Screening Study SPP-LTSR-2013-005

For OASIS Request #78485385

MAINTAINED BY SPP Engineering, SPP Transmission Service Studies August 6, 2013

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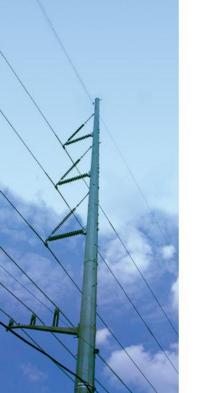




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Executive Summary

American Electric Power has requested a Screening Study to determine the impacts on SPP facilities due to the Long Term Service Requests for 200 MW. The service type requested for this screening study is Long Term Service Request (LTSR). OASIS# 78485385 was studied as one request from 1/1/2016 to 1/1/2026.

The principal objective of this study is to identify system problems and potential system modifications necessary to facilitate the LTSR request while maintaining system reliability. The LTSR request was studied using two system scenarios. The service was modeled by the transfers from OKGE to CSWS. The two scenarios were studied to capture system limitations caused or impacted by the requested service. An analysis was conducted on the planning horizon from 1/1/2016 to 1/1/2026.

The service was modeled from OKGE to CSWS. Facilities on the SPP system were identified for the requested service due to the SPP Study Methodology criteria. Tables 1 and 2 summarize the results of the screening study analysis for the transfers for the scenarios listed in the table. Table 1 lists SPP thermal transfer limitations identified. Table 2 lists SPP voltage transfer limitations identified. Table 3 lists the network upgrades required to mitigate the limitations impacted by this request.



Introduction

American Electric Power has requested a screening study to determine the impacts on SPP facilities for the Long Term Service Requests for 200 MW.

The purpose of the LTSR Option Screening Study is to provide the Eligible Customer with an <u>approximation</u> of the transmission remediation costs of each potential LTSR and a reasonable <u>cost differential</u> between alternatives for the purpose of an Eligible Customer's ranking of its potential LTSRs. The results of the Screening Study are not binding and the Eligible Customer retains the rights to enter the Aggregate Transmission Service Study. The Screening Study results will not assess the third party impacts and upgrades required. Service will not be granted based on the Screening Study for potential LTSRs on the Transmission System. To obtain a Service Agreement, Eligible Customers must apply for service and follow the application process set forth in Parts II and III of the Tariff.

This study includes steady-state contingency analysis (PSS/E function ACCC). The steady-state analysis considers the impact of the request on transmission line and transformer loadings for outages of single transmission lines, transformers, and generating units, and selected multiple transmission lines and transformers on the SPP and first-tier third party systems.

The LTSR request was studied using two system scenarios. The service was modeled by a transfer from OKGE to CSWS. The two scenarios were studied to capture the system limitations caused or impacted by the requested service. Scenario 0 includes projected usage of transmission service included in the SPP 2011 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2011 Series Cases.



Study Methodology

Description

The facility study analysis was conducted to determine the steady-state impact of the requested service on the SPP system. The steady-state analysis was performed to ensure current SPP Criteria and NERC Reliability Standards requirements are fulfilled. SPP conforms to NERC Reliability Standards, which provide strict requirements related to voltage violations and thermal overloads during normal conditions and during a contingency. NERC Standards require all facilities to be within normal operating ratings for normal system conditions and within emergency ratings after a contingency.

Normal operating ratings and emergency operating ratings monitored are Rate A and B in the SPP Model Development Working Group (MDWG) models, respectively. The upper bound and lower bound of the normal voltage range monitored is 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 105% and 90%. Transmission Owner voltage monitoring criteria is used if more restrictive. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations. The WERE Wolf Creek 345 kV bus voltage is monitored at 103.5% and 98.5% due to transmission operating procedure.

The contingency set includes all SPP control area branches and ties 69 kV and above; first tier non-SPP control area branches and ties 115 kV and above; any defined contingencies for these control areas; and generation unit outages for the control areas with SPP reserve share program redispatch. The monitor elements include all SPP control area branches, ties, and buses 69 kV. and above, Voltage monitoring was performed for SPP control area buses 69 kV and above.

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

Model Updates

SPP used four seasonal models to study the OKGE to CSWS 200 MW request for the requested service period. The following SPP Transmission Expansion Plan 2012 Build 1



Cases were used to study the impact of the requested service on the transmission system:

2014/15 Winter Peak (14WP) 2018 Summer Peak (18SP) 2018/19 Winter Peak (18WP) 2023 Summer Peak (23SP) 2023/24 Winter Peak (23WP)

The Summer Peak models apply to June through September, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the current modeling information. From the six seasonal models, two system scenarios were developed. Scenario 0 includes projected usage of transmission included in the SPP 2012 Series Cases. Scenario 5 includes transmission not already included in the SPP 2012 Series Cases.

Transmission Request Modeling

Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation because the requested Network Integration Transmission Service is a request to serve network load with the new designated network resource, and the impacts on the Transmission System are determined accordingly. Generation to Generation transfers are accomplished by developing a post-transfer case for comparison by dispatching the request source and redispatching the request sink.

Transfer Analysis

Using the selected cases both with and without the requested transfer modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or impacted by the transfer. Transfer distribution factor cutoffs and voltage threshold (0.02 change) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.



Study Results

Study Analysis Results

Tables 1 and 2 contain the initial steady-state analysis results of the LTSR. The tables are attached to the end of this report, if applicable. The tables identify the scenario and season in which the event occurred, the transfer amount studied, the facility control area location, applicable ratings of the thermal transfer limitations and voltage transfer limitations, and the loading percentage and voltage per unit (pu).

Table 1 lists the SPP thermal transfer limitations caused or impacted by the 200 MW requested transfers for applicable scenarios. Solutions are identified for the limitations in this table.

Table 2 lists the SPP voltage transfer limitations caused or impacted by the 200 MW requested transfers for applicable scenarios. Solutions are identified for the violations in this table.

Table 3 lists the network upgrades required to mitigate the limitations caused or impacted by this request. Engineering and construction costs are provided for assigned upgrades in this table.



Conclusion

The results of the screening study show that limiting constraints exist within the SPP regional transmission system for the requested transfer of 200 MW. The next steps are to WITHDRAW the request on OASIS and, if desired, enter a new OASIS request into the aggregate study queue.

The results contained in this study are for informational purposes only. Service will not be granted based on the Screening Study results. To obtain a Service Agreement, Eligible Customers must apply for service and follow the application processes set forth in Parts II and III of the Tariff and enter the Aggregate Study process. The results of the Aggregate Study may vary from the results of this screening study.

As a final step in this process, it is requested that the customer WITHDRAW the LTSR screening study request on OASIS.



Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

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 Solutions: Fixed slope decoupled Newton-Raphson solution (FDNS)

Tap adjustment:
 Stepping

Area interchange control:
 VAR limits:
 Tie lines and loads
 Apply immediately

• Solution options:

X Phase shift adjustment

Flat startLock DC taps

_ Lock switched shunts

ACCC CASES for system intact:

Solutions:
 AC contingency checking (ACCC)

MW mismatch tolerance: 0.5
Contingency case rating: Rate A
Percent of rating: 100
Output code: Summary

Output code: Summar
Min flow change in overload report: 3 MW
Excld cases w/ no overloads form report: YES
Exclude interfaces from report: NO
Perform voltage limit check: YES
Elements in available capacity table: 60000
Cutoff threshold for available capacity table: 99999.0

Min. contng. case Vltg chng for report:
 0.02
 Carted autout:

• Sorted output: None

• Newton Solution:

Tap adjustment: Stepping

Area interchange control: Tie lines and loads
 VAR limits: Apply automatically

Solution options:

X Phase shift adjustment

_ Flat start _ Lock DC taps

_ Lock switched shunts

ACCC CASES for branch and transformer contingencies:

Solutions:
 AC contingency checking (ACCC)

MW mismatch tolerance: 0.5
Contingency case rating: Rate B
Percent of rating: 100
Output code: Summary



Min flow change in overload report: 3mw
Excld cases w/ no overloads form report: YES
Exclude interfaces from report: NO
Perform voltage limit check: YES
Elements in available capacity table: 60000
Cutoff threshold for available capacity table: 99999.0
Min. contng. case Vltg chng for report: 0.02
Sorted output: None

Newton Solution:

Tap adjustment: Stepping

Area interchange control: Tie lines and loads
 VAR limits: Apply automatically

Solution options:

X Phase shift adjustment

Flat startLock DC taps

_ Lock switched shunts

ACCC CASES for generator contingencies (largest machine at a bus):

Solutions:
 AC contingency checking (ACCC)

MW mismatch tolerance: 0.5
Contingency case rating: Rate B
Percent of rating: 100
Output code: Summary
Min flow change in overload report: 3mw

Min flow change in overload report: 3mw
Excld cases w/ no overloads form report: YES
Exclude interfaces from report: NO
Perform voltage limit check: YES
Elements in available capacity table: 60000
Cutoff threshold for available capacity table: 99999.0
Min. contng. case Vltg chng for report: 0.02

• Sorted output: None

Newton Solution:

Tap adjustment: SteppingArea interchange control: Disabled

Var limits: Apply automatically

Solution options:

X Phase shift adjustment

Flat startLock DC taps

_ Lock switched shunts

Scenario	Season	From Area	To Area	Monitored Branch Over 100% Rate B	Transfer Case % Loading	TDF (%)	Outaged Branch Causing Overload	Upgrade Name	Solution
5	18SP	AEPW	AEPW	ARSENAL HILL - RAINES 138KV CKT 1	123.6	23.78%	SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5	18SP	AEPW	AEPW	ARSENAL HILL - RAINES 138KV CKT 1	108.6	21.56%	LIEBERMAN - LONGWOOD 138KV CKT 1	Messick 500/230 kV Transformer Ckt 1	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5	14WP	AEPW	AEPW	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	116.2	3.88%	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	14WP			BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	116.1	3.88%	DELAWARE (DELAWARE) 345/138/13.8KV TRANSFORMER CKT 1	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5									
5	14WP			BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	111.9	3.78%	4REMNGTON 138.00 - FAIRFAX 138KV CKT 1 DELAWARE (DELAWARE) 345/138/13.8KV	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	18WP			BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	100.3	4.88%	TRANSFORMER CKT 1	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	18WP	AEPW	AEPW	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	100.3	4.88%	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	23SP	AEPW	AEPW	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	110.8	3.95%	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1 DELAWARE (DELAWARE) 345/138/13.8KV	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5 5	23SP 18WP		AEPW SWPA	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	110.7 110.4	3.95% 4.62%	TRANSFORMER CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5	18WP	AEPW	SWPA SWPA	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	110.4 110.4	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.4	4.62%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP	AEPW	SWPA SWPA	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	110.4 110.4	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP		SWPA AEPW	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	110.4 115.6	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	Rebuild 11.63 Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 5	18WP 18WP	_	AEPW AEPW	BETHEL - NASHOBA 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	115.6 115.6	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.62%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5 5	18WP	AEPW	AEPW AEPW	BETHEL - NASHOBA 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	115.6 115.6	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP	SWPA	AEPW AEPW	BETHEL - NASHOBA 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	115.6 102.5	4.62% 3.41%	PITTSBURG - VALLIANT 345KV CKT 1 BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	Rebuild 11.63 Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 5	18WP 18WP		AEPW AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5 102.5	3.41% 3.41%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1 BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP 18WP	SWPA	AEPW AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5 102.5	3.41% 3.41%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1 BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5 102.5	3.41% 3.41% 3.41%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1 BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	ENOWILT - SARDIS 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR Rebuild 11.63
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.5	3.41%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	ENOWILT - LONE OAK 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.5 100.5	3.41% 3.41%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1 CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.5 100.5	3.41% 3.41%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1 CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.5 100.5	3.41% 3.41%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1 CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	ENOWILT - SARDIS 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR Rebuild 11.63
5 5	14WP 14WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	103.3 102.5	13.02% 12.86%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5	18WP	OKGE	OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.8	12.31%	ARCADIA - SEMINOLE 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap
5	18WP 18WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	101.8 101.4	11.97% 11.19%	GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5	23WP 23WP		OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	119.4 115.5	9.09% 8.70%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5	23WP 23WP		OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	114.4 103.6	8.29% 7.81%	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5	23WP 23WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	102.6 102.5	7.78% 7.75%	OGE3TERM14 OGE3TERM12	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5	23WP	OKGE	OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	101.7	7.79%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap
5	23WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	101.3 101.2	7.85% 7.79%	LACYGNE - NEOSHO 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5	23WP 18WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - SARA 138KV CKT 1	100.7 101.0	7.74% 3.34%	QUANEX TAP - QUANEXS5 161.00 161KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - SARA 138KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap Rebuild 9.56
5 5	18WP 18WP		AEPW AEPW	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	117.3 117.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - LONE OAK 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	117.3 117.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	117.3 117.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	CLAYTON - NASHOBA 138KV CKT 1	117.3	4.62%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	AEPW	AEPW AEPW	CLAYTON - SARDIS 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	119.5 119.5	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - LONE OAK 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP 18WP	AEPW	AEPW AEPW	CLAYTON - SARDIS 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	119.5 119.5	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	CLAYTON - SARDIS 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	119.5 119.5	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18SP		AEPW AEPW	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	119.5 101.7	4.62% 4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	Rebuild 11.63 Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 5	18SP 18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	101.7 101.7	4.63% 4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5 5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.7	4.63%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5 5	18SP 18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	101.7	4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18SP 18WP	AEPW	AEPW AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	101.7 124.2	4.63% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	Rebuild 11.63 Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 5	18WP 18WP		AEPW AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	124.2 124.2	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	124.2 124.2	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP	AEPW	AEPW AEPW	ENOWILT - LONE OAK 138KV CKT 1 ENOWILT - LONE OAK 138KV CKT 1	124.2 124.2	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR Rebuild 11.63
5	18SP	AEPW	AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1	100.1	4.63% 4.63%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - LONE OAK 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak
5 -	18SP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	100.1 100.1	4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1 BETHEL - NASHOBA 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR Rebuild 44.57 miles of 3/0 Copperweld with 1272 ACSR
5 5	18SP 18SP	AEPW	AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	100.1 100.1	4.63% 4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1 CLAYTON - SARDIS 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5 5	18SP 18SP		AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	100.1 100.1	4.63% 4.63%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR Rebuild 11.63
5 5	18WP 18WP	AEPW	AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	123.3 123.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - LONE OAK 138KV CKT 1 BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	123.3 123.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1 CLAYTON - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.3	4.62%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5 5	18WP 18WP		AEPW AEPW	ENOWILT - SARDIS 138KV CKT 1 ENOWILT - SARDIS 138KV CKT 1	123.3 123.3	4.62% 4.62%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1 BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR Rebuild 11.63
5	23WP	GRDA	AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1	106.0	28.21%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment
5	23WP		AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1	100.7	23.58%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment
5	23SP 23SP	OKGE	WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 FRANKLIN SW - MIDWEST TAP 138KV CKT 1	107.6 104.7	5.50%	HAMMETT TAP - HAMMETT2 138KV CKT 1 HAMMETT2 - MEEKER 138KV CKT 1	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment Replace Terminal Equipment Replace Terminal Equipment
5 -	23SP	OKGE	WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	102.5	5.50% 7.64%	GRACEMONT - MINCO 345KV CKT 1	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment
5 5	14WP 14WP	OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.7 120.7	7.69% 7.69%	GEN336821 1-GRAND GULF UNIT GEN336821 1-GRAND GULF UNIT	Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP 14WP	-	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.7 120.7	7.69% 7.69%	GEN336821 1-GRAND GULF UNIT GEN336821 1-GRAND GULF UNIT	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	14WP	OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.7 120.6	7.69% 10.88%	GEN336821 1-GRAND GULF UNIT PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.88%	PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP 14WP		OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.6 120.6	10.88% 10.88%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate

