126.9	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	126.7	DEWEY - SOUTHARD 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	126.7	GEN514805 1-SOONER UNIT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	126.4	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	126.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.9	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560221 1-G07-62-1 0.6900	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560222 1-G07-62-2 0.6900	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560223 1-G07-62-3 0.6900	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.8	GEN560224 1-G07-62-4 0.6900	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	125.5	GEN515365 1-CENT 21 34.500	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	125.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	125.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	124.7	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.7	GEN515393 1-OGEWND2G	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	124.7	DBL-BVR-WWRD
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	124.6	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.6	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01NR	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.089	124.4	3TERM7	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	124.4	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	124.4	IMO TAP - MEN TAP 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	124.1	SPP-SWPS-05
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.8	SPP-SWPS-04
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	123.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	123.6	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	123.2	CARTER ICT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	123.0	SPP-AEPW-32
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.0	GEN515226 1-MUSKOGEE 6G
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.9	SPP-SWPS-02
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	122.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.6	CARTER ICT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.079	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	122.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	121.3	ELK CITY - RED HILLS WIND 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.6	GEN562023 1-G11_020_3 0.6900
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.6	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	120.4	GEN560429 1-G08-29 0.6400
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	119.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	118.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	3TERM7
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.4	GEN560121 1-G08-47 0.5750
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN542957 1-IATAN UNIT #1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN527162 1-MUSTANG GEN #2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.3	GEN527161 1-MUSTANG GEN #1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN562020 1-G11_021_3 0.6900
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	EASTDC - WELSH 345KV CKT 1
FNSL	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	118.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	GEN526334 1-JONES_4 116.500
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	118.1	GEN542962 2-IATAN UNIT #2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.8	GEN645001 1-FORT CALHOUN 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.8	GEN560429 1-G08-29 0.6400
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	117.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	116.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	116.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	116.4	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	116.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.4	GEN560175 1-G07-44 0.5750
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.3	GEN560282 1-G08-19 0.6000
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	114.1	GEN515397 1-OUSPRT 1 34.500
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.9	CEDARDALE - OKEENE 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	113.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01G11_020	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	113.2	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560221 1-G07-62-1 0.6900
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560222 1-G07-62-2 0.6900
FDNS	1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560223 1-G07-62-3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	112.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	112.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	111.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	111.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	111.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	111.5	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	110.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	109.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.072	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	105.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	104.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	102.8	GEN560429 1-G08-29 0.6400
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	116.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	124	0.033	109.6	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	211.7	DBL-WICH-THI
FDNS	01G11_020		2A	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	199.3	DBL-WICH-THI
FDNS	01NR		2A	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.052	193.2	DBL-WICH-THI
FDNS		1	2A	14G	G11_020	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	187.9	DBL-WICH-THI
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	109.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_020	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.039	103.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		2A	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	110.1	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	TO->FROM	WOODWARD - WOODWARD 69KV CKT 1	110	0.035	103.6	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	118.5	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	116.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	110.3	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01G11_020		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	109.2	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	102.9	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS		1	2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	101.9	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	01ALL		2A	14G	G11_020	FROM->TO	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	134	0.035	100.2	FPL SWITCH - WOODWARD 138KV CKT 1
FDNS	01ALL		0	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.041	106.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		0	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.041	102.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL		0	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.042	100.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL		0	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.044	100.8	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_021	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.045	116.7	DBL-WICH-THI
FDNS	03ALL		0	14G	G11_021	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.040	105.5	DBL-BVR-WWRD
FDNS		3	0	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	122.6	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	115.0	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	112.0	DBL-WICH-THI
FDNS	02G11_021		0	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	105.5	DBL-WICH-THI
FDNS		2	0	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	100.9	DBL-WICH-THI
FDNS		3	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	225.1	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	211.9	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	206.5	DBL-WICH-THI
FDNS	02G11_021		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	195.3	DBL-WICH-THI
FDNS		2	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	187.4	DBL-WICH-THI
FDNS		1	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	181.9	DBL-WICH-THI
FDNS	00NR		0	14WP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	146.9	DBL-WICH-THI
FDNS	04ALL		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	143.3	DBL-WICH-THI
FDNS	00NR		0	19WP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.050	139.3	DBL-WICH-THI
FDNS	06ALL		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	132.8	DBL-WICH-THI
FDNS		6	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	127.1	DBL-WICH-THI
FDNS	00NR		0	14SP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.048	122.8	DBL-WICH-THI
FDNS	09ALL		0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	117.0	DBL-WICH-THI



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00NR	0	19SP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.049	116.7	DBL-WICH-THI
FDNS	9	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	113.8	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	112.6	DBL-WICH-THI
FDNS	13	0	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	112.3	DBL-WICH-THI
FDNS	00G11_021	0	14WP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	107.4	DBL-WICH-THI
FDNS	1	0	14G	G11_021	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.032	100.6	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	112.0	DBL-WICH-THI
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.057	102.0	DBL-WICH-THI
FDNS	1	0	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.058	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	140.2	DBL-WICH-THI
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.094	121.8	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	120.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	118.3	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	116.1	BASE CASE
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	113.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	112.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	111.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	111.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.2	MINGO - RED WILLOW 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.7	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	109.5	DEWEY - IQDINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	106.6	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.5	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	106.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	105.3	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	105.0	GEN560648 1-G07-21 0.5750	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	105.0	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	104.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.1	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.9	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.5	GEN515397 1-OU SPRT 1 34.500	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	2	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.083	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.4	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.4	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.3	GEN560282 1-G08-19 0.6000	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.1	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.7	GEN560224 1-G07-62-4 0.6900	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.7	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.5	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	02G11_021	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	102.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.2	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	102.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	3	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	101.9	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	101.8	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.9	GEN515365 1-CENT 21 34.500	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.7	GEN515393 1-OGEWIND2G	
FDNS	02G11_021	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.067	100.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	0	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	100.0	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	224.4	DBL-WICH-THI	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	215.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	203.2	DBL-WICH-THI	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	203.1	DBL-WICH-THI	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	198.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	198.0	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	196.7	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	189.9	DBL-WICH-THI	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	188.1	BASE CASE
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	182.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	180.3	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	178.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	176.9	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	174.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	174.0	DBL-WICH-THI
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	173.4	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	173.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	172.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	171.9	DBL-HTCH-BVR
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	171.0	BASE CASE
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	169.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	169.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	168.5	BASE CASE
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	168.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	167.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	167.2	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	166.8	RENFROW4 138.00 - SAND RDG 138/138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.3	GEN515042 1-SEMINOLE 3G

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	166.2	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.2	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.0	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	165.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	164.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	164.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	163.2	DBL-IRON-CLR
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	162.6	DBL-THIS-CLR
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.9	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.4	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.2	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN542962 2-IATAN UNIT #2
FNSL	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.1	DOVER - DOVER SW 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	161.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	161.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN515393 1-OGEWND2G
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN515365 1-CENT 21 34.500
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	161.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.2	GEN523122 1-NBLWND-WTG210.6900
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN645012 2-NEBRASKA CITY 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN523121 1-NBLWND-WTG110.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	160.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	160.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.1	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.0	GEN523123 1-NBLWND-WTG310.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	159.9	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.8	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	159.7	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.7	GEN526334 1-JONES_4 116.500
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.6	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN527901 1-HOBBS PLANT #1 (CT)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.5	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.1	GEN560586 1-G06-44-4 4.1600	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.0	BASE CASE	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	158.7	GEN560585 1-G06-44-3 4.1600	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.3	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	157.1	GEN515389 1-TLGAWND1 34.500	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.0	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.7	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	156.3	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.2	GEN520997 1-MORLND2	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.1	BASE CASE	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.7	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.5	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.4	GEN560256 1-G10-14-1 0.6900	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	155.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	155.2	GEN560257 1-G10-14-2 0.6900	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	154.6	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	153.6	GEN562042 1-G11_014_3 0.6900	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.5	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	153.4	GEN514805 1-SOONER UNIT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.3	DEWEY - TALOGA 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	153.0	RENFWOW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.9	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.9	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.6	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.6	MINGO - SETAB 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.6	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.4	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	152.1	MINGO - SETAB 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.0	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.9	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.7	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.6	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	151.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.6	GEN521120 1-BUFBEAR2	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.5	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.4	GEN514806 1-SOONER UNIT 2	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.4	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.4	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.4	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.3	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.0	RENFWOW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	GEN509416 1-TURK GENERATION	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.9	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN520947 1-HUGO1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	150.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN336821 1-GRAND GULF UNIT	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.8	GEN560687 1-G11-007 0.5750	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.7	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.7	GEN509394 1-FLINT CREEK	
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.7	GEN336153 1-WATERFORD UNIT#3	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.5	GEN520922 1-SLEEPING BEAR	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.4	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.4	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	150.2	GEN562017 1-G11_022_3 0.6900	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	150.1	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.8	BENTON - WICHITA 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.7	GEN515042 1-SEMINOLE 3G	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	RENFWOW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.6	GEN515226 1-MUSKOGEE 6G	
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.4	GEN509416 1-TURK GENERATION	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.4	GEN520947 1-HUGO1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.4	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	GEN515225 1-MUSKOGEE 5G
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	GEN515223 1-MUSKOGEE 4G
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	149.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.2	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.1	GEN562020 1-G11_021_3 0.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.1	GEN515041 1-SEMINOLE 2G
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN509403 1-PIRKY GENERATION
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509406 1-WELSH #3
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509405 1-WELSH #2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509404 1-WELSH #1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN509394 1-FLINT CREEK
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.9	GEN501801 1-DOLET HILLS UNIT1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.8	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	148.7	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	148.7	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	GEN335831 1-RIVERBEND UNIT#1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.7	IMO TAP - MEN TAP 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	148.6	SOONER - WOODRING 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.7	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	146.4	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN562020 1-G11_021_3 0.6900



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.0	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	144.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.4	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.4	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.2	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN542957 1-IATAN UNIT #1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.0	GEN515365 1-CENT 21 34.500
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	144.0	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN515393 1-OGEWND2G
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN523122 1-NBLWND-WTG210.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.9	GEN523121 1-NBLWND-WTG110.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN542962 2-IATAN UNIT #2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN560584 1-G06-44-2 4.1600
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN523107 1-NOVUS_WND 14.1600
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN523123 1-NBLWND-WTG310.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN523462 1-BLACKHAWK GEN #2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN562023 1-G11_020_3 0.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.6	GEN562026 1-G11_019_3 0.6900
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.6	BASE CASE
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.5	EASTDC - WELSH 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.3	GEN527162 1-MUSTANG GEN #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.3	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.2	GEN560586 1-G06-44-4 4.1600
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.1	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN514806 1-SOONER UNIT 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.9	GEN526334 1-JONES_4 116.500
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	142.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN560585 1-G06-44-3 4.1600
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.8	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.8	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	CIRCLE - MULLERGRN 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	GEN645012 2-NEBRASKA CITY 2
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	142.5	GEN560648 1-G07-21 0.5750
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.4	GEN514805 1-SOONER UNIT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.2	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.1	GEN560429 1-G08-29 0.6400
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.1	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.8	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.095	141.0	DBL-HTCH-BVR
FDNS	02NR	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	141.0	DBL-THIS-CLR
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN560371 1-G07-46 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.8	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.7	EL RENO - ROMAN NOSE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.7	GEN560256 1-G10-14-1 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.2	GEN515397 1-OUSPRT 1 34.500
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	140.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.1	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	139.9	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.7	GEN520922 1-SLEEPING BEAR
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.6	GEN560175 1-G07-44 0.5750
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.5	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	139.4	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.4	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.3	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	138.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN515042 1-SEMINOLE 3G
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.7	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN509416 1-TURK GENERATION
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.6	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.4	GEN560224 1-G07-62-4 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	GEN509403 1-PIRKEY GENERATION
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	138.1	CARTER ICT - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509406 1-WELSH #3
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509405 1-WELSH #2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN509404 1-WELSH #1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN515041 1-SEMINOLE 2G
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	SMOKYH6 230.00 - SUMMIT 230KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.9	GEN509394 1-FLINT CREEK
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	137.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		02G11_021	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		02G11_021	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	137.5	GEN562042 1-G11_014_3 0.6900
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	137.4	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		02G11_021	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.1	DOVER SW - OKEENE 138KV CKT 1
FDNS		02G11_021	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.8	GEN562017 1-G11_022_3 0.6900
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		02G11_021	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560221 1-G07-62-1 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560222 1-G07-62-2 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560223 1-G07-62-3 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	GEN560224 1-G07-62-4 0.6900
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN531208 1-FLTRDG-WG1 0.6000
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN562017 1-G11_022_3 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN560267 1-G10-15-1 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN542957 1-IATAN UNIT #1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.9	GEN539762 1-SSWIND 1 34.500
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN531459 2-S2 GENERATOR
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN560268 1-G10-15-2 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN539785 1-ENSGW 1 0.5750
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.8	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN560121 1-G08-47 0.5750
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.8	GEN523461 1-BLACKHAWK GEN #1
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN562020 1-G11_021_3 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN659111 2-LELAND OLDS UNIT2
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN539767 1-GRAY COUNTY WIND FARM
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	GEN515365 1-CENT 21 34.500
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN542962 2-IATAN UNIT #2
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN560696 1-G11-008-4 0.6900
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN527162 1-MUSTANG GEN #2
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.5	GEN527161 1-MUSTANG GEN #1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	EASTDC - WELSH 345KV CKT 1
FDNS		03ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	GEN515393 1-OGEWND2G
FDNS		01ALL	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.4	GEN515365 1-CENT 21 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.4	GEN645001 1-FORT CALHOUN 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.3	FT SUPPLY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.2	GEN526334 1-JONES_4 116.500
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	135.1	DBL-HTCH-BVR
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	135.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.1	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	135.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN542902 1-GPW_G1 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.8	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	134.7	GEN515393 1-OGEWND2G
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.7	GEN560514 1-G04_014 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.6	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.5	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.3	GEN560238 1-G10-09 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	DBL-THIS-CLR
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	133.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN560659 1-G07-38 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.7	GEN560432 1-G08-124 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.6	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560549 1-G06-06 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560329 1-G10-45 0.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN531503 1-CIMRRN 1 34.500
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.5	GEN560693 1-G11-008-1 0.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN560121 1-G08-47 0.5750
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN542957 1-IATAN UNIT #1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN560584 1-G06-44-2 4.1600
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN523107 1-NOVUS_WND 14.1600

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN526332 1-JONES GEN #2 21 KV
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	GEN515365 1-CENT 21 34.500
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523123 1-NBLWND-WTG310.6900
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523461 1-BLACKHAWK GEN #1
FNSL		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.2	GEN523462 1-BLACKHAWK GEN #2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	133.0	GEN562026 1-G11_019_3 0.6900
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.0	GEN515393 1-OGEWND2G
FDNS	04ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	133.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	BASE CASE
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN562026 1-G11_019_3 0.6900
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.9	GEN645001 1-FORT CALHOUN 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.8	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.8	GEN527161 1-MUSTANG GEN #1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.8	GEN527162 1-MUSTANG GEN #2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.7	GEN560586 1-G06-44-4 4.1600
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.4	GEN526334 1-JONES_4 116.500
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	132.1	GEN523117 1-BUFF_DUNES210.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN645012 2-NEBRASKA CITY 2
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.9	GEN562032 1-G11_017_3 0.6900
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.7	MOORELAND - NINE MILE 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.4	GEN514805 1-SOONER UNIT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.2	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN560286 1-G10-01-1WGT 0.6900
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.8	GEN560287 1-G10-01-2WGT 0.6900
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.7	GEN560371 1-G07-46 0.6900
FDNS	02G11_021		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	130.7	DBL-HTCH-BVR
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.3	GEN560257 1-G10-14-2 0.6900
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_021		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.4	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	129.4	GEN514806 1-SOONER UNIT 2
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.2	GEN562042 1-G11_014_3 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.9	IMO TAP - MEN TAP 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	128.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	128.2	MINGO - SETAB 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02G11_021		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.5	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	127.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.4	GEN509416 1-TURK GENERATION
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	127.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN520947 1-HUGO1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_021		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_021		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.3	GEN521120 1-BUFBEAR2
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.2	GEN515223 1-MUSKOGEE 4G
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.1	GEN515225 1-MUSKOGEE 5G
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.1	CARTER JCT - MOORELAND 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.1	GEN509403 1-PIRKEY GENERATION
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	127.0	GEN562017 1-G11_022_3 0.6900
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509406 1-WELSH #3
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509405 1-WELSH #2
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN509404 1-WELSH #1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	126.7	DOVER SW - OKEENE 138KV CKT 1
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.6	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.2	GEN562020 1-G11_021_3 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	126.2	GEN560121 1-G08-47 0.5750
FDNS	02G11_021	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	125.7	GEN560429 1-G08-29 0.6400
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	125.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.5	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	4	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	GEN542957 1-IATAN UNIT #1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.7	DOVER - DOVER SW 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	GEN560121 1-G08-47 0.5750
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN542962 2-IATAN UNIT #2
FNSL	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN527162 1-MUSTANG GEN #2
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN527161 1-MUSTANG GEN #1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS	2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	GEN539670 4-JUDSON LARGE GENERATOR