5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.88%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.6	7.69%	GEN336153 1-WATERFORD UNIT#3	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.6	7.69%	GEN336153 1-WATERFORD UNIT#3	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.6	7.69%	GEN336153 1-WATERFORD UNIT#3	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.6	7.69%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
<u> </u>	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	117.6	7.69%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
<u> </u>	+								
	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.46%	SPP-AEPW-01	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.46%	SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.46%	SPP-AEPW-01	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.46%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.46%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.7	7.65%	SPP-AEPW-32	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.7	7.65%	SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.7	7.65%	SPP-AEPW-32	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP			FT SMITH - MUSKOGEE 345KV CKT 1	116.7	7.65%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	116.7	7.65%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP		OKGE						Build 500/345 kV Transformer at ANO
<u> </u>				FT SMITH - MUSKOGEE 345KV CKT 1	112.5	7.96%	OVERTON-TRF	Arkansas Nuclear One 500/345 Transformer	
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.5	7.96%	OVERTON-TRF	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	112.5	7.96%	OVERTON-TRF	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.5	7.96%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.5	7.96%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.4	7.77%	LACYGNE - STILWELL 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.4	7.77%	LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.4	7.77%	LACYGNE - STILWELL 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.4	7.77%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.4	7.77%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.8	7.77%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5									
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.8	7.73%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.8	7.73%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.8	7.73%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.8	7.73%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.1	7.73%	HOYT - STRANGER CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.1	7.73%	HOYT - STRANGER CREEK 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.1	7.73%	HOYT - STRANGER CREEK 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lir
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.1	7.73%	HOYT - STRANGER CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.1	7.73%	HOYT - STRANGER CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.72%	LACYGNE - WEST GARDNER 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.72%	LACYGNE - WEST GARDNER 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5							·		
<u>5</u>	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.72%	LACYGNE - WEST GARDNER 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.72%	LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.72%	LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKCE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
			ONOL	TT SWITT WOOKOOLL STORY CITT	103.5	7.0370	13111 & 1 OETON TAL - TOLOA GOOTTILAGT 130KV GKT T	T T GIVITTI WICCHOOLE 040KV CKT T	Opgrade 1 t. Offici 640 KV breakers and switches to 2000 amps
_			01/05					M 1	D 11 TO 05 11 04511/11 1 4 045/10411/11 11 1/10 11 140 11 (40411/11)
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5				FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3		15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin
5	14WP 14WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3	7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5 5 5	14WP 14WP 14WP	OKGE OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2	7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2	7.69% 7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5	14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2	7.69% 7.69% 7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5	14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV li Indeterminate
5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lindeterminate Build 73 miles of 345kV line
5 5 5	14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV li Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
	14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV I Indeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV I Indeterminate
5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lindeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lindeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5	14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line landeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line landeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5 5	14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 107.6	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lndeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lndeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 107.6 106.5	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5 5 5 5	14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 106.5 106.5 106.5	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.2 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 106.5 106.5 106.5	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.39%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line and 10 miles of 161 kV line and 10 miles of 161 kV line and 10 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line and 10 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line and 10 mi
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.5 106.5	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.39% 7.365% 7.65%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line laterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line laterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line laterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line laterminate Build 73 miles of 345kV line Build 73 miles of 345kV line
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.2 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.5 106.5 106.1 106.1 106.1 106.1	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.65% 7.65% 7.65%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line ladeterminate
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5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.2 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.5 106.1 106.1 106.1 106.1 106.1 106.1 106.1 106.1	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.365% 7.65% 7.65% 7.65% 7.65% 11.97%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.5 106.1 106.1 106.1 106.1 106.1 120.2 120.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.39% 7.65% 7.65% 7.65% 7.65% 11.97%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lin Indeterminate
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.2 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.5 106.1 106.1 106.1 106.1 106.1 120.2 120.2 120.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.65% 7.65% 7.65% 7.65% 11.97% 11.97%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lusted for 1500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line lusted for 161 kV line lus
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.2 108.2 108.2 108.2 108.2 108.2 107.6 107.6 107.6 107.6 107.6 106.5 106.5 106.5 106.1 106.1 106.1 106.1 106.1 120.2 120.2 120.2 120.2	7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.69% 7.79% 7.79% 7.79% 7.79% 7.39% 7.39% 7.39% 7.39% 7.39% 7.39% 7.65% 7.65% 7.65% 7.65% 7.65% 11.97% 11.97% 11.97%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV lire Indeterminate