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.4	GEN514805 1-SOONER UNIT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.3	GEN526334 1-JONES_4 116.500
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	122.0	DBL-HTCH-BVR
FDNS	01ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02NR		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.101	121.8	DBL-HTCH-BVR
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	121.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	121.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.1	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	120.3	MINGO - SETAB 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	120.2	GEN514806 1-SOONER UNIT 2
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.2	GEN560648 1-G07-21 0.5750
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.6	GEN520922 1-SLEEPING BEAR
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	119.0	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	GEN515226 1-MUSKOGEE 6G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	GEN509416 1-TURK GENERATION
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.3	GEN515397 1-OUSPRT 1 34.500
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	GEN336821 1-GRAND GULF UNIT
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.3	GEN520947 1-HUGO1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.2	GEN336153 1-WATERFORD UNIT#3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	GEN515225 1-MUSKOGEE 5G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	GEN515223 1-MUSKOGEE 4G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	118.0	GEN560175 1-G07-44 0.5750
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.0	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.9	GEN560282 1-G08-19 0.6000
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509406 1-WELSH #3
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509405 1-WELSH #2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN509404 1-WELSH #1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN501801 1-DOLET HILLS UNIT1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GEN515042 1-SEMINOLE 3G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.9	GEN560224 1-G07-62-4 0.6900
FDNS		03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	115.9	DBL-HTCH-BVR
FDNS		2	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	115.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		04ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		6	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		04ALL	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.3	GEN515365 1-CENT 21 34.500
FDNS		4	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	114.2	DBL-WICH-THI
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.8	GEN515393 1-OGEWIND2G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560221 1-G07-62-1 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560222 1-G07-62-2 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560223 1-G07-62-3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN562017 1-G11_022_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN542957 1-IATAN UNIT #1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.5	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.4	GEN531459 2-S2 GENERATOR
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	113.4	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.4	GEN523461 1-BLACKHAWK GEN #1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN560121 1-G08-47 0.5750
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN562020 1-G11_021_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN542962 2-IATAN UNIT #2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.2	GEN542902 1-GPW_G1 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN560695 1-G11-008-3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN560514 1-G04_014 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	113.1	DBL-WICH-THI
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN645001 1-FORT CALHOUN 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN515365 1-CENT 21 34.500
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	113.0	GEN560694 1-G11-008-2 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	113.0	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.8	GEN539807 1-G05-12 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.8	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	00NR		0	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	112.6	DBL-WICH-THI
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL		0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	112.0	GEN520997 1-MORLND2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.4	DBL-SPRVL-CL
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	111.0	GEN562032 1-G11_017_3 0.6900
FDNS		1	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	110.2	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	110.1	MOORELAND - TALOGA 138KV CKT 1
FNSL		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		9	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	108.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	108.8	DBL-IRON-CLR
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	108.2	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	108.2	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	107.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	107.3	DEWEY - IODINE 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	107.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.9	GEN560429 1-G08-29 6.4000
FDNS	06ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.7	GEN520997 1-MORLND2
FDNS		4	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.6	GEN520997 1-MORLND2
FDNS		4	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	106.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	105.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.1	DBL-WICH-THI
FDNS		4	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	103.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	103.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.094	103.0	DBL-HTCH-BVR
FDNS	00NR		0 14SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.090	102.8	DBL-WICH-THI
FDNS		6	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	102.4	GEN520997 1-MORLND2
FDNS	00NR		0 14WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.090	102.4	DBL-WICH-THI
FDNS	09ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	102.2	DBL-WICH-THI
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	102.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	101.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	101.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	101.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	06ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		4	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	100.4	BASE CASE
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	04ALL		0 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	100.2	RENFROW4 138.00 - SAND RDG. 138138.00 138KV CKT 1
FDNS		3	0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	235.7	DBL-WICH-THI
FDNS	02ALL		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	224.6	DBL-WICH-THI
FDNS	01ALL		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	217.1	DBL-WICH-THI
FDNS	02G11_021		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	205.8	DBL-WICH-THI
FDNS		2	0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	197.9	DBL-WICH-THI
FDNS		1	0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	192.5	DBL-WICH-THI
FDNS	00NR		0 14WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	157.2	DBL-WICH-THI
FDNS	04ALL		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	153.8	DBL-WICH-THI
FDNS	00NR		0 19WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.050	150.6	DBL-WICH-THI
FDNS	06ALL		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	143.4	DBL-WICH-THI
FDNS		6	0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	137.7	DBL-WICH-THI
FDNS	00NR		0 14SP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.048	137.2	DBL-WICH-THI
FDNS	00NR		0 19SP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.049	131.4	DBL-WICH-THI
FDNS	09ALL		0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	127.6	DBL-WICH-THI
FDNS		9	0 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	124.4	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	13ALL	0	14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	122.9	DBL-WICH-THI
FDNS	00G11_021	0	14WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	117.7	DBL-WICH-THI
FDNS	00G11_021	0	19WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	109.4	DBL-WICH-THI
FDNS	00G11_021	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	107.7	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_021	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	107.5	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00G11_021	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	105.3	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_021	0	24SP	G11_021	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.040	105.2	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_021	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.045	124.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_021	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.030	124.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.036	120.7	DBL-BVR-WWRD
FDNS	3	0	14G	G11_021	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.041	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.249	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.216	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.216	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.284	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.202	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.202	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.211	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.207	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.207	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_021	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.204	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_021	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.032	104.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.039	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.039	108.0	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_021	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_021	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.068	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.064	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.070	104.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_021	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.068	101.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.062	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.447	200.0	DBL-BVR-WWRD
FDNS	02NR	2	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.501	195.0	DBL-BVR-WWRD
FDNS	2	2	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.448	182.3	DBL-BVR-WWRD
FDNS	02ALL	2	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.185	116.4	DBL-HTCH-BVR
FDNS	02G11_021	2	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.185	101.4	DBL-HTCH-BVR
FDNS	01ALL	2	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	105.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.039	103.4	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	101.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	3	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.039	119.2	DBL-THIS-CLR
FDNS	3	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.054	111.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.038	105.7	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.031	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.031	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.034	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.049	102.2	DBL-BVR-WWRD
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	2	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	116.3	DBL-WICH-THI
FDNS	02G11_021	2	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	106.6	DBL-WICH-THI
FDNS	02NR	2	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.051	105.3	DBL-WICH-THI
FDNS	2	2	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.044	101.7	DBL-WICH-THI
FDNS	3	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	214.2	DBL-WICH-THI
FDNS	02G11_021	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	197.3	DBL-WICH-THI
FDNS	02NR	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.051	195.0	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		2	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	188.6	DBL-WICH-THI
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.038	180.9	DBL-WICH-THI
FDNS	1	2	2	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.038	160.2	DBL-WICH-THI
FDNS	1	2	2	14G	G11_021	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.031	100.1	DBL-TGA-MATT
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.055	109.7	DBL-WICH-THI
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.051	101.6	DBL-WICH-THI
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.055	100.5	DBL-WICH-THI
FDNS	1	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.1	DBL-TGA-MATT
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	119.9	DBL-WICH-THI
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.065	116.8	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	114.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	110.5	DBL-WICH-THI
FDNS	03ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.086	107.5	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	105.0	DBL-WICH-THI
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02G11_021	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	104.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.4	GEN520997 1-MORLND2
FDNS	2	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.071	103.4	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.082	102.9	DBL-HTCH-BVR
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.1	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	217.7	DBL-WICH-THI
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	207.0	DBL-TGA-MATT
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	204.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	197.2	DBL-WICH-THI
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02NR	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.086	191.6	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	186.8	DBL-WICH-THI
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	186.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	183.7	DBL-WICH-THI
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	177.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	176.2	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	175.5	BASE CASE	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	174.6	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	172.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	171.4	GEN520997 1-MORLND2	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	169.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.9	BASE CASE	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	167.5	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.0	GEN520997 1-MORLND2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	163.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	162.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	162.3	DBL-WICH-THI	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	161.4	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	159.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.7	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	159.6	GEN514805 1-SOONER UNIT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	159.4	BASE CASE	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	158.9	GEN520997 1-MORLND2	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	158.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	158.5	RENFROWA 138.00 - SAND RDG 138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	158.3	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	158.3	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.6	GEN514806 1-SOONER UNIT 2	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	157.2	DEWEY - IODINE 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.9	CIMARRON - NORTHWEST 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.8	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	156.5	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.4	RENFLOW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	156.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.8	GEN515042 1-SEMINOLE 3G
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	155.8	STATLINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.8	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.7	GEN520947 1-HUGO1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	CIRCLE - MULLERGREIN 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.3	MULLERGREIN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	155.3	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509406 1-WELSH #3
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509405 1-WELSH #2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN509404 1-WELSH #1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	155.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	154.7	STATLINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	154.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	154.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.1	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.9	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.8	DEWEY - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.8	GRAPEVINE INTERCHANGE - STATLINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	152.2	AXTELL - POST ROCK 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	152.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.8	GEN520997 1-MORLND2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN514806 1-SOONER UNIT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.7	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.4	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.2	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN515365 1-CENT 21 34.500
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.1	GEN523201 1-EXCELN4-WTG10.6000
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.0	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.0	GEN523461 1-BLACKHAWK GEN #1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.9	GEN523462 1-BLACKHAWK GEN #2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.8	GEN542962 2-IATAN UNIT #2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.8	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN562023 1-G11_020_3 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.7	GEN562026 1-G11_019_3 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN523122 1-NBLWND-WTG10.6900
FNSL	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN527161 1-MUSTANG GEN #1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN527162 1-MUSTANG GEN #2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.6	GEN523121 1-NBLWND-WTG110.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.5	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.5	GEN560584 1-G06-44-2 4.1600
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.5	GEN523107 1-NOVUS_WND 14.1600
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	149.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.4	GEN645001 1-FORT CALHOUN 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.3	BASE CASE
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.2	GEN526334 1-JONES_4 116.500
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN526332 1-JONES GEN #2 21 KV
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	149.1	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.7	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.3	GEN645012 2-NEBRASKA CITY 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.3	GEN509404 1-WELSH #1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN336821 1-GRAND GULF UNIT
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	146.2	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	145.9	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	GEN560371 1-G07-46 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	145.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.5	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.9	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.9	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.6	STATLINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.6	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.5	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	144.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	144.0	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN560121 1-G08-47 0.5750
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.6	DOVER - TWIN LAKES 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.5	GEN514806 1-SOONER UNIT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.5	DOVER - DOVER SW 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN527161 1-MUSTANG GEN #1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN539762 1-SSWIND 1 34.500	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN539785 1-ENSNW 1 0.5750	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN560267 1-G10-15-1 0.6900	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN560268 1-G10-15-2 0.6900	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	143.3	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.3	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN526334 1-JONES_4 116.500	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.2	GEN515393 1-OGEWIND2G	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	142.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN562026 1-G11_019_3 0.6900	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.8	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.7	DOVER SW - OKEENE 138KV CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.6	HOLCOMB - SETAB 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN520922 1-SLEEPING BEAR	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.3	GEN542902 1-GPW_G1 0.6900	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.2	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN560514 1-G04_014 0.6900	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	142.0	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.9	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.7	GEN515042 1-SEMINOLE 3G	
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.7	BENTON - WICHITA 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.7	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.6	GEN539807 1-G05-12 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.6	GEN520947 1-HUGO1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.6	GEN515226 1-MUSKOGEE 6G
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	GEN560429 1-G08-29 0.6400
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN515225 1-MUSKOGEE 5G
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.3	GEN515223 1-MUSKOGEE 4G
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN562017 1-G11_022_3 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.2	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509406 1-WELSH #3
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509405 1-WELSH #2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN509404 1-WELSH #1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.1	GEN515041 1-SEMINOLE 2G
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	141.0	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN560659 1-G07-38 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN560432 1-G08-124 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.8	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN560549 1-G06-06 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.6	HARPER - MILAN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.5	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.5	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN560329 1-G10-45 0.6900
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.4	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN531503 1-CIMRRN 1 34.500
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	139.8	BASE CASE
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	139.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	BASE CASE
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	139.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.082	139.0	DBL-HTCH-BVR
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	138.7	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	138.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN560584 1-G06-44-2 4.1600
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN523107 1-NOVUS_WND 14.1600
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.4	DOVER - DOVER SW 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.4	GEN523123 1-NBLWND-WTG310.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.2	EASTDC - WELSH 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.2	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN515365 1-CENT 21 34.500
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.1	GEN542957 1-IATAN UNIT #1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN527161 1-MUSTANG GEN #1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.0	GEN527162 1-MUSTANG GEN #2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.9	GEN560586 1-G06-44-4 4.1600
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.9	GEN515393 1-OGEWND2G
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.8	GEN542962 2-IATAN UNIT #2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.7	GEN562023 1-G11_020_3 0.6900
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.7	GEN562026 1-G11_019_3 0.6900
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.6	GEN520997 1-MORLND2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN526334 1-JONES_4 116.500
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN560585 1-G06-44-3 4.1600
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.6	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.6	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.5	GEN645001 1-FORT CALHOUN 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.4	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.0	FT SUPPLY - IODINE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.8	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.7	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	134.6	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.5	GEN514806 1-SOONER UNIT 2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.4	GEN645012 2-NEBRASKA CITY 2
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	134.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.1	GEN560429 1-G08-29 0.6400
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.0	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.0	GEN560371 1-G07-46 0.6900
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.8	GEN560256 1-G10-14-1 0.6900
FDNS		1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.7	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.6	SAND RDG 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	IODINE - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.1	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.1	GEN560287 1-G10-01-2WTG 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.8	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	132.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN509416 1-TURK GENERATION
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN520947 1-HUGO1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.7	GEN515226 1-MUSKOGEE 6G
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	132.6	BYRON 138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.5	BENTON - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN336821 1-GRAND GULF UNIT
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN515225 1-MUSKOGEE 5G
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.4	GEN515223 1-MUSKOGEE 4G
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.3	GEN509403 1-PIRKEY GENERATION
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.3	ROMAN NOSE - SOUTHARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509406 1-WELSH #3
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509405 1-WELSH #2
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN509404 1-WELSH #1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.1	GEN515041 1-SEMINOLE 2G
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.8	SOONER - WOODRING 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	131.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.3	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	130.8	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.7	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	129.9	GEN515389 1-TLGAWND1 34.500
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	129.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	129.2	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	129.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	128.7	DBL-HTCH-BVR
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.3	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.2	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.1	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	128.0	GEN560121 1-G08-47 0.5750
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.7	EASTDC - WELSH 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.7	DOVER - DOVER SW 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.4	GEN542957 1-IATAN UNIT #1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN527161 1-MUSTANG GEN #1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN527162 1-MUSTANG GEN #2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN515365 1-CENT 21 34.500
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN560586 1-G06-44-3 4.1600
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN542962 2-IATAN UNIT #2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN515393 1-OGEWND2G
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN560585 1-G06-44-3 4.1600
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN526334 1-JONES_4 116.500
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN562023 1-G11_020_3 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN562026 1-G11_019_3 0.6900
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.9	GEN514805 1-SOONER UNIT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.8	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.8	GEN645001 1-FORT CALHOUN 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.7	DEWEY - TALOGA 138KV CKT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	126.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.1	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.1	MINGO - SETAB 345KV CKT 1
FDNS		02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	126.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.0	GEN514806 1-SOONER UNIT 2
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	GEN560429 1-G08-29 0.6400
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.4	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.3	GEN520922 1-SLEEPING BEAR
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	125.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	125.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.1	BENTON - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.0	GEN514806 1-SOONER UNIT 2
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	124.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	124.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.5	GEN521120 1-BUFBEAR2
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.4	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.3	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	124.3	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN509416 1-TURK GENERATION
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN562042 1-G11_014_3 0.6900
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN515226 1-MUSKOGEE 6G
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.1	GEN520947 1-HUGO1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	GEN515225 1-MUSKOGEE 5G
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.9	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	GEN336821 1-GRAND GULF UNIT
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.8	GEN509403 1-PIRKEY GENERATION
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509406 1-WELSH #3
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509405 1-WELSH #2
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN509404 1-WELSH #1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.7	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	GEN515223 1-MUSKOGEE 4G
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS	01ALL	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	GRACEMONT - MINCO 345KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	GEN515042 1-SEMINOLE 3G
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.5	SOONER - WOODRING 345KV CKT 1
FDNS	1	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.5	GEN520997 1-MORLND2
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.4	GEN509394 1-FLINT CREEK
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS	3	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.3	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	123.1	DBL-HTCH-BVR
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_021	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	122.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.2	GEN562017 1-G11_022_3 0.6900
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.6	GEN560121 1-G08-47 0.5750
FDNS	2	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.3	GEN562020 1-G11_021_3 0.6900
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.9	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_021		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	120.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02G11_021		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	120.2	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	02G11_021		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	119.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS		01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	GEN542962 2-IATAN UNIT #2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	FREEDOM - WEST 69KV CKT 1
FNSL	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.4	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.4	GEN527162 1-MUSTANG GEN #2
FDNS	02G11_021		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.4	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN645001 1-FORT CALHOUN 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN560121 1-G08-47 0.5750
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN526334 1-JONES_4 116.500
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	EASTDC - WELSH 345KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN562020 1-G11_021_3 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.1	BUFFALO - WEST 69KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	119.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN531459 2-S2 GENERATOR
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	119.0	DOVER - DOVER SW 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.9	GEN542957 1-IATAN UNIT #1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN526334 1-JONES_4 116.500
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN515365 1-CENT 21 34.500
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN542902 1-GPW_G1 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.8	GEN560695 1-G11-008-3 0.6900
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	BUFFEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL		2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN542962 2-IATAN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_021	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN560514 1-G04_014 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN560694 1-G11-008-2 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.6	GEN515393 1-OGEWIND2G
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN562023 1-G11_020_3 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN562026 1-G11_019_3 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN539807 1-G05-12 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.2	GEN560648 1-G07-21 0.5750
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	118.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	GEN560238 1-G10-09 0.6900
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	BASE CASE
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.8	GEN560659 1-G07-38 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN562035 1-G11_016_3 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN560432 1-G08-124 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN560693 1-G11-008-1 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN520922 1-SLEEPING BEAR
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.6	GEN560549 1-G06-06 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN560329 1-G10-45 0.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	2	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02NR	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.078	116.9	DBL-HTCH-BVR
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560429 1-G08-29 0.6400
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.7	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.4	DEWEY - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.3	GEN562032 1-G11_017_3 0.6900
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.2	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	1	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.7	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	114.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	113.7	GEN515397 1-OU SPRT 1 34.500
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.083	113.7	DBL-HTCH-BVR
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	113.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	112.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.4	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	112.2	DBL-HTCH-BVR
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	112.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	111.5	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.6	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	110.0	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.5	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.4	GEN515389 1-TLGAWND1 34.500
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	109.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.7	GEN515365 1-CENT 21 34.500
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	108.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.3	GEN515393 1-OGEWND2G
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.1	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	108.0	GEN562026 1-G11_019_3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	107.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	106.1	GEN514806 1-SOONER UNIT 2
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	105.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.9	GEN521120 1-BUFBEAR2
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.9	MINGO - SETAB 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.7	GEN515226 1-MUSKOGEE 6G
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.5	GEN520947 1-HUGO1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.5	GEN509416 1-TURK GENERATION
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	104.5	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	104.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	2	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	103.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	GEN542962 2-IATAN UNIT #2
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.5	BUFFALO - WEST 69KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	GEN562020 1-G11_021_3 0.6900
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.4	GEN526334 1-JONES_4 116.500
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.2	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.1	GEN560648 1-G07-21 0.5750
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	100.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02G11_021	2	2 14G	G11_021	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.057	101.3	DBL-BVR-WWRD
FDNS		3	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	233.9	DBL-WICH-THI
FDNS	02ALL	2	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	226.9	DBL-WICH-THI
FDNS	02G11_021	2	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	207.8	DBL-WICH-THI
FDNS	02NR	2	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.051	205.5	DBL-WICH-THI
FDNS		2	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	199.1	DBL-WICH-THI
FDNS	01ALL	2	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.038	191.5	DBL-WICH-THI
FDNS		1	2 14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.038	170.8	DBL-WICH-THI
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	141.6	DBL-THIS-CLR
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	125.7	DBL-SPRVL-CL
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS		3	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	118.9	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		3	2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	118.3	DBL-IRON-CLR
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.049	116.7	DBL-BVR-WWRD
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	116.0	MINGO - SETAB 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.5	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS	3		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	108.8	BEELER - NESS CITY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.6	GEN542962 2-IATAN UNIT #2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN542957 1-IATAN UNIT #1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.0	CRKCK 3 115.00 - CUDAHY 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.7	GEN542951 5-HAWTHORN UNIT #5
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	HARPER - MILAN TAP 138KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	COLBY - MINGO 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN560140 1-G09-08 0.7000
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL		2 14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN645001 1-FORT CALHOUN 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.3	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	BASE CASE
FDNS	3	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	MEDICINE LODGE (BARBER 4) 138/115/7.27KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN599891 1-OKLAUN
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MULLERGREN (MULGREN6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.0	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	HUNTSVILLE - ST_JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.7	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.1	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.9	ST JOHN - ST_JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.9	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.7	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	103.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.6	GEN539785 1-ENSNGW 1 0.5750
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	GEN560695 1-G11-008-3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	3	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	102.2	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.9	SEWARD - ST JOHN 115KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.054	100.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_021	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.3	GEN560549 1-G06-06 0.6900
FDNS	1	2	14G	G11_021	TO->FROM	ROMAN NOSE - SOUTHWARD 138KV CKT 1	153	0.031	103.5	DBL-TGA-MATT
FDNS	3	2	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.035	112.2	DBL-THIS-CLR
FDNS	03ALL	2	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.035	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.032	104.8	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.046	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_021	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.034	101.3	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_021	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.035	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.063	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.060	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.063	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_021	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	3	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.502	195.9	DBL-BVR-WWRD
FDNS	02NR	3	14G	G11_021	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.248	105.3	DBL-TGA-MATT
FDNS	02NR	3	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	175.6	DBL-WICH-THI
FDNS	00NR	3	14WP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	134.2	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.046	126.1	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	111.7	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.044	105.0	DBL-WICH-THI
FDNS	02NR	3	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.097	111.6	DBL-TGA-MATT
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.097	199.0	DBL-TGA-MATT
FDNS	02NR	3	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.073	160.7	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.100	114.2	DBL-TGA-MATT
FNSL	00NR	3	14WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.097	107.7	DBL-TGA-MATT
FDNS	00NR	3	14SP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.098	104.8	DBL-TGA-MATT
FNSL	00NR	3	19WP	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	185	0.099	102.3	DBL-TGA-MATT
FDNS	02NR	3	14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	186.1	DBL-WICH-THI
FDNS	00NR	3	14WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	144.5	DBL-WICH-THI
FNSL	00NR	3	19WP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.046	137.4	DBL-WICH-THI
FDNS	00NR	3	14SP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	126.2	DBL-WICH-THI
FDNS	00NR	3	19SP	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.044	119.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	106.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.040	102.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.157	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G11_021	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	177.3	DBL-WICH-THI
FDNS	1	2A	14G	G11_021	TO->FROM	EL RENO - ROMAN NOSE 138KV CKT 1	153	0.031	100.3	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.056	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.092	118.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	115.5	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	113.0	BASE CASE
FDNS	1	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.074	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.084	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.3	SPP-SWPS-03