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	18SP	OKGE	 	FT SMITH - MUSKOGEE 345KV CKT 1	118.3	9.13%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
<u>5</u>	18SP 18SP	OKGE OKGE	+	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	118.3 118.3	9.13% 9.13%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.7	9.22%	GEN336153 1-WATERFORD UNIT#3	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	117.7 117.7	9.22% 9.22%	GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	117.7	9.22%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	117.7 116.6	9.22% 9.19%	GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
<u>5</u> 5	18SP	OKGE	+	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.19%	SPP-AEPW-32 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.19%	SPP-AEPW-32	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
<u> </u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	116.6 116.6	9.19% 9.19%	SPP-AEPW-32 SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.1	11.47%	SPP-AEPW-01	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	116.1 116.1	11.47% 11.47%	SPP-AEPW-01 SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
<u>5</u> 5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	116.1	11.47%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.1	11.47%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
<u> </u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	112.7 112.7	9.49% 9.49%	OVERTON-TRF OVERTON-TRF	FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.7	9.49%	OVERTON-TRF	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
<u>5</u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	112.7 112.7	9.49% 9.49%	OVERTON-TRF OVERTON-TRF	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.27%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	111.1 111.1	9.27%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
<u>5</u> 5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.27% 9.27%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.27%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
<u> </u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.9 110.9	9.30% 9.30%	LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.9	9.30%	LACYGNE - STILWELL 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	110.9	9.30%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5 5	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.9 110.3	9.30% 9.27%	LACYGNE - STILWELL 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3	9.27%	HOYT - STRANGER CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
<u>5</u> 5	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3	9.27% 9.27%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3	9.27%	HOYT - STRANGER CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.6	9.22%	15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
J							15TH & FULTON TAP - 15TH & FULTON WEST 138KV		
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.6	9.22%	CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.6	9.22%	15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
-							15TH & FULTON TAP - 15TH & FULTON WEST 138KV		·
5	18SP	UKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.6	9.22%	CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	109.6	9.22%	CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
<u>5</u>	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.4 109.4	9.25% 9.25%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.4	9.25%	LACYGNE - WEST GARDNER 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.4 109.4	9.25% 9.25%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
<u>5</u> 5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.4	9.25%	MCCREDIE - THOMAS HILL 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.9	9.24%	MCCREDIE - THOMAS HILL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
<u> </u>	18SP 18SP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.9 108.9	9.24% 9.24%	MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.9	9.24%	MCCREDIE - THOMAS HILL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
<u>5</u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.3 108.3	9.22% 9.22%	BASE CASE BASE CASE	Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.3	9.22%	BASE CASE	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18SP 18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.3	9.22%	BASE CASE	VBI - Arkansas Nuclear One 345kV EES	Indeterminate Build 73 miles of 345kV line
<u>5</u> 5	18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.3 107.7	9.22% 9.32%	BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.7	9.32%	ROSE HILL - WOLF CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
<u> </u>	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	107.7 107.7	9.32% 9.32%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	18SP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.7	9.32%	ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
	100.						DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5			I OKGE I	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.89%	1		
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.89%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT		
5 5		OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.89%	1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5	18SP	OKGE	OKGE				DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1		Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5	18SP 18SP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3	8.89% 8.89%	1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5	18SP	OKGE OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.89%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	·
5 5 5 5	18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3	8.89% 8.89% 8.89%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5	18SP 18SP 18SP	OKGE OKGE OKGE	OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3	8.89% 8.89% 8.89%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 105.9 105.9 105.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5 5 5 5 5 5 5	18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 105.9 105.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO
5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.8	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 8.47% 10.90%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.8 120.8 120.8	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 10.90% 10.90%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI Arkansas Nuclear One 500/345 Transformer	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 10.90% 10.90% 10.90% 10.90%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 117.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-02 SPP-AEPW-032	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 117.5 117.5 117.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-02 SPP-AEPW-032 SPP-AEPW-32 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 117.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-02 SPP-AEPW-032	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.85%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Recomplete
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 10.90% 10.90% 10.90% 10.90% 10.90% 4.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-032 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Recomply to the content of the cont
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 AIO3 AIO3 AIO3 AIO3 AIO3 AIO3 AIO3 AIO3	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV DKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV DKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 10.90% 10.90% 10.90% 10.90% 10.90% 4.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-032 SPP-AEPW-32	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 113.2 111.4 111.4	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.56%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV DKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV DKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - V	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 113.4 111.4 111.4	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.56% 8.56%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 113.2 111.4 111.4	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.56%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 SPP-AEPW-32 LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV DKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV DKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - V	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 113.2 113.4 111.4 111.4 111.4 110.9 110.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.56% 8.56% 8.56% 8.56% 8.56% 8.56% 8.56% 8.56% 8.56%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-31 AI03 AI03 AI03 AI03 LACYGNE - STILWELL 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 345kV DKGE FT SMITH - MUSKOGEE 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI -	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Record
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 111.4 111.4 111.4 111.4 111.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-02 SPP-AEPW-32 LACYGNE - STILWELL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV bus tie	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 117.5 117.5 111.4 111.4 111.4 111.4 111.4 110.9 110.9 110.9 110.9 110.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.52% 8.52% 8.52%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 SPPA36153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-31 AI03 AI03 AI03 AI03 AI03 AI03 AI03 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 113.2 113.2 113.2 113.2 113.2 113.4 111.4 111.4 110.9 110.9 110.9 110.9 110.9 110.9 110.9 110.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 11.38% 8.47% 8.47% 8.47% 8.47% 10.90% 10.90% 10.90% 10.90% 10.90% 40.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.44% 8.44% 8.5% 8.56% 8.52% 8.52% 8.52% 8.52% 8.52%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-31 AI03 AI03 AI03 AI03 AI03 AI03 AI03 AI03	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OK	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 73 miles of 345kV line Build 300/345 kV Transformer at ANO Upgrade FL Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate Build 73 miles of 345kV line Build 70.95 mile 34
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.3 106.3 106.3 106.3 105.9 105.9 105.9 105.9 105.9 125.1 125.1 125.1 125.1 125.1 120.8 120.8 120.8 120.8 120.8 120.5 120.5 120.5 120.5 120.5 120.5 117.5 117.5 117.5 117.5 117.5 117.5 117.5 117.5 111.4 111.4 111.4 111.4 111.4 110.9 110.9 110.9 110.9 110.9	8.89% 8.89% 8.89% 9.18% 9.18% 9.18% 9.18% 11.38% 11.38% 11.38% 11.38% 11.38% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 10.90% 8.44% 8.44% 8.44% 8.44% 8.44% 8.85% 8.85% 8.85% 8.85% 8.85% 8.85% 8.56% 8.52% 8.52% 8.52%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 SPPA36153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 GEN336153 1-WATERFORD UNIT#3 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-01 SPP-AEPW-32 SPP-AEPW-31 AI03 AI03 AI03 AI03 AI03 AI03 AI03 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV OKGE FT SMITH - MUSKOGEE 345kV CKT 1 Arkansas Nuclear One 500/345 Transformer Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate

SPP-LTSR-2013-005 Table 1- SPP Facility Thermal Transfer Limitations

5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.47%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.47%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.47%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.47%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate