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	110.0	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.064	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	106.8	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNLS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN659111 2-LELAND OLDS UNIT2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.063	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	101.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	101.0	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.7	GEN515397 1-OUSPRT 1 34.500
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	100.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	100.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_021	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.074	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	165.0	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	156.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	151.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	149.8	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	149.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.3	GEN514805 1-SOONER UNIT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	149.0	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.064	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.7	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.4	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	147.1	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.9	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.5	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.3	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	146.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.2	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.8	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.8	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.7	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.7	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.7	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	145.6	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.5	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.5	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	141.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.4	3TERM7
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	FREEDOM - WEST 69KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	EASTDC - WELSH 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FNSL	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	141.0	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN542962 2-IATAN UNIT #2
FNSL	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	140.8	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.7	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.6	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.4	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.067	140.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	140.0	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	139.2	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.5	BASE CASE
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	138.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	137.4	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.063	136.0	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.7	GEN531447 1-HOLCOMB GENERATOR
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.092	135.6	DBL-HTCH-BVR
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	135.1	GEN515397 1-OUSPRT 1 34.5000
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	135.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	134.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	134.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.084	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.4	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	132.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	132.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	131.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	131.3	SPP-SWPS-03
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	130.6	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	130.2	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	130.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.6	GEN515393 1-OGEWND2G	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	129.1	IODINE - MOORELAND 138KV CKT 1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.2	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	128.2	GEN562026 1-G11_019_3 0.6900	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	128.0	SPP-SWPS-02A	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	127.2	GEN515389 1-TLGAWND1 34.500	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	126.7	GEN514805 1-SOONER UNIT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	124.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	124.4	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	124.1	SPP-SWPS-05	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.065	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.8	SPP-SWPS-04	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	123.6	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.4	MINGO - SETAB 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.2	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	123.0	SPP-AEPW-32	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	123.0	GEN515226 1-MUSKOGEE 6G	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	123.0	SPP-MKEC-08	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.9	SPP-SWPS-02	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.9	GEN521120 1-BUFBEAR2	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.9	GEN509416 1-TURK GENERATION	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.8	GEN520947 1-HUGO1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	BENTON - WICHITA 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.7	GEN515223 1-MUSKOGEE 4G	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	GEN515225 1-MUSKOGEE 5G	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.6	GEN336821 1-GRAND GULF UNIT	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.6	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	CARTER JCT - MOORELAND 69KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.5	MINGO - RED WILLOW 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509403 1-PIRKEY GENERATION	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	122.5	AXTELL - POST ROCK 345KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN336153 1-WATERFORD UNIT#3	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509406 1-WELSH #3	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509405 1-WELSH #2	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.5	GEN509404 1-WELSH #1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	122.4	GEN501801 1-DOLET HILLS UNIT1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	120.4	GEN560429 1-G08-29 0.6400	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	119.5	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	01ALL	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.8	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.5	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	3TERM7	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	BRANTLEY - MORWOOD 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	1	1	2A 14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN515449 1-CRSRDW11 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.4	GEN560121 1-G08-47 0.5750
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN542957 1-IATAN UNIT #1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN527162 1-MUSTANG GEN #2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.3	GEN527161 1-MUSTANG GEN #1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN562020 1-G11_021_3 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	EASTDC - WELSH 345KV CKT 1
FNSL		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	GEN526334 1-JONES_4 116.500
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.1	GEN542962 2-IATAN UNIT #2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.8	GEN645001 1-FORT CALHOUN 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	117.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	116.8	SANDY_CN 138138.00 - WAKITA 138 138.00 138KV CKT 1
FDNS	01ALL	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	116.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	116.4	GEN560648 1-G07-21 0.5750
FDNS	01ALL	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	116.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	114.1	GEN515397 1-OUSPRT 1 34.500
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	113.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	112.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	111.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	111.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	110.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	109.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	104.8	IMO TAP - MEN TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	104.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_021	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	102.8	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	211.7	DBL-WICH-THI
FDNS		1	2A	14G	G11_021	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	187.9	DBL-WICH-THI
FDNS		1	2A	14G	G11_021	TO->FROM	ROMAN NOSE - SOUTHARD 138KV CKT 1	153	0.031	103.8	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.320	103.2	DBL-HTCH-BVR
FDNS	02G11_022		0	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.321	101.5	DBL-HTCH-BVR
FNSL	00G11_022		0	14WP	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.334	100.2	DBL-BVR-WWRD
FDNS	01ALL		0	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	106.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL		0	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	102.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL		0	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.047	100.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL		0	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.049	100.8	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.047	116.7	DBL-WICH-THI
FDNS	03ALL		0	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.040	105.5	DBL-BVR-WWRD
FDNS	03ALL		0	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.040	101.3	DBL-HTCH-BVR
FDNS		3	0	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	122.6	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.041	115.0	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	112.0	DBL-WICH-THI
FDNS	02G11_022		0	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	106.9	DBL-WICH-THI
FDNS		2	0	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	100.9	DBL-WICH-THI
FDNS		3	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	225.1	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	211.9	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	206.5	DBL-WICH-THI
FDNS	02G11_022		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	197.8	DBL-WICH-THI
FDNS		2	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	187.4	DBL-WICH-THI
FDNS		1	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	181.9	DBL-WICH-THI
FDNS	04ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	143.3	DBL-WICH-THI
FDNS	06ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	132.8	DBL-WICH-THI
FDNS		6	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	127.1	DBL-WICH-THI
FDNS	09ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	117.0	DBL-WICH-THI
FDNS	00G11_022		0	14WP	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	116.2	DBL-WICH-THI
FDNS		9	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	113.8	DBL-WICH-THI
FDNS	13ALL		0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	112.6	DBL-WICH-THI
FDNS		13	0	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	112.3	DBL-WICH-THI
FDNS	00G11_022		0	19WP	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.045	108.2	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.054	116.3	DBL-WICH-THI
FDNS	02ALL		0	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.054	112.0	DBL-WICH-THI
FDNS	02G11_022		0	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.054	104.3	DBL-WICH-THI
FDNS		1	0	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.055	100.3	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	140.2	DBL-WICH-THI
FDNS		1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	123.5	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	118.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	118.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	118.3	GEN520997 1-MORLND2
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	117.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	117.0	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	116.8	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	116.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	116.1	BASE CASE
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	115.5	IODINE - MOORELAND 138KV CKT 1
FDNS	03ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_022		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	114.6	DBL-WICH-THI
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL		0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	113.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	112.9	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	112.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02G11_022		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	111.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	111.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	111.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	111.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	110.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	110.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	110.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.6	MINGO - SETAB 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.6	CARTER ICT - WOODWARD 69KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	110.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.2	CARTER ICT - MOORELAND 69KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.2	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	110.2	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	110.0	GEN521120 1-BUFBEAR2
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	110.0	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	110.0	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	109.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	109.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.9	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.7	GEN509416 1-TURK GENERATION
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.7	GEN520947 1-HUGO1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.6	GEN560687 1-G11-007 0.5750
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.6	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.6	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	109.5	GEN509394 1-FLINT CREEK
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.4	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	GEN542957 1-IATAN UNIT #1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL		0 14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	GEN560121 1-G08-47 0.5750



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN527162 1-MUSTANG GEN #2
FNSL	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.1	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.0	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.0	GEN526334 1-JONES_4 116.500
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	106.9	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.9	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.7	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	106.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.7	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	2	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	106.6	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	106.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	106.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.5	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	106.4	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	105.7	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	105.3	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.059	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.075	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	105.0	GEN560648 1-G07-21 0.5750
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	105.0	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	104.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	104.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	104.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.9	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.9	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.5	GEN515397 1-OUSPRT 1 34.500
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.076	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.4	GEN560175 1-G07-44 0.5750
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.3	GEN560282 1-G08-19 0.6000
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	103.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_022	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	103.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.7	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.7	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.7	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.7	GEN560224 1-G07-62-4 0.6900
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	102.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.2	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	102.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	3	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.070	101.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.8	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	101.4	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	101.2	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	101.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.9	GEN515365 1-CENT 21 34.500
FDNS	02G11_022	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	100.7	GEN515393 1-OGEWND2G
FDNS	1	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.062	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.061	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	204.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	203.2	DBL-WICH-THI
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	200.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	198.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	189.9	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	188.1	BASE CASE
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.075	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	183.8	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	180.3	GEN520997 1-MORLND2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	180.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	178.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	176.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	175.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	175.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	174.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	171.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	171.3	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	171.0	BASE CASE
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	170.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	170.2	BASE CASE
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	169.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	169.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	169.7	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	169.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FNLS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	169.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	169.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	169.1	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	169.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	168.1	GEN520922 1-SLEEPING BEAR
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	168.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	168.0	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.9	GEN520997 1-MORLND2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.9	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	167.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	167.5	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	167.3	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	167.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	166.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	166.8	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	166.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	166.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	166.3	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	166.1	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	163.5	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	163.4	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	163.2	DBL-IRON-CLR
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	162.6	DBL-THIS-CLR
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	162.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	162.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	161.9	GEN520997 1-MORLND2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.9	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.4	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	161.2	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	161.2	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.2	GEN542962 2-IATAN UNIT #2
FNSL	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	161.1	DOVER - DOVER SW 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.1	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.0	GEN515393 1-OGEWND2G
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.0	GEN515365 1-CENT 21 34.500
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	161.0	IODINE - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	161.0	GEN645001 1-FORT CALHOUN 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.7	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.7	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.5	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	160.5	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.5	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.3	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.3	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.2	GEN523122 1-NBLWND-WTG210.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN645012 2-NEBRASKA CITY 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN523121 1-NBLWND-WTG110.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.1	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	160.0	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.8	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.7	MOORELAND - TALOGA 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.7	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	159.6	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.6	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.6	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.5	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.5	GEN560429 1-G08-29 0.6400	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.1	GEN560586 1-G06-44-4 4.1600	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	159.0	BASE CASE	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	158.7	GEN560585 1-G06-44-3 4.1600	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	158.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	158.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	158.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	157.8	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	157.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	157.3	GEN520997 1-MORLND2	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.1	GEN515389 1-TLGAWND1 34.500	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	157.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	157.0	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	156.9	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	156.7	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	156.3	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.2	GEN520997 1-MORLND2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.1	BASE CASE	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.0	GEN560286 1-G10-01-1WTG 0.6900	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.0	GEN560287 1-G10-01-2WTG 0.6900	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	156.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	155.8	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	155.7	GEN560371 1-G07-46 0.6900	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	155.5	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	155.4	GEN560256 1-G10-14-1 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	155.2	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	155.2	GEN560257 1-G10-14-2 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	154.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	154.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.6	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	154.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	154.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	154.3	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.7	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.6	MINGO - SETAB 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	153.6	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	153.6	GEN562042 1-G11_014_3 0.6900
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	153.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.4	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	153.3	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.2	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	152.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	152.9	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.6	GEN514806 1-SOONER UNIT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	152.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	152.6	MINGO - SETAB 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	152.4	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.4	MINGO - RED WILLOW 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	152.1	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.1	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	152.0	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	152.0	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.9	MINGO - RED WILLOW 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.7	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	151.7	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	151.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.6	MOORELAND - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.6	GEN521120 1-BUFBEAR2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.4	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.4	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.4	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.4	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.3	FLATRDG3 - HARPER 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	151.1	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.1	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.1	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	151.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.9	GEN515042 1-SEMINOLE 3G
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.9	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.8	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.8	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN520947 1-HUGO1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.8	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.8	GEN336821 1-GRAND GULF UNIT
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.8	GEN560687 1-G11-007 0.5750
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.7	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.7	GEN509394 1-FLINT CREEK
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.7	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.6	AXTELL - POST ROCK 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.5	GEN515225 1-MUSKOGEE 5G
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.5	GEN515223 1-MUSKOGEE 4G
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.4	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.4	GEN509403 1-PIRKEY GENERATION
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	GEN509406 1-WELSH #3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	GEN509405 1-WELSH #2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	GEN509404 1-WELSH #1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.3	GEN501801 1-DOLET HILLS UNIT1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.2	GEN562017 1-G11_022_3 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	150.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	150.2	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	150.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	150.0	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.4	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.3	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	149.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.2	GEN560121 1-G08-47 0.5750
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.1	GEN562020 1-G11_021_3 0.6900
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	148.7	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	147.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	147.5	DBL-THIS-CLR
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.7	MIDLNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.7	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.6	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	146.4	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.4	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	GEN562020 1-G11_021_3 0.6900
FNSL	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.3	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.2	GEN542962 2-IATAN UNIT #2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.2	GEN526334 1-JONES_4 116.500
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.2	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	146.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.0	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.9	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.8	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.7	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.7	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.7	BEAVER CO 345.00 - Hitchland Interchange 345KV CKT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.7	DOVER - DOVER SW 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.6	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.5	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.5	GEN515450 1-CRSRDW21 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.5	GEN523201 1-EXCELN4-WTG10.6000
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.5	GEN515365 1-CENT 21 34.500
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	145.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.4	GEN524295 1-SPNSPUR_WND10.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.4	GEN515393 1-OGEWND2G
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.4	GEN520997 1-MORLND2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.4	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.3	GEN542962 2-IATAN UNIT #2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.2	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	145.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.2	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	145.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.0	GEN514805 1-SOONER UNIT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	144.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.8	GEN523461 1-BLACKHAWK GEN #1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.8	EASTDC - WELSH 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.8	GEN523462 1-BLACKHAWK GEN #2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.8	GEN562023 1-G11_020_3 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.8	GEN562026 1-G11_019_3 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.7	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	144.7	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.4	GEN523122 1-NBLWND-WTG210.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.4	GEN527161 1-MUSTANG GEN #1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.4	GEN527162 1-MUSTANG GEN #2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.4	GEN523121 1-NBLWND-WTG110.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.3	GEN560584 1-G06-44-2 4.1600
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.3	GEN523107 1-NOVUS_WND 14.1600
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	144.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	144.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.2	GEN526332 1-JONES GEN #2 21 KV
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.2	GEN523123 1-NBLWND-WTG310.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.0	GEN526334 1-JONES_4 116.500
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	144.0	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.8	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	143.8	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.7	GEN645012 2-NEBRASKA CITY 2
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.6	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	143.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.6	BASE CASE
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	143.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.5	GEN560586 1-G06-44-4 4.1600
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.4	BENTON - WICHITA 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	MOORELAND - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.3	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.2	HOLCOMB - SETAB 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	143.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.1	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	143.0	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.9	GEN514806 1-SOONER UNIT 2
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.7	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	142.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.6	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.5	GEN560648 1-G07-21 0.5750
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	142.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.4	GEN514805 1-SOONER UNIT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.2	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.2	GEN520922 1-SLEEPING BEAR
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.2	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.2	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.1	GEN560371 1-G07-46 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	142.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.9	DEWEY - TALOGA 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	141.9	EL RENO - ROMAN NOSE 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	141.9	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	141.8	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	141.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	141.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	141.6	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	141.5	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	HARPER - MILAN TAP 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	141.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.3	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.1	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	141.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.0	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN509416 1-TURK GENERATION
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN520947 1-HUGO1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	KNOLL 230 - SMOKYH6 230.00 230KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	140.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.7	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	140.7	DEWEY - SOUTHARD 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.6	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	140.6	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	140.5	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	GEN509403 1-PIRKEY GENERATION
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	140.5	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	AXTELL - PAULINE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.5	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	GEN336821 1-GRAND GULF UNIT
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	GEN562042 1-G11_014_3 0.6900
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN509406 1-WELSH #3
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN509405 1-WELSH #2
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN514806 1-SOONER UNIT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN560256 1-G10-14-1 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	140.4	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN336153 1-WATERFORD UNIT#3
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.3	GEN511841 1-NORTHEASTERN STATION #4
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.2	GEN515397 1-OUSPR1 34.500
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.2	GEN560257 1-G10-14-2 0.6900
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	140.2	GEN520922 1-SLEEPING BEAR
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	139.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.7	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.7	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.7	GEN520922 1-SLEEPING BEAR
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	GEN560175 1-G07-44 0.5750
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	139.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.4	GEN560282 1-G08-19 0.6000
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.4	GEN520997 1-MORLND2
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.3	MINGO - RED WILLOW 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	139.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	139.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.9	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.9	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	138.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.8	GEN531447 1-HOLCOMB GENERATOR
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.7	GEN515042 1-SEMINOLE 3G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.6	GEN509416 1-TURK GENERATION
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.6	BENTON - WICHITA 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.6	GEN515226 1-MUSKOGEE 6G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.6	GEN520947 1-HUGO1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.4	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.4	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.4	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.4	GEN560224 1-G07-62-4 0.6900
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.3	GEN515225 1-MUSKOGEE 5G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.3	GEN515223 1-MUSKOGEE 4G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.2	GEN336821 1-GRAND GULF UNIT
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.2	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.2	GEN509403 1-PIRKEY GENERATION
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.1	GEN336153 1-WATERFORD UNIT#3
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.1	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.1	GEN509406 1-WELSH #3
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.1	GEN509405 1-WELSH #2
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.1	GEN509404 1-WELSH #1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.1	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	138.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.0	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	138.0	DOVER SW - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.0	GEN515041 1-SEMINOLE 2G
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.0	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.9	GEN509394 1-FLINT CREEK
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	137.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	137.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	137.4	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	137.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.2	GEN560121 1-G08-47 0.5750
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.0	GEN562020 1-G11_021_3 0.6900
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	136.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	136.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	GEN560224 1-G07-62-4 0.6900
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.1	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.0	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.0	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.0	GEN562017 1-G11_022_3 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	136.0	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.9	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.9	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.9	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.9	GEN539762 1-SSWIND 1 34.500

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.8	GEN531459 2-S2 GENERATOR	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.8	GEN560268 1-G10-15-2 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.8	GEN539785 1-ENSNW 1 0.5750	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.8	DOVER - DOVER SW 138KV CKT 1	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.8	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.8	GEN523461 1-BLACKHAWK GEN #1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	135.8	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN523462 1-BLACKHAWK GEN #2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN539767 1-GRAY COUNTY WIND FARM	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	135.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.6	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.6	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN560696 1-G11-008-4 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN527162 1-MUSTANG GEN #2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN527161 1-MUSTANG GEN #1	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.5	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.4	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.4	GEN515393 1-OGEWND2G	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.4	GEN515365 1-CENT 21 34.500	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.4	GEN645001 1-FORT CALHOUN 1	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.3	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.2	GEN526334 1-JONES 4 116.500	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	135.1	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	GEN562023 1-G11_020_3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	GEN562026 1-G11_019_3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.0	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	135.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.8	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	134.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.8	GEN542902 1-GPW_G1 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.8	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	134.7	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.7	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.7	GEN515393 1-OGEWND2G	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.7	GEN560514 1-G04_014 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.7	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	134.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	134.7	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.6	GEN560694 1-G11-008-2 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	134.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.5	GEN645012 2-NEBRASKA CITY 2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.5	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	134.4	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.3	GEN560238 1-G10-09 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.2	DBL-THIS-CLR	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.2	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.1	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	133.9	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.7	GEN560659 1-G07-38 0.6900	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.7	DOVER - TWIN LAKES 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.7	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.7	GEN560432 1-G08-124 0.6900	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.6	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.6	DOVER - DOVER SW 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.6	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.6	MOORELAND - TALOGA 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.6	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	GEN560329 1-G10-45 0.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	GEN531503 1-CIMRRN 1 34.500	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.5	IODINE - MOORELAND 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.5	GEN560693 1-G11-008-1 0.6900	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.4	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN542957 1-IATAN UNIT #1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN523122 1-NBLWND-WTG210.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN659111 2-LELAND OLDS UNIT2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN523121 1-NBLWND-WTG110.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN560584 1-G06-44-2 4.1600	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN523107 1-NOVUS_WND 14.1600	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN526332 1-JONES GEN #2 21 KV	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	GEN515365 1-CENT 21 34.500	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.2	GEN523123 1-NBLWND-WTG310.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.2	GEN523461 1-BLACKHAWK GEN #1	
FNSL	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.2	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.2	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.2	GEN523462 1-BLACKHAWK GEN #2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.1	GEN542962 2-IATAN UNIT #2	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	133.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.1	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.1	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.0	GEN562023 1-G11_020_3 0.6900	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.0	GEN562026 1-G11_019_3 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.0	GEN515393 1-OGEWND2G	
FDNS	04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.0	EASTDC - WELSH 345KV CKT 1	
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.9	BASE CASE	
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.9	GEN562023 1-G11_020_3 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.9	GEN562026 1-G11_019_3 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.9	GEN645001 1-FORT CALHOUN 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.8	GEN527161 1-MUSTANG GEN #1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.8	GEN527162 1-MUSTANG GEN #2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.7	GEN560586 1-G06-44-4 4.1600	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.4	GEN560585 1-G06-44-3 4.1600	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	132.4	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.4	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.4	GEN526334 1-JONES_4 116.500	
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	132.4	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.3	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.3	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	132.1	GEN523117 1-BUFF_DUNES210.6900	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	132.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.9	GEN645012 2-NEBRASKA CITY 2	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.9	GEN562032 1-G11_017_3 0.6900	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	131.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.5	GEN640009 1-COOPER NUCLEAR STATION	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.5	GEN515389 1-TLGAWND1 34.500
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.5	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.5	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.4	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.4	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	131.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.4	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	131.4	GEN514805 1-SOONER UNIT 1
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.2	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	131.0	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.8	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02G11_022	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	130.8	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.8	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.8	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.7	GEN560371 1-G07-46 0.6900
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.5	GEN560256 1-G10-14-1 0.6900
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.3	GEN560257 1-G10-14-2 0.6900
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.3	DOVER SW - OKEENE 138KV CKT 1	
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	130.2	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.1	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.0	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	130.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	129.9	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	129.6	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	129.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	129.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.4	GEN531447 1-HOLCOMB GENERATOR	
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.4	GEN514806 1-SOONER UNIT 2
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.2	GEN562042 1-G11_014_3 0.6900
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.1	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.9	IMO TAP - MEN TAP 138KV CKT 1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02G11_022	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.9	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	128.9	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	128.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	128.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	128.6	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.5	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	128.5	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	128.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	128.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	128.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_022	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.2	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	128.2	MINGO - SETAB 345KV CKT 1
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	128.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	128.2	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS		2	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	127.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	03ALL	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.8	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	02G11_022	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	127.8	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		1	0 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.7	CARTER JCT - WOODWARD 69KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.5	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	127.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.5	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.4	GEN509416 1-TURK GENERATION
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	127.4	BENTON - WICHITA 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN520947 1-HUGO1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.3	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN336821 1-GRAND GULF UNIT
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.3	GEN521120 1-BUFBEAR2
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN515223 1-MUSKOGEE 4G
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.2	GEN336153 1-WATERFORD UNIT#3
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN515225 1-MUSKOGEE 5G
FDNS	02G11_022	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.1	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	GEN509403 1-PIRKEY GENERATION
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.0	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	127.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN509406 1-WELSH #3
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN509405 1-WELSH #2
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN509404 1-WELSH #1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.0	GEN501801 1-DOLET HILLS UNIT1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	126.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	126.9	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	126.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.6	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.2	GEN562020 1-G11_021_3 0.6900
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.2	GEN560121 1-G08-47 0.5750
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.7	GEN560429 1-G08-29 0.6400
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	125.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	124.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.070	123.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.6	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.5	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	123.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.8	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.8	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.8	GEN542957 1-IATAN UNIT #1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.8	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.8	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.8	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	GEN562017 1-G11_022_3 0.6900
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	GEN659111 2-LELAND OLDS UNIT2
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	GEN523461 1-BLACKHAWK GEN #1
FDNS	1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.7	DOVER - DOVER SW 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	GEN523462 1-BLACKHAWK GEN #2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	GEN560121 1-G08-47 0.5750
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.6	GEN542962 2-IATAN UNIT #2
FNSL		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.6	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.6	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	GEN527162 1-MUSTANG GEN #2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	GEN527161 1-MUSTANG GEN #1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	GEN515449 1-CRSRDW11 0.6900
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	122.5	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	GEN562020 1-G11_021_3 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	EASTDC - WELSH 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.4	GEN515450 1-CRSRDW21 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	122.4	ROSE HILL - SOONER 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.4	GEN514805 1-SOONER UNIT 1
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	122.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.3	GEN526334 1-JONES_4 116.500
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	122.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.3	GEN645001 1-FORT CALHOUN 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	122.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.9	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	121.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	121.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.5	GEN645012 2-NEBRASKA CITY 2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	121.5	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS	01ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	121.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	121.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	121.1	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	121.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	121.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	120.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	120.7	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	120.7	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	120.3	MINGO - SETAB 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.2	GEN514806 1-SOONER UNIT 2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	120.2	GEN560648 1-G07-21 0.5750
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	120.0	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	120.0	CIMARRON - NORTHWEST 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	119.8	MINGO - RED WILLOW 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.7	AXTELL - POST ROCK 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	119.7	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.6	GEN520922 1-SLEEPING BEAR
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	119.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	119.4	BENTON - WICHITA 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	119.0	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	119.0	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	118.8	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.5	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	118.4	HOLCOMB - SETAB 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	118.4	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN515226 1-MUSKOGEE 6G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.4	MULLERGREN - SPEARVILLE 230KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN509416 1-TURK GENERATION
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	GEN515397 1-OUSPRT 1 34.500
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.3	CIRCLE - MULLERGREN 230KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN336821 1-GRAND GULF UNIT
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN520947 1-HUGO1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	GEN336153 1-WATERFORD UNIT#3
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	GEN515225 1-MUSKOGEE 5G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	GEN515223 1-MUSKOGEE 4G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	HARPER - MILAN TAP 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	118.0	GEN560175 1-G07-44 0.5750
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.0	GEN509403 1-PIRKEY GENERATION
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.9	GEN560282 1-G08-19 0.6000
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN509406 1-WELSH #3
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN509405 1-WELSH #2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN509404 1-WELSH #1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN501801 1-DOLETT HILLS UNIT1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.8	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.8	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	SOONER - WOODRING 345KV CKT 1
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN509394 1-FLINT CREEK
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN515042 1-SEMINOLE 3G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.7	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.5	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	117.5	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	117.3	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.1	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	117.1	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560221 1-G07-62-1 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560222 1-G07-62-2 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560223 1-G07-62-3 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.9	GEN560224 1-G07-62-4 0.6900
FDNS		03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.6	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		03ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	116.3	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS		2	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	115.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	115.6	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	115.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.7	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		6	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	114.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.3	GEN515365 1-CENT 21 34.500
FDNS		4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	114.2	DBL-WICH-THI
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	114.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	113.8	GEN515393 1-OGEWIND2G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	113.7	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.6	GEN560221 1-G07-62-1 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.6	GEN560222 1-G07-62-2 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.6	GEN560223 1-G07-62-3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.5	GEN562017 1-G11_022_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.5	GEN542957 1-IATAN UNIT #1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.5	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.4	GEN531459 2-S2 GENERATOR
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.4	DOVER - DOVER SW 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.4	GEN523461 1-BLACKHAWK GEN #1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.3	GEN523462 1-BLACKHAWK GEN #2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.3	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.3	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.3	GEN560121 1-G08-47 0.5750
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.2	GEN562020 1-G11_021_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.2	GEN542962 2-IATAN UNIT #2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.2	GEN542902 1-GPW_G1 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.1	GEN560695 1-G11-008-3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.1	GEN560514 1-G04_014 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	113.1	DBL-WICH-THI
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.0	EASTDC - WELSH 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.0	GEN645001 1-FORT CALHOUN 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.0	GEN515365 1-CENT 21 34.500
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	113.0	GEN560694 1-G11-008-2 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	113.0	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN539807 1-G05-12 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN526334 1-JONES_4 116.500
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.7	GEN515393 1-OGEWND2G
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.7	GEN560238 1-G10-09 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.7	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	09ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.6	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.6	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.5	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.5	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.4	GEN562023 1-G11_020_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.4	GEN562026 1-G11_019_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.3	GEN560659 1-G07-38 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	112.3	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.3	GEN562035 1-G11_016_3 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.3	GEN560432 1-G08-124 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN560549 1-G06-06 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN531503 1-CIMRRN 1 34.500
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN560329 1-G10-45 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN645012 2-NEBRASKA CITY 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.2	GEN560693 1-G11-008-1 0.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	04ALL		0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	112.0	GEN520997 1-MORLND2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.8	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.7	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	111.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.4	DBL-SPRVL-CL
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.2	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.1	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	111.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.0	GEN560429 1-G08-29 0.6400
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.0	GEN562032 1-G11_017_3 0.6900
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.2	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.1	MOORELAND - TALOGA 138KV CKT 1
FNSL		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.8	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	109.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		9	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	108.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.8	DBL-IRON-CLR
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	108.6	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	108.2	DOVER SW - OKEENE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	108.2	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	107.9	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	107.3	GEN531447 1-HOLCOMB GENERATOR
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	107.3	DEWEY - IODINE 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	107.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	106.9	GEN560429 1-G08-29 0.6400
FDNS		06ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	106.7	GEN520997 1-MORLND2
FDNS		4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	106.6	GEN520997 1-MORLND2
FDNS		4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	106.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	105.8	GEN525561 1-TOLK GEN #1 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	105.2	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		06ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		6	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	105.1	DBL-WICH-THI
FDNS		4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		06ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.076	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	104.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	103.7	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	103.0	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		6	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	102.4	GEN520997 1-MORLND2
FDNS		09ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.071	102.2	DBL-WICH-THI
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	102.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	101.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	101.3	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	101.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	101.0	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		06ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		4	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.062	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	100.6	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	100.4	BASE CASE
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.059	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		3	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		04ALL	0	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	100.2	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		3	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	235.7	DBL-WICH-THI
FDNS		02ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	224.6	DBL-WICH-THI
FDNS		01ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	217.1	DBL-WICH-THI
FDNS		02G11_022	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	208.3	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	2	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	197.9	DBL-WICH-THI
FDNS	1	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	192.5	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	153.8	DBL-WICH-THI
FDNS	06ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	143.4	DBL-WICH-THI
FDNS	6	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	137.7	DBL-WICH-THI
FDNS	09ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	127.6	DBL-WICH-THI
FDNS	00G11_022	0	14WP	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	126.5	DBL-WICH-THI
FDNS	9	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	124.4	DBL-WICH-THI
FDNS	13ALL	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	123.2	DBL-WICH-THI
FDNS	13	0	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	122.9	DBL-WICH-THI
FDNS	00G11_022	0	19WP	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	119.7	DBL-WICH-THI
FDNS	00G11_022	0	14SP	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.045	103.7	DBL-WICH-THI
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.046	110.3	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.046	110.1	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.046	107.9	OCHILTREE (H TP80219401) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.046	107.8	HITCHLAND INTERCHANGE - OCHILTREE 230KV CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.061	102.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.061	102.2	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.041	100.8	MOORE COUNTY INTERCHANGE (ENRCO 136402) 230/115/13.2KV TRANSFORMER CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.061	100.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	00G11_022	0	24SP	G11_022	FROM->TO	HITCHLAND INTERCHANGE (H TP80148301) 230/115/13.2KV TRANSFORMER CKT 1	288	0.061	100.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	142.3	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	140.7	DBL-IRON-CLR
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.043	139.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.030	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.030	125.0	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.046	124.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	124.5	HOLCOMB - SETAB 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	120.7	DBL-BVR-WWRD
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	118.9	DBL-SPRVL-CL
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.043	118.3	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	117.4	DBL-HTCH-BVR
FDNS	3	0	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	112.9	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.233	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.199	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.199	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.080	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.185	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.185	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.199	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.193	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.193	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_022	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.190	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	3	0	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.040	108.8	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.041	108.0	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.030	102.1	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	101.1	DBL-BVR-WWRD
FDNS	03ALL	0	14G	G11_022	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	102.8	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_022	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.033	101.5	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.064	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.058	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.064	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.061	102.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02G11_022	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.059	100.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.056	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.427	204.3	DBL-BVR-WWRD
FDNS	02NR	2	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.217	195.0	DBL-BVR-WWRD
FDNS	2	2	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.428	182.3	DBL-BVR-WWRD