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5	18WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.47%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5 5	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.0 110.0	8.50% 8.50%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer FT SMITH - MUSKOGEE 345KV CKT 1	Build 500/345 kV Transformer at ANO Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	8.50%	LACYGNE - WEST GARDNER 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.0 110.0	8.50% 8.50%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	8.49%	MCCREDIE - THOMAS HILL 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3 109.3	8.49% 8.49%	MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	8.49%	MCCREDIE - THOMAS HILL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP 18WP		OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	109.3 108.9	8.49% 8.47%	MCCREDIE - THOMAS HILL 345KV CKT 1 BASE CASE	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.9 108.9	8.47% 8.47%	BASE CASE BASE CASE	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.9	8.47%	BASE CASE	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.9 108.3	8.47% 8.57%	BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.3	8.57%	ROSE HILL - WOLF CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
<u>5</u>	18WP 18WP		OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	108.3 108.3	8.57% 8.57%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	18WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	108.3	8.57%	ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.17%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
_							DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT		
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.17%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.17%	1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.17%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKCE	FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.17%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.5	8.44%	LACYGNE - NEOSHO 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP 18WP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.5 106.5	8.44% 8.44%	LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.5	8.44%	LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
<u>5</u>	18WP 23WP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	106.5 127.0	8.44% 3.20%	LACYGNE - NEOSHO 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5	23WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	127.0	3.20%	PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5	23WP 23WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	127.0 127.0	3.20% 3.20%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	23WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	127.0	3.20%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5 5	23WP 23WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	124.2 124.2	3.93% 3.93%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps Build 500/345 kV Transformer at ANO
5	23WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	124.2	3.93%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	23WP 23WP	OKGE OKGE		FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	124.2 124.2	3.93% 3.93%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
E	14WP	OKCE	OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT	103.8	7.61%	FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5	1400 P			FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT	103.6	7.01%	FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	install 2nd 500/345 kV bus tie in Ft. Smith Sub
5	18SP	OKGE	OKGE	1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT	102.9	9.06%	CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER	CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5	18WP	OKGE	OKGE	1	104.2	8.33%	CKT 5	CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5	14WP	OKGE	OKGE	FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT	117.8	5.35%	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
<u> </u>				FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT	117.0		FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	
5	18SP	OKGE	OKGE	5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT	122.9	6.68%	CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5	18WP		OKGE	5	120.6	6.13%	CKT 1	CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5	14WP 14WP	SWPA SWPA	SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	109.9 109.9	3.00%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	14WP 14WP	SWPA SWPA		GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	109.9 109.9	3.00%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO Indeterminate
5 5	14WP	SWPA	SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	109.9	3.00% 3.00%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5	14WP 14WP		SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	109.9 109.9	3.00%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	18SP	SWPA	SWPA	GORE - MUSKOGEE TAP 161KV CKT 1	124.6	3.33%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
<u>5</u> 5	18SP 18SP	SWPA SWPA	SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	124.6 124.6	3.33% 3.33%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO
5	18SP	SWPA	SWPA	GORE - MUSKOGEE TAP 161KV CKT 1	124.6	3.33%	FT SMITH - MUSKOGEE 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP 18SP	SWPA	SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	124.6 124.6	3.33% 3.33%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Indeterminate
5	18SP 18WP	SWPA SWPA	SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	124.6 106.6	3.33% 3.17%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE ADABELL - VBI 161KV CKT 1	Build 73 miles of 345kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	18WP	SWPA		GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	106.6	3.17%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5	18WP 18WP	SWPA	SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	106.6 106.6	3.17% 3.17%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN	Build 500/345 kV Transformer at ANO Indeterminate
5	18WP	SWPA	SWPA	GORE - MUSKOGEE TAP 161KV CKT 1	106.6	3.17%	FT SMITH - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5	18WP 18WP	SWPA SWPA	SWPA SWPA	GORE - MUSKOGEE TAP 161KV CKT 1 GORE - MUSKOGEE TAP 161KV CKT 1	106.6 106.6	3.17% 3.17%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
- U							G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT		
5 5	18WP 18WP	OKGE OKGE	AEPW AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	103.1 100.2	7.65% 9.72%	1 PITTSBURG - SEMINOLE 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment Replace Terminal Equipment
							G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT		·
5 5	23WP 23WP		AEPW AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	110.1 105.5	4.00% 4.57%	1 OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment Replace Terminal Equipment
5	23WP	OKGE	AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	105.5	4.57%	SPP-SWPS-01	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	23WP 18SP	OKGE GRDA	AEPW GRDA	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	102.6 103.8	3.82% 4.85%	BASE CASE 7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment Replace Terminal Equipment
5	18SP 18SP	GRDA GRDA	GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	103.8 100.4	4.85% 4.72%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Add new pole to increase line clearance Replace Terminal Equipment
5	18SP	GRDA	GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	100.4	4.72%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5 5	18WP 18WP	GRDA GRDA	GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	107.7 107.7	4.61% 4.61%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Replace Terminal Equipment Add new pole to increase line clearance
5	18WP	GRDA	GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	104.3	4.49%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5 5	18WP 23WP	GRDA GRDA		GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	104.3 126.6	4.49% 30.40%	7JASPER 345.00 - MORGAN 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Add new pole to increase line clearance Replace Terminal Equipment
-		GRDA	GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	126.6	30.40%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5	23WP	GRDA	GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	117.1 117.1	24.89% 24.89%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2 GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Replace Terminal Equipment Add new pole to increase line clearance
5 5 5	23WP 23WP 23WP	GRDA				24.88%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5 5 5	23WP 23WP 23WP	GRDA	GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	113.4		7 IACDED SAF ON MODORNI GAEIST COST :	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP	GRDA GRDA GRDA	GRDA GRDA OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8	24.88% 3.35%	7JASPER 345.00 - MORGAN 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP	GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8	24.88% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP	GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8	24.88% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate
5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8	24.88% 3.35% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18SP 18WP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9	24.88% 3.35% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub
5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18SP 18WP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9	24.88% 3.35% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO
5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18SP 18WP 18WP 18WP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9	24.88% 3.35% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 117.9	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14% 3.14% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18SP	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 117.9 120.0 120.0 120.0	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18W	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 117.9 120.0 120.0 120.0 120.0	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18W	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18W	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 117.9 120.0 120.0 120.0 120.0 120.0	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.14% 3.35% 3.35% 3.35% 3.35% 3.35%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 18WP 18W	GRDA GRDA GRDA GRDA GRDA GRDA GRDA GRDA	GRDA GRDA OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 HIGHWAY 59 - TAHLEQUAH 161KV CKT 1 HIGHWAY 59 - VBI 161KV CKT 1	113.4 113.8 113.8 113.8 113.8 113.8 117.9 117.9 117.9 117.9 120.0	24.88% 3.35% 3.35% 3.35% 3.35% 3.14% 3.14% 3.14% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.35% 3.34%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1 Arkansas Nuclear One 500/345 Transformer VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub Build 500/345 kV Transformer at ANO Indeterminate Build 73 miles of 345kV line Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub and 10 miles of 161 kV line Replace existing 800 amp wave trap with 1200 amp in VBI sub

	<u> </u>			 	Γ	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV		
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.2	3.48%	CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.2	3.48%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5						AUBURN ROAD - JEFFREY ENERGY CENTER 230KV		
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.2	3.48%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.2	3.48%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
<u>5</u> 5	14WP 14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.2 110.2	3.48% 4.08%	CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
								Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
<u>5</u>	14WP 14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.2 110.2	4.08% 4.08%	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.2 110.2	4.08%	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.0	3.57%	LACYGNE - STILWELL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
								Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5	14WP 14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.0 101.0	3.57% 3.57%	LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
<u>5</u> 5	14WP 14WP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.0 101.0	3.57% 3.57%	LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.4	3.89%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
						AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	,	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.4	3.89%	CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.4	3.89%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.4	3.89%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.4	3.89%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.0	4.53%	SWISSVALE - WEST GARDNER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.0	4.53%	SWISSVALE - WEST GARDNER 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.0	4.53%	SWISSVALE - WEST GARDNER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.0 118.0	4.53% 4.53%	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.3	3.14%	JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
						JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.3	3.14%	CKT 1 JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.3	3.14%	CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.3	3.14%	JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.3	3.14%	JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.98%	LACYGNE - STILWELL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.98%	LACYGNE - STILWELL 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.98%	LACYGNE - STILWELL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3 109.3	3.98% 3.98%	LACYGNE - STILWELL 345KV CKT 1 LACYGNE - STILWELL 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.79%	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
						AUBURN ROAD (AUBRN77X) 230/115/13.8KV		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.79%	TRANSFORMER CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.79%	TRANSFORMER CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.79%	TRANSFORMER CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.3	3.79%	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.2	3.62%	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
						EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.2	3.62%	CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.2	3.62%	CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.2	3.62%	CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.2	3.62%	CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.6	3.79%	SPP-AEPW-32	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.6	3.79%	SPP-AEPW-32	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.6 106.6	3.79% 3.79%	SPP-AEPW-32 SPP-AEPW-32	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.6 106.4	3.79% 3.87%	SPP-AEPW-32 SPP-WERE-85	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
				130,1	2.2.70		, , , , , , , , , , , , , , , , , , , ,	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.4	3.87%	SPP-WERE-85	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.4 106.4	3.87%	SPP-WERE-85 SPP-WERE-85	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5 5	18SP 18SP	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.4 106.1	3.87% 3.82%	SPP-WERE-85 LACYGNE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
								Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
<u>5</u>	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.1 106.1	3.82% 3.82%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.1 106.1	3.82% 3.82%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.4	3.82%	SPP-MIPU-05	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
_		MESE	HOLE IEEEDEVENES CONTRACTOR				HOVE TEEEDEVENED ON OF THE TOTAL	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.4 105.4	3.88% 3.88%	SPP-MIPU-05 SPP-MIPU-05	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.4 105.4	3.88% 3.88%	SPP-MIPU-05 SPP-MIPU-05	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5	18SP		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.76%	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
5	18SP 18SP	WERE WERE						Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5		WERE WERE				LAWRENCE HILL (LAWHI 29X) 230/115/13 8K\/		The second of th
5 5		WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.76%	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5 5 5	18SP		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.76%	TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	
5 5 5	18SP	WERE WERE				TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1		panels. Substation
5 5 5 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.76%	TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV	latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV

									Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5		/ERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.77%	AUBURN ROAD - SHERWOD 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
<u>5</u>			WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1 105.1	3.77% 3.77%	AUBURN ROAD - SHERWOD 115KV CKT 1 AUBURN ROAD - SHERWOD 115KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.1	3.77%	AUBURN ROAD - SHERWOD 115KV CKT 1 AUBURN ROAD - SHERWOD 115KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0	3.77%	AUBURN ROAD - INDIAN HILLS 115KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
									JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5		/ERE /ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0 105.0	3.77% 3.77%	AUBURN ROAD - INDIAN HILLS 115KV CKT 1 AUBURN ROAD - INDIAN HILLS 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0	3.77%	AUBURN ROAD - INDIAN HILLS 115KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0	3.77%	AUBURN ROAD - INDIAN HILLS 115KV CKT 1 EAST MANHATTAN (EMANHT3X) 230/115/18.0KV	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	3.73%	TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
							EAST MANHATTAN (EMANHT3X) 230/115/18.0KV		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	3.73%	TRANSFORMER CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	3.73%	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
-	18SP W	/ERE	WERE	LIOVE IEEEDEVENEDOV CENTED 245KV OVE 4	104.9	3.73%	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 1	Legygne Merione 245KV AMDN	Indeterminate
5	165P VV	VERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	3.73%	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV	Lacygne - Mariosa 345KV AMRN	indeterminate
5		/ERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9 104.8	3.73% 3.76%	TRANSFORMER CKT 1 LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
	1001 W	VLIXL	VVLIXL	HOTT - SELFTRET ENERGY GENTER S45RV GRT 1	104.0	3.7078	EAWNEINGETHEE TRIBLAND SONGTION 250KV GKT T	latan semey Energy Center 3-3 kv rotor	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5		/ERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8 104.8	3.76% 3.76%	LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1 LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
_						0.700/	MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV	Internal Laffrage Francis Contact OAF INVIACOR	Delilal 4.4. O arilla a of many 0.45 lay
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a
	4000	,555		LIONE RESERVENCE ON OFFICE OFFICE OFFI	1010	0.700/	MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV	LIOVE JEEEDEVENEDOV OENTED OASIA OKT A	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	TRANSFORMER CKT 1 MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5			WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	3.76%	MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
J							SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER		
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.7	3.80%	CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a
							SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER		JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.7	3.80%	CKT 1 SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.7	3.80%	CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.7	3.80%	SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
_							SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER	,,	
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.7	3.80%	CKT 1 COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.6	3.73%	CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
							COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.6	3.73%	CKT 1 COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.6	3.73%	COWSKIN (COWSKINTA) 136/69/13.2KV TRAINSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.6	3.73%	COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
3							COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER		
5		/ERE /ERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.6 104.3	3.73% 3.75%	CKT 1 MIDLAND JUNCTION - PENTAGON 115KV CKT 1	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
								<i>y</i> - 2,	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	18SP W	/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	3.75%	MIDLAND JUNCTION - PENTAGON 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5			WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3	3.75% 3.75%	MIDLAND JUNCTION - PENTAGON 115KV CKT 1 MIDLAND JUNCTION - PENTAGON 115KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5			WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	3.75%	MIDLAND JUNCTION - PENTAGON 115KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	1005 W	VLIVL				3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV	later leffrey Francis Contex 245 IV/IVACD	Build 14.2 miles of new 345 kV
			WERE	HOYT - JEFEREY ENERGY CENTER 345KV CKT 1	104.3		I CKT 1 I	l latan - Jettrev Energy Genter 345 kV KAGP	
		/ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	0.1270	CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a
5	18SP W	/ERE					EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV	, J	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP W	/ERE /ERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP W	/ERE	WERE				EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	, J	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5	18SP W 18SP W	/ERE /ERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5 5	18SP W 18SP W 18SP W	/ERE /ERE /ERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3	3.72% 3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV
5 5 5	18SP W 18SP W 18SP W 18SP W	/ERE /ERE /ERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3	3.72% 3.72% 3.72% 3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5	18SP W 18SP W 18SP W 18SP W	/ERE /ERE /ERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3	3.72% 3.72% 3.72%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5 5 5 5	18SP W 18SP W 18SP W 18SP W 18SP W	/ERE /ERE /ERE /ERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.3	3.72% 3.72% 3.72% 3.72% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5 5 5	18SP W 18SP W 18SP W 18SP W 18SP W 18SP W	/ERE /ERE /ERE /ERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2	3.72% 3.72% 3.72% 3.72% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5 5 5 5	18SP W 18SP W 18SP W 18SP W 18SP W 18SP W	/ERE /ERE /ERE /ERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.3	3.72% 3.72% 3.72% 3.72% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5 5 5 5	18SP W	/ERE /ERE /ERE /ERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2	3.72% 3.72% 3.72% 3.72% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5 5 5 5 5 5	18SP W	VERE VERE VERE VERE VERE VERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2 104.2	3.72% 3.72% 3.72% 3.72% 3.75% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV
5 5 5 5 5 5 5	18SP W	/ERE /ERE /ERE /ERE /ERE /ERE	WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2 104.2 104.2 104.2	3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5 5 5 5 5	18SP W	VERE VERE VERE VERE VERE VERE	WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2 104.2 104.2	3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
5 5 5 5 5 5 5	18SP W	VERE VERE VERE VERE VERE VERE VERE VERE	WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.2 104.2 104.2 104.2 104.2	3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75% 3.75% 3.75% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5 5 5 5 5 5	18SP W	VERE VERE VERE VERE VERE VERE VERE VERE	WERE WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.3 104.2 104.2 104.2 104.2 104.2 104.1	3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75% 3.75% 3.75% 3.75% 3.75%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
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5 5 <t< td=""><td>18SP W 18SP W</td><td>VERE VERE VERE VERE VERE VERE VERE VERE</td><td>WERE WERE WERE WERE WERE WERE WERE WERE</td><td>HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1</td><td>104.3 104.3 104.3 104.3 104.3 104.2 104.2 104.2 104.2 104.1 104.1 104.1 104.1 103.8 103.8 103.8 103.8 103.8 103.8 103.8 103.8</td><td>3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75% 3.75% 3.75% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73%</td><td>EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1 BASE CASE EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1 EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1 EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1</td><td>HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP</td><td>Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Rebuild approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation and installation of new fiber optic relay panels. Substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation will include</td></t<>	18SP W 18SP W	VERE VERE VERE VERE VERE VERE VERE VERE	WERE WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.3 104.3 104.3 104.3 104.2 104.2 104.2 104.2 104.1 104.1 104.1 104.1 103.8 103.8 103.8 103.8 103.8 103.8 103.8 103.8	3.72% 3.72% 3.72% 3.72% 3.75% 3.75% 3.75% 3.75% 3.75% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73% 3.73%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1 BASE CASE EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1 EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1 EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Rebuild approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation and installation of new fiber optic relay panels. Substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation will include