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.245	116.4	DBL-HTCH-BVR
FDNS	02G11_022	2	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.246	105.5	DBL-HTCH-BVR
FDNS	01ALL	2	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	105.6	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.045	103.4	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	101.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	3	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.040	119.2	DBL-THIS-CLR
FDNS	3	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.054	111.1	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.036	110.6	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.040	105.7	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.036	103.2	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.032	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.032	103.2	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.035	102.5	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.048	102.2	DBL-BVR-WWRD
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	CIRCLE - MULLERGREN 230KV CKT 1	318.7	0.035	101.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	3	2	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	121.6	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.042	116.3	DBL-WICH-THI
FDNS	02G11_022	2	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	108.3	DBL-WICH-THI
FDNS	2	2	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.043	101.7	DBL-WICH-THI
FDNS	3	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	223.3	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.042	214.2	DBL-WICH-THI
FDNS	02G11_022	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	200.2	DBL-WICH-THI
FDNS	2	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.043	188.6	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.037	180.9	DBL-WICH-THI
FDNS	1	2	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.037	160.2	DBL-WICH-THI
FDNS	02G11_022	2	14G	G11_022	FROM->TO	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	316	0.068	101.7	DBL-BVR-WWRD
FDNS	02ALL	2	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.052	109.7	DBL-WICH-THI
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.052	101.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.048	101.6	DBL-WICH-THI
FDNS	1	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	116.8	DBL-WICH-THI
FDNS	02G11_022	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	115.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	111.5	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	109.0	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	106.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	105.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	105.0	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	105.0	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	103.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	103.4	GEN520997 1-MORLND2
FDNS	2	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.066	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	103.0	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	102.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	102.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.069	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	100.9	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	100.1	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	100.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	100.1	IODINE - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	100.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	217.7	DBL-WICH-THI	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	207.0	DBL-TGA-MATT	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	206.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	199.1	DBL-WICH-THI	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	190.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	188.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	186.8	DBL-WICH-THI	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	185.7	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	184.1	DEWEY - IODINE 138KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.066	183.7	DBL-WICH-THI	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	180.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	177.9	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	176.2	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	175.5	BASE CASE	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	174.6	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	173.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	171.4	GEN520997 1-MORLND2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	170.5	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	168.8	DEWEY - IODINE 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	168.6	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	167.9	BASE CASE	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.5	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	166.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	165.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	165.7	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	165.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	164.0	GEN520997 1-MORLND2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	163.3	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	162.3	DBL-WICH-THI	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	162.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.069	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	161.4	MINGO - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	161.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	160.7	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	160.6	BASE CASE	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	160.6	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	160.4	GEN520997 1-MORLND2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	160.2	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	160.1	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	159.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	159.7	MINGO - RED WILLOW 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	159.6	GEN514805 1-SOONER UNIT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	159.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	159.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	159.1	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	158.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	158.5	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	158.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	158.3	HOLCOMB - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	158.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	158.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	157.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	157.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	157.6	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	157.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	157.2	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	157.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.0	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.8	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	156.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.5	BENTON - WICHITA 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	156.5	GEN520922 1-SLEEPING BEAR
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	156.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	156.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	156.4	RENFROW4 138.00 - SAND RDG 138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	156.2	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.9	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.9	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	155.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.8	GEN515042 1-SEMINOLE 3G
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.8	GEN509416 1-TURK GENERATION
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.7	GEN520947 1-HUGO1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.7	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.4	GEN336821 1-GRAND GULF UNIT
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.4	GEN515225 1-MUSKOGEE 5G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.4	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.4	FLATRDG3 - HARPER 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.3	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.3	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	155.3	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	155.3	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.2	GEN509406 1-WELSH #3
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.2	GEN509405 1-WELSH #2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.2	GEN509404 1-WELSH #1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.2	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	155.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	154.8	HARPER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	154.8	CONWAY SUB - NICHOLS STATION 115KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	154.7	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	154.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	154.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	153.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	153.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	153.5	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	153.1	MINGO - SETAB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	152.9	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	152.9	MINGO - RED WILLOW 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	152.8	DEWEY - TALOGA 138KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	152.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	152.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	152.2	AXTELL - POST ROCK 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	152.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	151.8	GEN520997 1-MORLND2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	151.5	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	151.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	151.0	BENTON - WICHITA 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.8	GEN514806 1-SOONER UNIT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.8	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.7	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.4	IODINE - MOORELAND 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	150.4	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.3	EASTDC - WELSH 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	150.3	HOLCOMB - SETAB 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	150.3	DOVER - DOVER SW 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.2	MULLERGREEN - SPEARVILLE 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.1	GEN515365 1-CENT 21 34.500	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.1	GEN542957 1-IATAN UNIT #1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.1	CIRCLE - MULLERGREEN 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.1	GEN523201 1-EXCELN4-WTG10.6000	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.0	SMOKYHL6 230.00 - SUMMITT 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.0	GEN515393 1-OGEWND2G	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.0	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	150.0	GEN523461 1-BLACKHAWK GEN #1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.9	GEN523462 1-BLACKHAWK GEN #2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.8	GEN542962 2-IATAN UNIT #2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	GEN659111 2-LELAND OLDS UNIT2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	GEN562023 1-G11_020_3 0.6900	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	GEN562026 1-G11_019_3 0.6900	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.7	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN523122 1-NBLWND-WTG10.6900	
FNSL	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN659103 1-ANTELOPE VALLEY UNIT1	
FNSL	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN527161 1-MUSTANG GEN #1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN527162 1-MUSTANG GEN #2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.6	GEN523121 1-NBLWND-WTG10.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	149.5	FARGO JCT - WOODWARD 69KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.5	GEN560584 1-G06-44-2 4.1600	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.5	GEN523107 1-NOVUS_WND 14.1600	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.4	GEN523123 1-NBLWND-WTG310.6900	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.4	GEN645001 1-FORT CALHOUN 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.3	BASE CASE	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.3	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.2	GEN526334 1-JONES_4 116.500	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.1	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.1	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.1	GEN526332 1-JONES GEN #2 21 KV	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.1	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.1	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	149.1	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	149.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.9	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.9	GEN515226 1-MUSKOGEE 6G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	148.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.8	GEN509416 1-TURK GENERATION
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.8	GEN520947 1-HUGO1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	148.8	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.8	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.8	GEN560586 1-G06-44-4 4.1600
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	148.7	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	148.6	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.6	GEN515225 1-MUSKOGEE 5G
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.6	GEN515223 1-MUSKOGEE 4G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.5	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	148.5	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.4	GEN560585 1-G06-44-3 4.1600
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	GEN509403 1-PIRKEY GENERATION
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	GEN645012 2-NEBRASKA CITY 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	GEN509406 1-WELSH #3
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	GEN509405 1-WELSH #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.3	GEN509404 1-WELSH #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN511840 1-NORTHEASTERN STATION #3
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	AXTELL - PAULINE 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	MOORELAND - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN560429 1-G08-29 0.6400
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN511841 1-NORTHEASTERN STATION #4
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN336821 1-GRAND GULF UNIT
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.1	BENTON - ROSE HILL 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.1	GEN509394 1-FLINT CREEK
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	148.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	148.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	148.1	GEN336153 1-WATERFORD UNIT#3
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	147.9	GEN640009 1-COOPER NUCLEAR STATION
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	147.9	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	147.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	147.6	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	147.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.9	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	146.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.5	GEN514805 1-SOONER UNIT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.4	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	146.4	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	146.4	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	146.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	146.2	BYRON_138 138.00 - SANDY_CN 138138.00 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	146.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	146.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.9	GEN560256 1-G10-14-1 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.9	DEWEY - TALOGA 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.9	GEN560371 1-G07-46 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.8	MINGO - SETAB 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.5	GEN560257 1-G10-14-2 0.6900
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.3	GEN520997 1-MORLND2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.3	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.3	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	145.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	145.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	145.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	145.1	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	145.0	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	144.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	144.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	144.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	144.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	144.6	STATLINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	144.5	GEN514806 1-SOONER UNIT 2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	144.5	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	144.4	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	144.3	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	144.2	GEN562042 1-G11_014_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.9	GEN560221 1-G07-62-1 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.9	GEN560222 1-G07-62-2 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.9	GEN560223 1-G07-62-3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.9	GEN560224 1-G07-62-4 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	143.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	143.8	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.8	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.7	GEN560121 1-G08-47 0.5750
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.7	GEN562020 1-G11_021_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.7	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.7	GEN531208 1-FLTRDG-WG1 0.6000
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.6	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	143.6	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.6	GEN520922 1-SLEEPING BEAR
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	143.5	DOVER - DOVER SW 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.5	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.5	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.5	GEN539762 1-SSWIND 1 34.500
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	143.5	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN515365 1-CENT 21 34.500
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN539785 1-ENSNGW 1 0.5750
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN542957 1-IATAN UNIT #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.4	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	143.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.3	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.2	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.2	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.2	GEN515393 1-OGEWND2G
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.1	GEN560696 1-G11-008-4 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	143.1	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.1	GEN542962 2-IATAN UNIT #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.0	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	143.0	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	143.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.9	GEN562023 1-G11_020_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.9	GEN562026 1-G11_019_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.9	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.9	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	142.8	BENTON - WICHITA 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.8	GEN515042 1-SEMINOLE 3G
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.8	GEN645001 1-FORT CALHOUN 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.7	GEN509416 1-TURK GENERATION
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	142.7	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.7	GEN520947 1-HUGO1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.7	GEN515226 1-MUSKOGEE 6G
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.6	GEN525561 1-TOLK GEN #1 24 KV

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.5	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.5	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.5	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.5	GEN531447 1-HOLCOMB GENERATOR	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.5	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN515225 1-MUSKOGEE 5G	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN515223 1-MUSKOGEE 4G	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	142.3	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN560695 1-G11-008-3 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN527903 1-HOBBS PLANT #3 (ST)	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	142.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN336821 1-GRAND GULF UNIT	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	142.3	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	142.3	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN509403 1-PIRKEY GENERATION	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.3	GEN542902 1-GPW_G1 0.6900	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.2	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.2	GEN336153 1-WATERFORD UNIT#3	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.2	GEN509406 1-WELSH #3	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.2	GEN509405 1-WELSH #2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.2	GEN509404 1-WELSH #1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.2	FARGO JCT - FT SUPPLY 69KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	GEN501801 1-DOLET HILLS UNIT1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	GEN560694 1-G11-008-2 0.6900	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	142.1	CARTER JCT - WOODWARD 69KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	142.1	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.1	GEN560514 1-G04_014 0.6900	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.0	GEN511840 1-NORTHEASTERN STATION #3	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.0	MULLERGREN - SPEARVILLE 230KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	142.0	GEN511841 1-NORTHEASTERN STATION #4	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.0	GRAND ISLAND - SWEETWATER 345KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	141.9	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.9	GEN509394 1-FLINT CREEK	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.8	CIRCLE - MULLERGREN 230KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	141.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	141.7	HARPER - MILAN TAP 138KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.7	CONWAY SUB - NICHOLS STATION 115KV CKT 1	
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.7	ELK CITY - FALCON ROAD 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.6	GEN539807 1-G05-12 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.4	GEN560429 1-G08-29 0.6400	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	141.4	MOORELAND - TALOGA 138KV CKT 1	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.3	GEN560238 1-G10-09 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.3	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	141.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	141.2	GEN562017 1-G11_022_3 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.9	GEN560659 1-G07-38 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.9	GEN562035 1-G11_016_3 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.9	GEN560432 1-G08-124 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.8	GEN560693 1-G11-008-1 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.8	GEN560549 1-G06-06 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	140.7	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	140.5	GEN520922 1-SLEEPING BEAR	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.5	GEN560121 1-G08-47 0.5750	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.4	GEN560329 1-G10-45 0.6900	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.4	GEN562020 1-G11_021_3 0.6900	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	140.4	GEN531503 1-CIMRRN 1 34.500	
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	140.4	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	140.1	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	139.8	BASE CASE
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	139.8	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.6	DEWEY - TALOGA 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.6	BASE CASE
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	139.5	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.4	OKLAUNION - TUOCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	139.4	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	139.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.2	GEN523117 1-BUFF_DUNES210.6900
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.0	GEN562032 1-G11_017_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	138.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.9	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	138.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	138.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	138.7	DBL-WICH-THI
FNLS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	138.6	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	138.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	138.2	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.2	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	138.1	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.8	DEWEY - IODINE 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	137.6	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	137.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	137.5	DOVER - TWIN LAKES 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	137.4	DOVER - DOVER SW 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.4	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	137.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	EASTDC - WELSH 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.1	GEN515365 1-CENT 21 34.500
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.1	GEN542957 1-IATAN UNIT #1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	137.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	137.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.9	GEN515393 1-OGEWIND2G
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.9	GEN659111 2-LELAND OLDS UNIT2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.9	GEN523122 1-NBLWND-WTG210.6900
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.9	GEN523121 1-NBLWND-WTG110.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN527162 1-MUSTANG GEN #2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN527161 1-MUSTANG GEN #1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN562023 1-G11_020_3 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN562026 1-G11_019_3 0.6900
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	136.8	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN560584 1-G06-44-2 4.1600
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN542962 2-IATAN UNIT #2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN523107 1-NOVUS_WND 14.1600
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.7	GEN523123 1-NBLWND-WTG310.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.7	GEN526332 1-JONES GEN #2 21 KV
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.6	GEN514805 1-SOONER UNIT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.5	GEN527902 1-HOBBS PLANT #2 (CT)

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.5	GEN526334 1-JONES_4 116.500
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.5	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.5	GEN531447 1-HOLCOMB GENERATOR
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.4	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.4	GEN645001 1-FORT CALHOUN 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.4	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	136.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.1	GEN560586 1-G06-44-4 4.1600
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	136.1	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	136.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	136.0	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.9	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.8	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.8	GEN560585 1-G06-44-3 4.1600
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	135.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.7	GEN527882 1-CUNNINGHAM GEN #2 20 KV
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	135.6	GEN520997 1-MORLND2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	135.6	DEWEY - TALOGA 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.3	GEN645012 2-NEBRASKA CITY 2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	135.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	135.2	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.2	GEN560429 1-G08-29 0.6400
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	135.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.1	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.1	GEN560286 1-G10-01-1WTG 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.1	GEN560287 1-G10-01-2WTG 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	135.0	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	135.0	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	135.0	FT SUPPLY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	135.0	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	134.9	GEN560371 1-G07-46 0.6900
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	134.9	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	134.8	MOORELAND - TALOGA 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	134.7	MINGO - SETAB 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	134.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	134.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	134.5	GEN514806 1-SOONER UNIT 2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	134.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	134.3	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	134.3	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	134.2	IMO TAP - MEN TAP 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	134.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	134.0	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.9	CIMARRON - NORTHWEST 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.7	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.7	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.6	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.6	SAND RDG 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.6	GEN562042 1-G11_014_3 0.6900
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	133.6	CEDARDALE - OKEENE 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.6	MINGO - RED WILLOW 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.6	GEN560256 1-G10-14-1 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	133.5	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	133.4	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.4	GEN560257 1-G10-14-2 0.6900
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.4	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.4	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	133.4	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	133.4	IODINE - MOORELAND 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.2	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	133.1	HOLCOMB - SETAB 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	133.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	133.0	FARGO JCT - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.8	GEN515042 1-SEMINOLE 3G
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	132.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.7	GEN509416 1-TURK GENERATION
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.7	GEN520947 1-HUGO1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.7	GEN515226 1-MUSKOGEE 6G
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.7	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	132.6	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	132.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	132.5	BENTON - WICHITA 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	132.5	RENFROW4 138.00 - SAND RDG_ 138138.00 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.4	GEN336821 1-GRAND GULF UNIT
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.4	AXTELL - POST ROCK 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.4	GEN515225 1-MUSKOGEE 5G
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.4	GEN515223 1-MUSKOGEE 4G
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	132.3	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.3	GEN509403 1-PIRKEY GENERATION
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.3	GEN336153 1-WATERFORD UNIT#3
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	132.3	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.2	GEN509406 1-WELSH #3
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.2	GEN509405 1-WELSH #2
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.2	GEN509404 1-WELSH #1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.2	FLATRDG3 - HARPER 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.2	GEN501801 1-DOLET HILLS UNIT1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.2	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.1	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.1	GEN511840 1-NORTHEASTERN STATION #3
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.1	GEN515041 1-SEMINOLE 2G
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	132.0	GEN511841 1-NORTHEASTERN STATION #4
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	132.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	131.9	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	131.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.9	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.9	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	131.8	SOONER - WOODRING 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	131.7	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	131.6	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	131.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.9	GEN560121 1-G08-47 0.5750
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.9	GEN562020 1-G11_021_3 0.6900
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	130.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.4	GEN531447 1-HOLCOMB GENERATOR
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	130.3	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	130.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	129.9	GEN515389 1-TLGAWND1 34.500
FDNS	02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	129.7	GEN562017 1-G11_022_3 0.6900
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	129.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	129.2	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	129.1	GEN525562 1-TOLK GEN #2 24 KV	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	129.0	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	128.8	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	128.6	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS		1	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	128.2	GEN514805 1-SOONER UNIT 1	
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	128.2	CEDARDALE - OKEENE 138KV CKT 1	
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	128.1	KNOBHILL - MOORELAND 138KV CKT 1	
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.8	DOVER - TWIN LAKES 138KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.7	EASTDC - WELSH 345KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	127.7	DOVER - DOVER SW 138KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.5	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	03ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	127.5	CEDARDALE - MOORELAND 138KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.5	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.4	GEN542957 1-IATAN UNIT #1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.3	GEN527161 1-MUSTANG GEN #1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.3	GEN527162 1-MUSTANG GEN #2	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.3	GEN515365 1-CENT 21 34.500	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.3	GEN659111 2-LELAND OLDS UNIT2	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.2	GEN560586 1-G06-44-4 4.1600	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.2	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.2	GEN659103 1-ANTELOPE VALLEY UNIT1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.2	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	127.1	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.1	GEN542962 2-IATAN UNIT #2	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.1	GEN515393 1-OGEWND2G	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.0	GEN527902 1-HOBBS PLANT #2 (CT)	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.0	GEN560585 1-G06-44-3 4.1600	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.0	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	127.0	GEN526334 1-JONES_4 116.500	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.9	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.9	GEN562023 1-G11_020_3 0.6900	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.9	GEN562026 1-G11_019_3 0.6900	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	126.9	GEN514805 1-SOONER UNIT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.8	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.8	GEN645001 1-FORT CALHOUN 1	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	126.8	IMO TAP - MEN TAP 138KV CKT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	126.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	126.7	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	126.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	126.5	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.2	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.2	GEN527882 1-CUNNINGHAM GEN #2 20 KV	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.1	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	126.1	MINGO - SETAB 345KV CKT 1	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	126.0	GEN514806 1-SOONER UNIT 2	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	126.0	CLEO CORNER - MEN TAP 138KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	126.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	125.9	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.8	GEN645012 2-NEBRASKA CITY 2	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	125.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	02G11_022		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	125.8	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS		3	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	125.8	CIMARRON - NORTHWEST 345KV CKT 1	
FDNS		2	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.8	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL		2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	125.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.7	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	125.6	AXTELL - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.6	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.6	GEN560286 1-G10-01-1WTG 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.6	GEN560287 1-G10-01-2WTG 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	125.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.5	GEN640009 1-COOPER NUCLEAR STATION
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	125.4	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.4	GEN560371 1-G07-46 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.4	GEN560429 1-G08-29 0.6400
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.4	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.3	GEN520922 1-SLEEPING BEAR
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.3	GEN560256 1-G10-14-1 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	125.2	GEN560257 1-G10-14-2 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	125.1	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.1	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	125.1	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	125.1	BENTON - WICHITA 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	125.0	GEN514806 1-SOONER UNIT 2
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.8	MOORELAND - TALOGA 138KV CKT 1
FDNS		02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	124.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.5	GEN521120 1-BUFBEAR2
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.4	MINGO - SETAB 345KV CKT 1
FDNS		02G11_022	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	124.3	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.3	MULLERGREEN - SPEARVILLE 230KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.3	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.3	FARGO JCT - WOODWARD 69KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.3	FLATRDG3 - HARPER 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	124.3	CIRCLE - MULLERGREEN 230KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.3	SANDY_CN 138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	124.3	HOLCOMB - SETAB 345KV CKT 1
FDNS		03ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN509416 1-TURK GENERATION
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN562042 1-G11_014_3 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN515226 1-MUSKOGEE 6G
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	124.1	GEN520947 1-HUGO1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.1	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	124.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.9	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.9	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.9	GEN515225 1-MUSKOGEE 5G
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.9	GEN515223 1-MUSKOGEE 4G
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.8	HARPER - MILAN TAP 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.8	GEN336821 1-GRAND GULF UNIT
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.8	GEN509403 1-PIRKEY GENERATION
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.7	GEN509406 1-WELSH #3
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.7	GEN509405 1-WELSH #2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.7	GEN509404 1-WELSH #1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.7	GEN336153 1-WATERFORD UNIT#3
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.7	MINGO - RED WILLOW 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.7	GEN515225 1-MUSKOGEE 5G
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.7	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.7	GEN515226 1-MUSKOGEE 6G
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.6	GEN515223 1-MUSKOGEE 4G
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.6	GEN501801 1-DOLET HILLS UNIT1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.6	GRACEMONT - MINCO 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.6	GRAND ISLAND - SWEETWATER 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.6	GEN511840 1-NORTHEASTERN STATION #3
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.5	GEN515042 1-SEMINOLE 3G
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.5	GEN511841 1-NORTHEASTERN STATION #4
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.5	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	123.5	SOONER - WOODRING 345KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.5	GEN520997 1-MORLND2
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	123.5	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.4	GEN509394 1-FLINT CREEK
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.4	FARGO JCT - FT SUPPLY 69KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.4	GEN335831 1-RIVERBEND UNIT#1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.3	ELK CITY - FALCON ROAD 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	123.3	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.0	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	122.8	DEWEY - SOUTHARD 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	122.4	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	122.2	GEN562017 1-G11_022_3 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	122.1	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.6	GEN560121 1-G08-47 0.5750
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	121.4	CEDARDALE - OKEENE 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.3	GEN562020 1-G11_021_3 0.6900
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	121.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.0	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	121.0	GEN525561 1-TOLK GEN #1 24 KV
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	120.9	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	120.9	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	120.8	DOVER SW - OKEENE 138KV CKT 1
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	120.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	120.2	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	02G11_022		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	119.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	119.7	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	119.6	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	119.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.6	GEN525562 1-TOLK GEN #2 24 KV
FNSL	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.6	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.6	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.6	GEN542962 2-IATAN UNIT #2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.6	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	FREEDOM - WEST 69KV CKT 1
FNSL	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.4	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.4	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.3	GEN645001 1-FORT CALHOUN 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.3	GEN560121 1-G08-47 0.5750
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.3	GEN560696 1-G11-008-4 0.6900
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.3	GEN526334 1-JONES_4 116.500
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.3	EASTDC - WELSH 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.3	GEN562020 1-G11_021_3 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	119.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.2	EASTDC - WELSH 345KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.2	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.2	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.1	BUFFALO - WEST 69KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	119.1	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL		2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	119.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.1	GEN527161 1-MUSTANG GEN #1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.1	GEN527162 1-MUSTANG GEN #2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.1	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.0	GEN531459 2-S2 GENERATOR
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	119.0	DOVER - DOVER SW 138KV CKT 1	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	119.0	GEN659111 2-LELAND OLDS UNIT2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.9	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	118.9	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.9	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.9	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.8	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN659103 1-ANTELOPE VALLEY UNIT1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN526334 1-JONES_4 116.500
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN515365 1-CENT 21 34.500
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN542902 1-GPW_G1 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.8	GEN560695 1-G11-008-3 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.7	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	118.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.7	GEN645012 2-NEBRASKA CITY 2	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.7	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.7	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	118.7	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN542962 2-IATAN UNIT #2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN560514 1-G04_014 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN560694 1-G11-008-2 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.6	GEN515393 1-OGEWND2G
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.5	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.5	GEN640009 1-COOPER NUCLEAR STATION	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.5	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.4	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.3	GEN562023 1-G11_020_3 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.3	GEN562026 1-G11_019_3 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.3	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.3	GEN539807 1-G05-12 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.2	GEN560648 1-G07-21 0.5750	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	118.1	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.1	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.0	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	118.0	GEN560238 1-G10-09 0.6900
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	118.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	118.0	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.9	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	117.9	BASE CASE
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	117.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.8	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.8	GEN560659 1-G07-38 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.7	GEN562035 1-G11_016_3 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.7	GEN560432 1-G08-124 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.7	GEN560693 1-G11-008-1 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	117.7	GEN520922 1-SLEEPING BEAR
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.6	GEN560549 1-G06-06 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.5	GEN645012 2-NEBRASKA CITY 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.4	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	117.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.3	GEN531503 1-CIMRRN 1 34.500
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.3	GEN560329 1-G10-45 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.3	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	117.1	GEN640009 1-COOPER NUCLEAR STATION
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	117.1	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	117.0	CLEO CORNER - MEN TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.9	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.9	GEN560429 1-G08-29 0.6400
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.7	GEN560175 1-G07-44 0.5750
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.6	GEN560282 1-G08-19 0.6000
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.6	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.6	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.6	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.4	DEWEY - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.4	GEN523117 1-BUFF_DUNES210.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.3	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	116.3	GEN562032 1-G11_017_3 0.6900
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	116.2	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	115.9	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	115.9	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	115.9	MOORELAND - TALOGA 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	115.9	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	115.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	115.7	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	115.5	BEAVER CO 345.00 - BUCKNER7 345.00 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	115.3	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.9	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	114.9	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.7	GEN531447 1-HOLCOMB GENERATOR
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	114.6	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	114.4	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.4	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.4	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.2	GEN525561 1-TOLK GEN #1 24 KV
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	113.7	GEN515397 1-OUSPRT 1 34.500
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	113.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	113.5	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	113.4	DOVER SW - OKEENE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	113.2	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	113.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.7	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	112.6	GEN531447 1-HOLCOMB GENERATOR
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.6	GEN560221 1-G07-62-1 0.6900
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.6	GEN560222 1-G07-62-2 0.6900
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.6	GEN560223 1-G07-62-3 0.6900
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.6	GEN560224 1-G07-62-4 0.6900
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	112.5	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	112.4	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	112.2	CEDARDALE - OKEENE 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	112.2	FT SUPPLY - IODINE 138KV CKT 1
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	112.1	DEWEY - SOUTHARD 138KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	111.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	111.7	GEN525562 1-TOLK GEN #2 24 KV
FDNS		01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	111.5	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	111.5	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	111.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	111.0	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	111.0	IMO TAP - MEN TAP 138KV CKT 1
FDNS		3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	110.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	110.6	IODINE - MOORELAND 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	110.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	2	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	110.4	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	110.3	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	110.2	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	110.0	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	110.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	109.5	DOVER SW - OKEENE 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	109.4	GEN515389 1-TLGAWND1 34.500
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	109.1	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	108.7	GEN515365 1-CENT 21 34.500
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	108.4	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	108.3	GEN515393 1-OGEWND2G
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	108.1	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	108.0	GEN562023 1-G11_020_3 0.6900
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	108.0	GEN562026 1-G11_019_3 0.6900
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	107.3	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	107.1	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	106.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	106.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	106.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	106.1	GEN514806 1-SOONER UNIT 2
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	105.8	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	105.8	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	105.7	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	105.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	105.2	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	105.1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	105.0	CEDARDALE - OKEENE 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.9	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.9	GEN521120 1-BUFBEAR2
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.9	MINGO - SETAB 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.7	GEN515226 1-MUSKOGEE 6G
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	104.7	KNOBHILL - MOORELAND 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	104.6	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	104.6	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.5	GEN520947 1-HUGO1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.5	GEN509416 1-TURK GENERATION
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	104.5	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	104.5	IMO TAP - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	104.3	CEDARDALE - MOORELAND 138KV CKT 1
FDNS	01ALL	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	103.7	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.7	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.5	GEN542962 2-IATAN UNIT #2
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.5	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	100.5	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	100.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.5	EASTDC - WELSH 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.5	BUFFALO - WEST 69KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	100.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.4	GEN562020 1-G11_021_3 0.6900
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.4	GEN526334 1-JONES_4 116.500
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.3	DOVER - TWIN LAKES 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.3	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.3	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.3	GEN645001 1-FORT CALHOUN 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.2	DOVER - DOVER SW 138KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.1	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.1	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	100.1	ROSE HILL - SOONER 345KV CKT 1
FDNS	1	2	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.1	GEN560648 1-G07-21 0.5750

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		1	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2 14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	100.0	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		02G11_022	2 14G	G11_022	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.061	104.0	DBL-BVR-WWRD
FDNS		02ALL	2 14G	G11_022	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.038	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	233.9	DBL-WICH-THI
FDNS		02ALL	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.042	226.9	DBL-WICH-THI
FDNS		02G11_022	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	210.7	DBL-WICH-THI
FDNS		2	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.043	199.1	DBL-WICH-THI
FDNS		01ALL	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.037	191.5	DBL-WICH-THI
FDNS		1	2 14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.037	170.8	DBL-WICH-THI
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	141.6	DBL-THIS-CLR
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	130.5	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS		3	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.044	125.7	DBL-SPRVL-CL
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	122.3	CLARKCOUNTY7345.00 - THISTLE7 345.00 345KV CKT 2
FDNS		3	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	118.9	DBL-WICH-THI
FDNS		3	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	118.3	DBL-IRON-CLR
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.047	116.7	DBL-BVR-WWRD
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	116.1	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.039	116.0	MINGO - SETAB 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	114.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	114.2	MULLERGREN - SOUTH HAYS 230KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	113.8	HOLCOMB - SETAB 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	112.6	GEN539677 3-A. M. MULLERGREN GENERATOR
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.037	112.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.9	GREENSBURG - SSTARTP3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.4	GREENSBURG - SUN CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.036	111.2	MINGO - RED WILLOW 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.2	MEDICINE LODGE - SUN CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.1	BARBER 3 115.00 - SAWYER 3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	111.0	ALEXANDER - SAWYER 3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.7	BARBER 3 115.00 - MEDICINE LODGE 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.6	CLARKCOUNTY7345.00 - IRONWOOD7 345.00 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.6	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	110.4	CLARKCOUNTY7345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	110.0	POSTROCK6 230.00 - SOUTH HAYS 230KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.9	MANNING TAP - SCOTT CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.8	NESS CITY - NESS CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.5	DIGHTON TAP - MANNING TAP 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	109.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.4	ALEXANDER - NESS CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.2	ALEXANDER - NEKOMA 115KV CKT 1
FDNS		3	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	109.0	BEELER - DIGHTON TAP 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.9	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	108.8	BEELER - NESS CITY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.035	108.6	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.6	GEN542962 2-IATAN UNIT #2
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.4	MINGO (MINGO) 345/115/13.8KV TRANSFORMER CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN542957 1-IATAN UNIT #1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.3	GEN640009 1-COOPER NUCLEAR STATION
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	108.0	ALEXANDER - NINNES3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.0	CRKCK 3 115.00 - CUDAHY 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	108.0	FLATRDG3 - HARPER 138KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	CUDAHY - KISMET 3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.9	GEN645012 2-NEBRASKA CITY 2
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.8	GEN532663 1-LAWRENCE ENERGY CENTER UNIT 5
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.7	GEN542951 5-HAWTHORN UNIT #5
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.7	ANDERSONCO 345.00 - LACYGNE 345KV CKT 1
FDNS		03ALL	2 14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.7	HARPER - MILAN TAP 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.7	NINNES3 115.00 - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.7	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	COLBY - MINGO 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	ANDERSONCO 345.00 - WOLF CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.034	107.6	GERALD GENTLEMAN STATION - RED WILLOW 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	CLEARWATER - MILAN TAP 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN560140 1-G09-08 0.7000
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.6	NORTH JUDSON LARGE SUB - SSTARTP3 115.00 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.6	GEN542956 2-LACYGNE UNIT #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.5	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.5	LACROSSE TAP - NEKOMA 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN530594 01-SMKYP1G1 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.4	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	GEN645001 1-FORT CALHOUN 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	107.4	SPEARVILLE (SPEARVILLE) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	107.4	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	107.3	HEIZER - LACROSSE TAP 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	SPEARVILLE (SPWIND 1) 230/34.5/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	106.3	BASE CASE
FDNS	3	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.040	105.7	POST ROCK (POSTROCK T1) 345/230/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.033	105.5	HOLCOMB (HOLCOMB) 345/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	KNOLL 230 - SMOKYHL6 230.00 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	FLATRDG3 - MEDICINE LODGE 138KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.3	MEDICINE LODGE (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	105.2	COVERT 3 115.00 - SMITH CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN539653 1-CIMARRON RIVER PLANT GENERATOR
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	105.2	COVERT 3 115.00 - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.2	GEN599891 1-OKLAUN
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SWISSVALE - WEST GARDNER 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 (HEIZER T1) 230/115/12.5KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	HEIZER 6 230.00 - MULLERGREN 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527161 1-MUSTANG GEN #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN527162 1-MUSTANG GEN #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MOUNDRIDGE - RENO COUNTY 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	SPEARVILLE (SPEARVL6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523461 1-BLACKHAWK GEN #1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	MULLERGREN (MULGRE6) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.1	GEN523462 1-BLACKHAWK GEN #2
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	105.0	GEN526334 1-JONES_4 116.500
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	105.0	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN531459 2-S2 GENERATOR
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.8	HUNTSVILLE - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.7	RUSSELL - WALDO 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.5	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.4	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	EASTDC - WELSH 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.3	GEN539762 1-SSWIND 1 34.500
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	104.1	CIRCLE - EAST MCPHERSON 230KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	104.1	HOYT - STRANGER CREEK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	103.9	ST JOHN - ST JOHN 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.9	GEN560522 1-G05-12-2 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.7	GEN560696 1-G11-008-4 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	103.7	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.6	GEN539785 1-ENSNOW 1 0.5750
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	103.6	ELLSWTP3 115.00 - RUSSELL 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.4	GEN560267 1-G10-15-1 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GEN560268 1-G10-15-2 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - MULLERGREN 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.3	GREAT BEND TAP - SEWARD 115KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	103.0	GEN560695 1-G11-008-3 0.6900