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5	18SP	WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.71%	MCCREDIE - THOMAS HILL 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
<u>5</u>	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4 103.4	3.71% 3.71%	MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5	18SP	WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.71%	MCCREDIE - THOMAS HILL 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.75%	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.75%	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.75%	CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
_	4000	MEDE	WEDE	LIONE REFERENCE DE LA CONTRE DE	100.1	0.750/	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV	Lancas Mariana 04510/ AMDN	La da da constitución de la cons
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.75%	CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.4	3.75%	CKT 1 STRANGER CREEK (STRANGER 1X) 345/115/14.4KV	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.3	3.75%	TRANSFORMER CKT 1 STRANGER CREEK (STRANGER 1X) 345/115/14.4KV	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP 18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.3	3.75%	TRANSFORMER CKT 1 STRANGER CREEK (STRANGER 1X) 345/115/14.4KV TRANSFORMER CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
							STRANGER CREEK (STRANGER 1X) 345/115/14.4KV	, ,	Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.3	3.75%	TRANSFORMER CKT 1 STRANGER CREEK (STRANGER 1X) 345/115/14.4KV	Lacygne - Mariosa 345KV AMRN	
<u>5</u> 5	18SP 18SP		WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.3 102.7	3.75% 3.93%	TRANSFORMER CKT 1 BENTON - WOLF CREEK 345KV CKT 1	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
5	18SP	WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.7	3.93%	BENTON - WOLF CREEK 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	18SP	WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.7	3.93%	BENTON - WOLF CREEK 345KV CKT 1 BENTON - WOLF CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.7	3.93%	BENTON - WOLF CREEK 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.7	3.93%	BENTON - WOLF CREEK 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.5	4.09%	ROSE HILL - WOLF CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP 18SP	WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.5	4.09%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation Build 56.8 miles of new 345 kV
5	18SP 18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.5 102.5	4.09% 4.09%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.5	4.09%	ROSE HILL - WOLF CREEK 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.4	3.68%	LACYGNE - NEOSHO 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.4	3.68%	LACYGNE - NEOSHO 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.4	3.68%	LACYGNE - NEOSHO 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.4 101.4	3.68% 3.68%	LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	121.8	3.28%	SWISSVALE - WEST GARDNER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	121.8	3.28%	SWISSVALE - WEST GARDNER 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	121.8	3.28%	SWISSVALE - WEST GARDNER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	121.8	3.28%	SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	121.8	3.28%	SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5	3.21%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
-			1						IFO (Otation A) ask atation will include many and of OAFIA) agricum and installation of a configuration and
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5	3.21%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5	23SP 23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5		EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE	
5 5 5			WERE			3.21%			panels. Substation
5 5 5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5	3.21% 3.21%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	panels. Substation Build 56.8 miles of new 345 kV
5 5 5 5	23SP 23SP	WERE WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5	3.21% 3.21%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
5 5 5 5 5	23SP 23SP 23SP	WERE WERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5	3.21% 3.21% 3.21%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5 5	23SP 23SP 23SP 23WP	WERE WERE WERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5 100.4	3.21% 3.21% 3.21% 3.58%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5 5 5 5	23SP 23SP 23SP 23WP	WERE WERE WERE WERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5 100.4	3.21% 3.21% 3.21% 3.58%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5 5 5 5 5	23SP 23SP 23SP 23WP 23WP 23WP	WERE WERE WERE WERE WERE	WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4	3.21% 3.21% 3.21% 3.58% 3.58% 3.58%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate
5 5 5 5 5 5 5	23SP 23SP 23SP 23WP 23WP	WERE WERE WERE WERE WERE WERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5 100.4 100.4	3.21% 3.21% 3.21% 3.58% 3.58%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV
5 5 5 5 5 5 5 5	23SP 23SP 23SP 23WP 23WP 23WP 23WP	WERE WERE WERE WERE WERE WERE	WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5 5	23SP 23SP 23SP 23WP 23WP 23WP 23WP 23WP	WERE WERE WERE WERE WERE WERE WERE OKGE	WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 100.4 100.4	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 5.47%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles Rebuild 5.5 miles with 1533.3 ACSR/TW
5 5 5 5 5 5	23SP 23SP 23SP 23WP 23WP 23WP 23WP 23SP 18SP 18SP	WERE WERE WERE WERE WERE WERE OKGE AEPW AEPW	WERE WERE WERE WERE WERE WERE AEPW AEPW	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 100.4 108.5 106.6 105.5 111.0	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 5.47% 30.29%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1 EASTON REC - PIRKEY 138KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate Messick 500/230 kV Transformer Ckt 1	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles Rebuild 5.5 miles with 1533.3 ACSR/TW Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675
5 5 5 5 5 5	23SP 23SP 23SP 23SP 23WP 23WP 23WP 23WP 23SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE AEPW AEPW AEPW	WERE WERE WERE WERE WERE WERE WERE AEPW AEPW AEPW	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 100.4 108.5 106.6 105.5	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 5.47% 30.29%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1 EASTON REC - PIRKEY 138KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate	panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles Rebuild 5.5 miles with 1533.3 ACSR/TW Rebuild 5.5 miles with 1533.3 ACSR/TW Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5 5 5 5 5 5 5 5	23SP 23SP 23SP 23WP 23WP 23WP 23WP 23WP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE OKGE AEPW AEPW AEPW AEPW	WERE WERE WERE WERE WERE WERE WERE AEPW AEPW AEPW AEPW	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 108.5 106.6 105.5 111.0 110.5 105.3	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 5.47% 30.29% 14.92% 14.92%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1 EASTON REC - PIRKEY 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 NORAM - RAINES 138KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles Rebuild 5.5 miles with 1533.3 ACSR/TW Rebuild 5.5 miles with 1533.3 ACSR/TW Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5 5 5 5 5 5 5 5 5	23SP 23SP 23SP 23SP 23WP 23WP 23WP 23WP 23SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE OKGE AEPW AEPW AEPW AEPW AEPW	WERE WERE WERE WERE WERE WERE OKGE AEPW AEPW AEPW AEPW AEPW	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 108.5 106.6 105.5 111.0 110.5 105.3	3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 5.47% 30.29% 14.92% 14.92% 14.92% 23.78%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1 EASTON REC - PIRKEY 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 ARSENAL HILL - RAINES 138KV CKT 1 SPP-AEPW-05	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate Messick 500/230 kV Transformer Ckt 1	Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 5.5 miles with 1533.3 ACSR/TW Rebuild 5.5 miles with 1533.3 ACSR/TW Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23SP 23SP 23SP 23SP 23WP 23WP 23WP 23WP 23WP 23SP 18SP 18WP 23WP	WERE WERE WERE WERE WERE WERE WERE WERE	WERE WERE WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1 LIEBERMAN - LONGWOOD 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 LYDIA - VALLIANT 345KV CKT 1	120.5 120.5 120.5 100.4 100.4 100.4 100.4 100.4 100.5 105.5 111.0 110.5 105.3 121.2 108.1 101.3 103.6 117.6 11	3.21% 3.21% 3.21% 3.21% 3.58% 3.58% 3.58% 3.58% 3.58% 5.47% 30.29% 30.29% 14.92% 14.92% 14.92% 23.78% 21.56% 7.10% 33.56% 40.98% 40.98% 40.98% 40.98% 40.98% 40.98% 14.18% 14.18% 14.18% 14.18% 14.18% 14.18% 14.18% 14.18% 14.18% 5.14% 5.14%	EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1 CLEVELAND - SOONER 345KV CKT 1 EASTON REC - PIRKEY 138KV CKT 1 LONGWOOD - NORAM 138KV CKT 1 ARSENAL HILL - RAINES 138KV CKT 1 ARSENAL HILL - RAINES 138KV CKT 1 SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1 BLACKBERRY - NEOSHO 345K	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1 KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV CKGE ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV AGCP Arkansas Nuclear One 345kV AGCP Arkansas Nuclear One 345kV AGCP Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV AGCP Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV E	Build 36.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles Rebuild 5.5 miles with 1533.3 ACSRTW Rebuild 5.5 miles with 1533.3 ACSRTW Rebuild 5.5 miles with 1533.3 ACSRTW Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC. Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power