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TC%LOADING TDF (% MVA)	CONTINGENCY	
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560238 1-G10-09 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN539767 1-GRAY COUNTY WIND FARM
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN560694 1-G11-008-2 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.7	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.3	GEN523117 1-BUFF_DUNES210.6900
FDNS	3	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.045	102.2	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN560329 1-G10-45 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	102.1	GEN531503 1-CIMRRN 1 34.500
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.9	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN525561 1-TOLK GEN #1 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.6	GEN560693 1-G11-008-1 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.3	GEN539807 1-G05-12 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN531447 1-HOLCOMB GENERATOR
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	101.0	GEN525562 1-TOLK GEN #2 24 KV
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	100.9	CIRCLE (CIRCLE1X) 230/115/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.031	100.9	SEWARD - ST JOHN 115KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.053	100.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560659 1-G07-38 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.5	GEN560432 1-G08-124 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.4	GEN562035 1-G11_016_3 0.6900
FDNS	03ALL	2	14G	G11_022	TO->FROM	MULLERGREN - SPEARVILLE 230KV CKT 1	318.7	0.032	100.3	GEN560549 1-G06-06 0.6900
FDNS	3	2	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	112.2	DBL-THIS-CLR
FDNS	03ALL	2	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.036	110.3	AXTELL - POST ROCK 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.033	104.8	CIRCLE - MULLERGREN 230KV CKT 1
FDNS	3	2	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.046	104.2	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_022	FROM->TO	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1	330	0.035	101.3	DBL-SPRVL-CL
FDNS	03ALL	2	14G	G11_022	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.034	103.0	BENTON - WICHITA 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	FROM->TO	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 1	430	0.034	101.4	BENTON - WICHITA 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.056	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	2	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.058	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.055	105.9	DBL-WICH-THI
FDNS	03ALL	2	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.058	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_022	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.056	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02NR	3	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.218	195.9	DBL-BVR-WWRD
FDNS	02NR	3	14G	G11_022	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.092	105.3	DBL-TGA-MATT
FDNS	01ALL	2A	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	106.5	GEN525562 1-TOLK GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	BUFFALO 230.00 - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	350.5669	0.046	102.5	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_022	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.146	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	191	0.041	108.9	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	201.2	DBL-WICH-THI
FDNS	1	2A	14G	G11_022	TO->FROM	CLEARWATER - MILAN TAP 138KV CKT 1	110	0.041	177.3	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.053	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	135.1	DBL-WICH-THI
FDNS	1	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	116.6	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	116.0	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	115.7	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	115.5	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	113.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	113.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	113.5	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	113.0	BASE CASE
FDNS	1	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.068	112.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	112.7	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.077	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.058	111.3	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	110.7	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.054	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	110.0	GEN515389 1-TLGAWND1 34.500
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.046	110.0	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	109.5	SPP-SWPS-02A
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	108.9	GEN514805 1-SOONER UNIT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	108.8	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	108.6	SPP-SWPS-05
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.060	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	108.2	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	108.0	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	108.0	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.9	SPP-SWPS-04
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.056	107.9	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.8	GEN514806 1-SOONER UNIT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.8	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.8	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.6	CARTER JCT - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.5	MINGO - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.3	BENTON - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	CARTER JCT - MOORELAND 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	107.2	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.2	GEN521120 1-BUFBEAR2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.1	SPP-MKEC-08
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.053	107.1	MINGO - RED WILLOW 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	107.0	MATHWSN7 345.00 - WOODRING 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	106.9	MOORELAND - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.9	AXTELL - POST ROCK 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.9	GEN515225 1-MUSKOGEE 5G
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.9	GEN515226 1-MUSKOGEE 6G
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.9	GEN515223 1-MUSKOGEE 4G
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	106.9	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	106.8	HOLCOMB - SETAB 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.8	FLATRDG3 - HARPER 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.055	106.8	SPP-AEPW-32
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.8	GEN509416 1-TURK GENERATION
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.8	GEN520947 1-HUGO1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.7	FLATRDG3 - THISTLE4 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	106.7	THISTLE7 345.00 (THISTLE T1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.5	FREEDOM - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.5	BUFFALO - WEST 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	104.5	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.4	BRANTLEY - DURHAM 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.4	MIDLNTN4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.4	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.4	3TERM7
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN523461 1-BLACKHAWK GEN #1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN560121 1-G08-47 0.5750
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN523462 1-BLACKHAWK GEN #2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.3	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN542957 1-IATAN UNIT #1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN562020 1-G11_021_3 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN527161 1-MUSTANG GEN #1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN527162 1-MUSTANG GEN #2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.3	GEN539670 4-JUDSON LARGE GENERATOR
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.2	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FNSL	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.2	GEN659111 2-LELAND OLDS UNIT2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.2	GEN526334 1-JONES_4 116.500
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	GEN542962 2-IATAN UNIT #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	EASTDC - WELSH 345KV CKT 1
FNSL	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.1	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.1	DOVER - TWIN LAKES 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.0	GEN515449 1-CRSRDW11 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.0	ROSE HILL - SOONER 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.0	GEN645001 1-FORT CALHOUN 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.0	GEN515450 1-CRSRDW21 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	104.0	DOVER - DOVER SW 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	104.0	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.050	103.9	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.047	103.9	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.8	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.8	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	103.8	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	103.7	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.7	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	103.6	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.6	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	103.4	GEN640009 1-COOPER NUCLEAR STATION
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	102.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	1	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.057	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.5	GEN560648 1-G07-21 0.5750
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.052	102.4	VIOLA 7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.2	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.2	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.2	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	102.2	GEN659118 1-LARAMIE RIVER UNIT1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.2	GEN531447 1-HOLCOMB GENERATOR
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.0	GEN560175 1-G07-44 0.5750
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.0	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	101.0	GEN560282 1-G08-19 0.6000
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.7	GEN515397 1-OUSPR1 34.500
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	100.6	DEWEY - SOUTHARD 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.4	GEN525561 1-TOLK GEN #1 24 KV
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	100.1	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.0	GEN560221 1-G07-62-1 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.0	GEN560222 1-G07-62-2 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.0	GEN560223 1-G07-62-3 0.6900
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	100.0	GEN560224 1-G07-62-4 0.6900
FDNS	1	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	99.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_022	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.051	99.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	194.2	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.068	166.7	DBL-WICH-THI
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	166.5	GEN515787 1-OKLA WIND ENERGY CENTER
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	165.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	164.9	BASE CASE
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	162.9	GEN520922 1-SLEEPING BEAR
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	162.5	DEWEY - TALOGA 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.9	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	157.8	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	157.4	FT SUPPLY - IODINE 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.9	GEN520997 1-MORLND2
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	156.0	IODINE - MOORELAND 138KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	153.5	SPP-SWPS-03
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	152.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	151.9	GEN515389 1-TLGAWND1 34.500	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	150.8	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.8	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	149.3	POTTER COUNTY INTERCHANGE (WAWK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	149.3	GEN514805 1-SOONER UNIT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	148.2	G11-17T 345.00 - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.7	SPP-SWPS-04	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	147.7	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	147.6	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	147.4	GEN514806 1-SOONER UNIT 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.4	G11-17T 345.00 - SPEARVILLE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.4	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	147.1	CARTER ICT - WOODWARD 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.9	MINGO - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	CARTER ICT - MOORELAND 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	146.5	BENTON - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.3	GEN521120 1-BUFBEAR2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.3	MATHWSN7 345.00 - WOODRING 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	146.2	MOORELAND - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.2	SPP-MKEC-08	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	146.1	CIMARRON - MATHWSN7 345.00 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	146.1	MINGO - RED WILLOW 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	146.1	BEAVER CO 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	145.9	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.8	AXTELL - POST ROCK 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.8	GEN515225 1-MUSKOGEE 5G	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.7	GEN515226 1-MUSKOGEE 6G	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.7	GEN515223 1-MUSKOGEE 4G	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	145.7	HOLCOMB - SETAB 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.6	FLATRDG3 - HARPER 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.5	GEN509416 1-TURK GENERATION	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	145.5	GEN520947 1-HUGO1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.4	3TERM7	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	KILDARE4 - NEWKIRK4 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.3	GEN560121 1-G08-47 0.5750	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.3	BRANTLEY - DURHAM 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN527161 1-MUSTANG GEN #1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN527162 1-MUSTANG GEN #2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.2	FREEDOM - WEST 69KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN520997 1-MORLND2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.2	BUFFALO - WEST 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN542957 1-IATAN UNIT #1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.2	GEN539670 4-JUDSON LARGE GENERATOR	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.1	GEN562020 1-G11_021_3 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.1	BRANTLEY - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	141.1	MOREWOOD SW - MORWOOD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.1	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	141.1	WOODWARD - WOODWARD EHV 138KV CKT 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.0	GEN526334 1-JONES_4 116.500	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.0	EASTDC - WELSH 345KV CKT 1	
FNSL	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	141.0	GEN659111 2-LELAND OLDS UNIT2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN542962 2-IATAN UNIT #2	
FNSL	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN659103 1-ANTELOPE VALLEY UNIT1	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FNSL	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN659107 2-ANTELOPE VALLEY UNIT2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.9	GEN527163 1-MUSTANG GEN #3 22 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.8	ROSE HILL - SOONER 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.7	GEN515449 1-CRSRDW11 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.7	BUFBEAR2 - BUFFALO 69KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.7	GEN645001 1-FORT CALHOUN 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.6	GEN515450 1-CRSRDW21 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.5	DOVER - TWIN LAKES 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.5	GEN527901 1-HOBBS PLANT #1 (CT)	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.4	DOVER - DOVER SW 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.4	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	140.4	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	140.4	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	140.2	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.1	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.060	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	140.0	GEN645012 2-NEBRASKA CITY 2	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	140.0	CLINTON JUNCTION - ELK CITY 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.7	GEN640009 1-COOPER NUCLEAR STATION	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	139.4	SAND RDG_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	139.2	GEN515787 1-OKLA WIND ENERGY CENTER	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.5	BASE CASE	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	138.3	VIOLA 7 345.00 - WICHITA 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	138.0	GEN560648 1-G07-21 0.5750	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.5	GEN523971 1-HARRINGTON GEN #1 24 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.5	GEN523972 1-HARRINGTON GEN #2 24 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.5	GEN523973 1-HARRINGTON GEN #3 24 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	137.4	GEN659118 1-LARAMIE RIVER UNIT1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	137.4	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.057	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.9	GEN520922 1-SLEEPING BEAR	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.7	GEN531447 1-HOLCOMB GENERATOR	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.4	GEN560175 1-G07-44 0.5750	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.3	GEN560282 1-G08-19 0.6000	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	135.1	GEN515397 1-OUSPR1 34.500	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	135.0	DEWEY - TALOGA 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	134.6	GEN525561 1-TOLK GEN #1 24 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	134.5	EL RENO - ROMAN NOSE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	134.0	ROMAN NOSE - SOUTHARD 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.077	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.6	GEN525562 1-TOLK GEN #2 24 KV	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN560221 1-G07-62-1 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN560222 1-G07-62-2 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN560223 1-G07-62-3 0.6900	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	133.4	GEN560224 1-G07-62-4 0.6900	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.3	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	133.1	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.9	DEWEY - SOUTHARD 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	132.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	132.5	WOODWARD - WOODWARD EHV 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	131.6	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	131.3	SPP-SWPS-03	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	131.0	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.6	FT SUPPLY - IODINE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	130.2	GEN515365 1-CENT 21 34.500	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	130.0	DOVER SW - OKEENE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.6	GEN515393 1-OGEWND2G	

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.054	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	129.1	IODINE - MOORELAND 138KV CKT 1
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.2	GEN562023 1-G11_020_3 0.6900
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	128.2	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	128.0	SPP-SWPS-02A
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	127.2	GEN515389 1-TLGAWND1 34.500
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	126.7	GEN514805 1-SOONER UNIT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	126.3	RENFROW7 345.00 (BANK 1) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	126.2	WOODWARD DISTRICT EHV (WWDEHV-T2) 345/138/13.8KV TRANSFORMER CKT 2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.046	125.5	WOODWARD DISTRICT EHV (WWDEHV) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	125.4	POTTER COUNTY INTERCHANGE (WAUK 90343-A) 345/230/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	125.2	WOODRING (WOODRNG2) 345/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	124.4	GEN514806 1-SOONER UNIT 2
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	124.4	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	124.3	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	124.1	SPP-SWPS-05
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.061	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	123.8	SPP-SWPS-04
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.056	123.7	Hitchland Interchange - POTTER COUNTY INTERCHANGE 345KV CKT 1
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.6	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	123.5	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.4	MINGO - SETAB 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	123.2	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.055	123.0	SPP-AEPW-32
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.0	GEN515226 1-MUSKOGEE 6G
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.0	CIMARRON - MATHWSN7 345.00 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	123.0	SPP-MKEC-08
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.9	SPP-SWPS-020
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.9	GEN521120 1-BUFBEAR2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	122.9	RENFROW4 138.00 - SAND RDG_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.9	GEN509416 1-TURK GENERATION
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.8	GEN520947 1-HUGO1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.7	BENTON - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.7	GEN515223 1-MUSKOGEE 4G
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.058	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.6	GEN515225 1-MUSKOGEE 5G
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.6	GEN336821 1-GRAND GULF UNIT
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.6	FLATRDG3 - HARPER 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	122.6	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	122.6	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.053	122.5	MINGO - RED WILLOW 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	GEN509403 1-PIRKEY GENERATION
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	122.5	AXTELL - POST ROCK 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	GEN336153 1-WATERFORD UNIT#3
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	GEN509406 1-WELSH #3
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	GEN509405 1-WELSH #2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.5	GEN509404 1-WELSH #1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	122.4	GEN501801 1-DOLET HILLS UNIT1
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	120.4	GEN560429 1-G08-29 0.6400
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	119.5	CEDARDALE - OKEENE 138KV CKT 1
FDNS		01ALL	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	118.8	CEDARDALE - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.5	MIDLTNT4 138.00 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.5	NEWKIRK4 - PECKHAM TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	3TERM7
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN532653 1-JEFFREY ENERGY CENTER UNIT 3
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	BRANTLEY - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	MOREWOOD SW - MORWOOD 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	KILDARE4 - NEWKIRK4 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN527903 1-HOBBS PLANT #3 (ST)
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN515449 1-CRSRDW11 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.4	GEN560121 1-G08-47 0.5750
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN542957 1-IATAN UNIT #1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN659111 2-LELAND OLDS UNIT2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN527162 1-MUSTANG GEN #2

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.3	GEN527161 1-MUSTANG GEN #1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	GEN562020 1-G11_021_3 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	BUFBEAR2 - BUFFALO 69KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	GEN539670 4-JUDSON LARGE GENERATOR
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	EASTDC - WELSH 345KV CKT 1
FNSL		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	GEN659103 1-ANTELOPE VALLEY UNIT1
FNSL		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.2	GEN659107 2-ANTELOPE VALLEY UNIT2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.1	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	ROSE HILL - SOONER 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	GEN526334 1-JONES_4 116.500
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	118.1	GEN542962 2-IATAN UNIT #2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	118.0	DOVER - TWIN LAKES 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	117.9	DOVER - DOVER SW 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN527163 1-MUSTANG GEN #3 22 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.9	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.8	GEN645001 1-FORT CALHOUN 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN527902 1-HOBBS PLANT #2 (CT)
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN532651 1-JEFFREY ENERGY CENTER UNIT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.7	GEN527901 1-HOBBS PLANT #1 (CT)
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	117.6	CLINTON AIR FORCE BASE TAP - HOBART JUNCTION 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.6	GEN640010 1-GERALD GENTLEMAN STATION UNIT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.6	GEN640011 2-GERALD GENTLEMAN STATION UNIT 2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	117.4	CLINTON AIR FORCE BASE TAP - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.2	GEN532652 1-JEFFREY ENERGY CENTER UNIT 2
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	117.2	CLINTON JUNCTION - ELK CITY 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	117.1	GEN645012 2-NEBRASKA CITY 2
FDNS	01ALL		2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	117.1	CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	116.8	SANDY_CN_138138.00 - WAKITA_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	116.8	KNOBHILL - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	116.7	GEN640009 1-COOPER NUCLEAR STATION
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	116.4	GEN560648 1-G07-21 0.5750
FDNS	01ALL		2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	116.3	GLASS MOUNTAIN - MOORELAND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.052	116.0	VIOLA_7 345.00 - WICHITA 345KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.9	GEN659118 1-LARAMIE RIVER UNIT1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.8	GEN523971 1-HARRINGTON GEN #1 24 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.8	GEN523972 1-HARRINGTON GEN #2 24 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.8	GEN523973 1-HARRINGTON GEN #3 24 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.4	GEN560175 1-G07-44 0.5750
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.3	GEN560282 1-G08-19 0.6000
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	114.1	GEN515397 1-OUSPRT 1 34.500
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	113.3	EL RENO - ROMAN NOSE 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.9	GEN531447 1-HOLCOMB GENERATOR
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN560221 1-G07-62-1 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN560222 1-G07-62-2 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN560223 1-G07-62-3 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	112.8	GEN560224 1-G07-62-4 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	112.8	ROMAN NOSE - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	111.9	DEWEY - SOUTHARD 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	111.9	GEN525561 1-TOLK GEN #1 24 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	111.6	BYRON_138 138.00 - SANDY_CN_138138.00 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.9	GEN525562 1-TOLK GEN #2 24 KV
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	110.8	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	110.5	BYRON_138 138.00 - C_CITY_138 138.00 138KV CKT 1
FDNS	01ALL		2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	01ALL		2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	110.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	110.0	GEN515365 1-CENT 21 34.500
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	109.9	C_CITY_138 138.00 - KNOBHILL 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	109.6	GEN515393 1-OGEWND2G
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.047	109.3	DOVER SW - OKEENE 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.6	GEN562023 1-G11_020_3 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	108.6	GEN562026 1-G11_019_3 0.6900
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.050	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.8	IMO TAP - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.0	CLEO CORNER - MEN TAP 138KV CKT 1
FDNS		1	2A	14G	G11_022	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.051	102.8	GEN560429 1-G08-29 0.6400
FDNS	01ALL		2A	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	211.7	DBL-WICH-THI
FDNS		1	2A	14G	G11_022	FROM->TO	HARPER - MILAN TAP 138KV CKT 1	110	0.041	187.9	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	00G11_025	0	24SP	G11_025	TO->FROM	ALLEN SUB - LUBBOCK SOUTH INTERCHANGE 115KV CKT 1	160	0.063	103.0	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1
FDNS	0	0	24SP	G11_025	TO->FROM	ALLEN SUB - LUBBOCK SOUTH INTERCHANGE 115KV CKT 1	160	0.063	100.2	LUBBOCK SOUTH INTERCHANGE - WOLFFORTH INTERCHANGE 230KV CKT 1
FDNS	00G11_025	0	14SP	G11_025	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.049	103.1	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1
FDNS	0	0	14SP	G11_025	TO->FROM	BAILEY COUNTY REC-EARTH INTERCHANGE - PLANT X STATION 115KV CKT 1	160	0.049	100.7	DEAF SMITH COUNTY INTERCHANGE - PLANT X STATION 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.106	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	116.3	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	112.0	DBL-WICH-THI
FDNS	1	0	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.042	100.3	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	140.2	DBL-WICH-THI
FDNS	1	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	130.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	126.4	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	123.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	121.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	120.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	120.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	120.0	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	117.6	WOODWARD - WOODWARD 69KV CKT 1
FDNS	1	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.042	116.8	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	115.9	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	03ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	115.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.049	114.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.0	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	113.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	113.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	112.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	112.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	111.6	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	110.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	109.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	109.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.5	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	108.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	106.6	DBL-WICH-THI
FDNS	1	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	105.3	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.043	105.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	104.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	103.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.044	103.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	101.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	101.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	101.2	OKLAUNION - TUCCO INTERCHANGE 345KV CKT 1
FDNS	1	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	100.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	237.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	224.4	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	219.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	206.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	205.9	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	203.2	DBL-WICH-THI
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	202.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	202.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	198.0	IODINE - WOODWARD EHV 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	196.7	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	194.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	194.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	193.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	189.9	DBL-WICH-THI
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.043	187.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	187.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	185.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	185.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	184.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	182.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	181.0	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	180.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.9	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	179.8	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	178.2	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	1	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	174.0	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	173.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	173.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	171.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	171.3	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	168.9	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	168.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	168.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	167.1	DEWEY - IODINE 138KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	166.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	166.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	164.3	DEWEY - IODINE 138KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	161.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	161.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	161.4	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	160.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.7	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	159.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.1	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	158.1	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	157.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	156.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	155.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	155.2	WOODWARD - WOODWARD 69KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	155.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	154.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	154.3	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	154.2	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	154.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	153.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	152.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.5	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	03ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	151.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	150.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	150.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	149.0	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	148.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	02ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	148.5	MOORELAND - NINE MILE 138KV CKT 1
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	147.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	147.0	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	146.9	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.038	146.9	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	146.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	145.3	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	142.7	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	142.3	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	141.6	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	140.9	WOODWARD - WOODWARD 69KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.5	DEWEY - IODINE 138KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.5	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	136.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	135.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	134.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	133.9	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	04ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.9	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	132.4	WOODWARD - WOODWARD 69KV CKT 1
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	132.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.7	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	130.2	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	129.8	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.0	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	128.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	128.2	MINGO - SETAB 345KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.7	CARTER JCT - WOODWARD 69KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	127.5	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	127.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.3	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	127.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	CARTER JCT - MOORELAND 69KV CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.1	MOORELAND (MOORELND) 138/69/13.8KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	127.0	MINGO - RED WILLOW 345KV CKT 1
FDNS	04ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	123.9	DBL-WICH-THI
FDNS		4	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	06ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	123.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.7	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		2	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	121.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	118.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.8	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	116.4	MOORELAND - NINE MILE 138KV CKT 1
FDNS	01ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	115.4	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	06G11_025	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	115.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	01ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	115.0	MOORELAND - NINE MILE 138KV CKT 1
FDNS	04ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		6	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	114.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	04ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	114.5	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.0	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		3	0 14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	113.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	06ALL	0 14G	G11_025	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	113.1	DBL-WICH-THI

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	09ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	112.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	110.6	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	109.7	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS	9	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	109.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.1	MOREWOOD SW - RED HILLS WIND 138KV CKT 1
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	109.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	107.3	DEWEY - IODINE 138KV CKT 1
FDNS	4	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	106.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	06G11_025	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	105.8	DBL-WICH-THI
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	105.2	ELK CITY - RED HILLS WIND 138KV CKT 1
FDNS	06ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	105.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS	6	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	105.1	DBL-WICH-THI
FDNS	4	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	105.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	06ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	104.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	104.7	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS	09ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	102.2	DBL-WICH-THI
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	101.4	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	101.3	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	06ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.049	100.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	4	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	100.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	100.7	WOODWARD - WOODWARD 69KV CKT 1
FDNS	04ALL	0	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	100.3	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.032	111.1	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	0	14G	G11_025	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.032	100.2	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	3	0	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.031	124.9	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.155	118.5	DBL-WICH-THI
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.134	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.134	103.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.089	103.2	DBL-HTCH-BVR
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.072	100.8	BORDER 7345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.072	100.7	BORDER 7345.00 - TUCO INTERCHANGE 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.197	100.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.126	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.126	100.3	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS	01ALL	0	14G	G11_025	TO->FROM	NORTHWEST - TATONGA7 345.00 345KV CKT 1	1195	0.122	100.0	FPL SWITCH - MOORELAND 138KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	115.4	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS	02ALL	0	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	115.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.035	109.5	DBL-WICH-THI
FDNS	02ALL	0	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.037	107.4	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	0	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 2	287	0.031	105.9	WOODWARD - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_025	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.147	182.3	DBL-BVR-WWRD
FDNS	02ALL	2	14G	G11_025	FROM->TO	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.110	116.4	DBL-HTCH-BVR
FDNS	3	2	14G	G11_025	TO->FROM	CIRCLE - MULLERGREEN 230KV CKT 1	318.7	0.033	111.1	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.040	109.7	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.038	101.6	DBL-WICH-THI
FDNS	1	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.1	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	124.0	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	120.2	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	119.9	DBL-WICH-THI
FDNS	01ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.035	116.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	114.9	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	01ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	110.1	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	107.7	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	105.0	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	103.4	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	103.0	DEWEY - IODINE 138KV CKT 1
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.8	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.8	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	101.5	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	02ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.036	101.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	101.4	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.030	100.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	222.1	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	217.7	DBL-WICH-THI



SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	214.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	207.0	DBL-TGA-MATT
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	205.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	196.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	191.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	186.8	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	185.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	184.1	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	183.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	181.2	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	181.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	179.8	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	177.9	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	176.2	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	174.0	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	172.7	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	172.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	172.1	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	167.8	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	164.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	164.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	164.2	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	163.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	163.0	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	162.3	DBL-WICH-THI
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	161.5	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	159.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	158.8	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	157.2	DEWEY - IODINE 138KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	155.8	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	155.8	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	153.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	152.8	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	151.7	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.044	151.3	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	149.1	IODINE - WOODWARD EHV 138KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	147.4	DEWEY - IODINE 138KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	146.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	144.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	144.6	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	139.4	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	139.0	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	138.7	DBL-WICH-THI
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.9	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.7	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	137.7	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	02ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	137.6	MOORELAND - NINE MILE 138KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	136.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	135.9	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.8	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	133.5	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.6	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.6	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	129.4	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	129.2	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.036	129.2	STLN-DEMARC6 - SWEETWATER 230KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	129.0	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS	01ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	128.4	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS	3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	125.1	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.6	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS	03ALL	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	124.2	MOORELAND - NINE MILE 138KV CKT 1
FDNS	2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	115.2	MOREWOOD SW - NINE MILE 138KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB (MVA)	TDF	TC%LOADING (% MVA)	CONTINGENCY	
FDNS		2	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	114.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.5	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.5	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.035	111.1	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.030	110.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		1	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.042	110.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	101.1	MOREWOOD SW - NINE MILE 138KV CKT 1
FDNS		3	2	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	100.8	MOORELAND - NINE MILE 138KV CKT 1
FDNS		02ALL	2	14G	G11_025	TO->FROM	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	351	0.086	101.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		02ALL	2	14G	G11_025	FROM->TO	GRAPEVINE INTERCHANGE (PENN 0257751) 230/115/13.2KV TRANSFORMER CKT 1	112	0.030	105.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		03ALL	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.034	162.5	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		03ALL	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.034	136.0	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		3	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.035	129.0	G11-17T 345.00 - POST ROCK 345KV CKT 1
FDNS		3	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.035	118.9	DBL-WICH-THI
FDNS		3	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.035	109.2	G11-17T 345.00 - SPEARVILLE 345KV CKT 1
FDNS		02ALL	2	14G	G11_025	TO->FROM	MULLERGREEN - SPEARVILLE 230KV CKT 1	318.7	0.035	100.9	DBL-WICH-THI
FDNS		02ALL	2	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.031	108.2	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		02ALL	2	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.034	107.5	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		02ALL	2	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	105.9	DBL-WICH-THI
FDNS		03ALL	2	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.033	102.3	NORTHWEST - TATONGA7 345.00 345KV CKT 1
FDNS		03ALL	2	14G	G11_025	TO->FROM	WOODWARD - WOODWARD EHV 138KV CKT 1	287	0.030	100.9	WOODWARD - WOODWARD EHV 138KV CKT 2
FDNS		01ALL	2A	14G	G11_025	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.057	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FLATRDG3 - THISTLE4 138.00 138KV CKT 1	286	0.041	112.7	DBL-WICH-THI
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.040	135.1	DBL-WICH-THI
FDNS		1	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	135.1	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	123.1	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	117.6	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	116.6	DEWEY - IODINE 138KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	116.5	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	114.3	WOODWARD - WOODWARD 69KV CKT 1
FDNS		1	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.041	112.7	DBL-WICH-THI
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.031	112.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.045	111.6	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	111.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.3	SPP-SWPS-03
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.2	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	111.2	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	110.9	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.034	110.4	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	109.5	SPP-SWPS-02A
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	109.4	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.6	SPP-SWPS-05
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.033	108.5	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.048	106.8	SPP-AEPW-32
FDNS		01ALL	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.039	106.6	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1
FDNS		1	2A	14G	G11_025	FROM->TO	FPL SWITCH - MOORELAND 138KV CKT 1	287	0.032	102.6	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	206.9	MATHWSN7 345.00 - TATONGA7 345.00 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.040	194.2	DBL-WICH-THI
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	176.7	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	166.7	IODINE - WOODWARD EHV 138KV CKT 1
FDNS		1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.041	166.7	DBL-WICH-THI
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	165.0	DEWEY - IODINE 138KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	162.3	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	160.8	WOODWARD - WOODWARD 69KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	155.6	THISTLE7 345.00 - WICHITA 345KV CKT 2
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	154.3	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	153.5	SPP-SWPS-03
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	153.3	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	152.7	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	151.8	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1
FDNS		01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	150.3	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1

SOLUTION	GROUP	SCENARIO	SEASON	SOURCE	DIRECTION	MONITORED ELEMENT	RATEB		TC%LOADING		CONTINGENCY
							(MVA)	TDF	(% MVA)		
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	149.8	SPP-SWPS-02A	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	149.2	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	149.0	SPP-SWPS-05	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	148.9	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	145.6	SPP-AEPW-32	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	145.4	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	141.8	IODINE - WOODWARD EHV 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	140.1	DEWEY - IODINE 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 2	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	136.1	THISTLE7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.032	136.0	WOODWARD - WOODWARD 69KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.045	133.7	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	131.5	THISTLE7 345.00 - WICHITA 345KV CKT 2	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	131.3	SPP-SWPS-03	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	131.1	LAWTON EASTSIDE - OKLAUNION 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.9	ELK CITY 230KV (ELKCTY-6) 230/138/13.8KV TRANSFORMER CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.9	ELK CITY 230KV - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	130.5	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	130.5	GRAPEVINE INTERCHANGE - STATELINE INTERCHANGE 230KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	129.3	GRAPEVINE INTERCHANGE - NICHOLS STATION 230KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	128.0	SPP-SWPS-02A	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	127.4	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	125.5	FINNEY SWITCHING STATION - HOLCOMB 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	SPP-SWPS-05	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.033	124.1	FINNEY SWITCHING STATION - Hitchland Interchange 345KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.048	123.0	SPP-AEPW-32	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	123.0	STATELINE INTERCHANGE - STLN-DEMARC6 230KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.9	SPP-SWPS-02	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.039	122.7	STLN-DEMARC6 - SWEETWATER 230KV CKT 1	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	110.5	MOREWOOD SW - NINE MILE 138KV CKT 1	
FDNS	01ALL	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.034	110.0	MOORELAND - NINE MILE 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	109.8	MOREWOOD SW - RED HILLS WIND 138KV CKT 1	
FDNS	1	2A	14G	G11_025	TO->FROM	FPL SWITCH - WOODWARD 138KV CKT 1	153	0.031	106.3	ELK CITY - RED HILLS WIND 138KV CKT 1	
FDNS	3	0	14G	G11_027	FROM->TO	BUCKNER7 345.00 - HOLCOMB 345KV CKT 1	717.1	0.035	101.8	DBL-IRON-CLR	
FDNS	09ALL	0	14G	G11_027	FROM->TO	G10-51T 230.00 - HOSKINS 230KV CKT 1	225	1.000	142.8	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	
FDNS	09ALL	0	14G	G11_027	FROM->TO	G10-51T 230.00 - TWIN CHURCH 230KV CKT 1	320	1.000	100.3	G10-51T 230.00 - HOSKINS 230KV CKT 1	
FDNS	3	2	14G	G11_027	TO->FROM	BUCKNER7 345.00 - SPEARVILLE 345KV CKT 1	611.9	0.060	122.3	DBL-THIS-CLR	
FDNS	01ALL	2A	14G	G11_027	TO->FROM	CIMARRON - MATHWSN7 345.00 345KV CKT 1	956	0.051	113.7	MATHWSN7 345.00 - NORTHWEST 345KV CKT 1	

## **I: Power Flow Analysis (Category “C” Contingencies)**

Available upon request