5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.9	5.14%	BLACKBERRY - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.9	5.14%	BLACKBERRY - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.8	4.27%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	2300	VVERE	EIVIDE	NEOSHO - SOB 432 - KIVEKTON TOTKV CKT T	105.6	4.2170	TJASPER 343.00 - BLACKBERR I 343RV CRI I	VBI - Alkalisas Nucleal Offe 545k V OKGE	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 67
_	4000	A E D) A /	A E D\A/	NODAM DAINEO 400K/ OKT 4	400.0	00.700/	ODD AFDW OF	Manaiala 500/020 la)/ Tana afaura au Clat 4	
5	18SP	AEPW	AEPW	NORAM - RAINES 138KV CKT 1	120.0	23.78%	SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1	MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
_								M	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 67
5	18SP	AEPW	AEPW	NORAM - RAINES 138KV CKT 1	106.9	21.56%	LIEBERMAN - LONGWOOD 138KV CKT 1	Messick 500/230 kV Transformer Ckt 1	MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
				NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV				NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV	
5	18SP	AEPW	AEPW	CKT 1	110.5	3.86%	PATTERSON - SOUTH FOREMAN REC 138KV CKT 1	CKT 1	Rebuild 14.19 miles to 1533.6 ACSR/TW 54/19
5	18SP	OKGE	OKGE	PARK LANE - SEMINOLE 138KV CKT 1	102.1	3.50%	PITTSBURG - SEMINOLE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18SP	OKGE	OKGE	PARK LANE - SEMINOLE 138KV CKT 1	102.1	3.50%	PITTSBURG - SEMINOLE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	18SP	OKGE	OKGE	PARK LANE - SEMINOLE 138KV CKT 1	102.1	3.50%	PITTSBURG - SEMINOLE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	PARK LANE - SEMINOLE 138KV CKT 1	102.1	3.50%	PITTSBURG - SEMINOLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	PARK LANE - SEMINOLE 138KV CKT 1	102.1	3.50%	PITTSBURG - SEMINOLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	23SP	AEPW	AEPW	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	103.8	3.51%	4REMNGTON 138.00 - FAIRFAX 138KV CKT 1	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	Rebuild 5.98
- Ū		7.2	7 121 11			0.0 . 70			Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from latan to Nashua, Add Nash
5	14WP	GMO	GMO	PECULIAR - PLEASANT HILL 345KV CKT 1	114.9	5.44%	EASTOWN7 345.00 - IATAN 345KV CKT 1	IATAN - NASHUA 345KV CKT 1	345/161 kV
J	1777	JIVIO	CIVIO	1 2002# IIV 1 22/IO/III 1 III2 070IIV OIVI 1	114.3	J1-7/0	ENGIGINA OTO.OU - INTINIA OTOINA OINT I	", " I I I I I I I I I I I I I I I I I I	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from latan to Nashua, Add Nash
5	14WP	GMO	GMO	PECULIAR - PLEASANT HILL 345KV CKT 1	102.0	4.56%	HAWTHORN - ST JOE 345KV CKT 1	IATAN - NASHUA 345KV CKT 1	345/161 kV
Ū					102.0				
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	100.6	21.47%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	100.6	21.47%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	100.6	21.47%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	100.6	21.47%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	100.6	21.47%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	AEPW	AEPW	PITTSBURG - VALLIANT 345KV CKT 1	111.4	34.96%	HUGO - SUNNYSIDE 345KV CKT 1	PITTSBURG - VALLIANT 345KV CKT 1	Replace wavetrap and associated equipment at Pittsburg
5	18WP	AEPW	AEPW	PITTSBURG - VALLIANT 345KV CKT 1	111.2	33.26%	HUGO - VALLIANT 345KV CKT 1	PITTSBURG - VALLIANT 345KV CKT 1	Replace wavetrap and associated equipment at Pittsburg
5	23SP	AEPW	AEPW	SHIDLER - WEST PAWHUSKA 138KV CKT 1	105.0	3.51%	4REMNGTON 138.00 - FAIRFAX 138KV CKT 1	SHIDLER - WEST PAWHUSKA 138KV CKT 1	Rebuild 16.11
				SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T				SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T	
5	18SP	AEPW	AEPW	138KV CKT 1	100.9	13.67%	NEW PROSPEST - ROCK HILL 138KV CKT 1	138KV CKT 1	Rebuild 2.9 miles
5	23SP	WFEC	AEPW	SOUTHWESTERN STATION - WASHITA 138KV CKT 1	132.1	20.83%	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line
5	23SP	WFEC	AEPW	SOUTHWESTERN STATION - WASHITA 138KV CKT 1	114.9	20.33%	BASE CASE	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line
5	23SP	WFEC	AEPW	SOUTHWESTERN STATION - WASHITA 138KV CKT 1	112.6	21.23%	ANADARKO - GRACMNT4 138.00 138KV CKT 1	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line
5	14WP	WERE		SWISSVALE - WEST GARDNER 345KV CKT 1	107.5	4.33%	HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
<u> </u>	14001	VVLIXL	KOLL	OWIGOVALL - WEST GARDINER STORY CITY	107.5	4.5576	HOTT - STRANGER GREEK S43RV CRT 1	latari - derirey Eriergy Certier 343 kV 10401	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a
									Trebuild the SEO - ribyt 3-3kV line as a single circuit with new conductor, poles, and sineid wire. Substation work a
5	4.4V/D	WEDE	KCDI	CMICCALL MEST CARRIED 245KM CKT 4	407.5	4.220/	HOVE STRANGER OREEK 245KV CKT 4	HOVE IEEEDEVENEDOV CENTED 245KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	14WP	WERE		SWISSVALE - WEST GARDNER 345KV CKT 1	107.5	4.33%	HOYT - STRANGER CREEK 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5	14WP	WERE	KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1	107.5	4.33%	HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV
5 5	14WP	WERE WERE	KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5	4.33% 4.33%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate
5 5 5	14WP 14WP	WERE WERE WERE	KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5	4.33% 4.33% 4.33%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5	14WP	WERE WERE	KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5	4.33% 4.33%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
5 5 5	14WP 14WP	WERE WERE WERE	KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5	4.33% 4.33% 4.33%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a
5 5 5	14WP 14WP 14WP	WERE WERE WERE WERE	KCPL KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5 105.5	4.33% 4.33% 4.33% 4.03%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5	14WP 14WP 14WP	WERE WERE WERE WERE	KCPL KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5	4.33% 4.33% 4.33%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
5 5 5 5	14WP 14WP 14WP	WERE WERE WERE WERE	KCPL KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5 105.5	4.33% 4.33% 4.33% 4.03%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5 5 5 5	14WP 14WP 14WP	WERE WERE WERE WERE	KCPL KCPL KCPL KCPL	SWISSVALE - WEST GARDNER 345KV CKT 1	107.5 107.5 107.5 105.5	4.33% 4.33% 4.33% 4.03%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation Build 56.8 miles of new 345 kV Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay panels. Substation
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Table 2- SPP Facility Voltage Transfer Limitations

Scenario	Season	Area	Monitored Bus with Violation	Transfer Case Voltage (PU)	Outaged Branch Causing Overload	Upgrade Name	Solution
			No Voltage Limitation				

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Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63 miles	10/1/2015	6/1/2018	\$ 11,630,000
OKGE	CIMARRON - SARA 138KV CKT 1	Rebuild 9.56 miles	10/1/2015	6/1/2018	\$ 9,560,000
AEPW	SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1	Rebuild 2.9 miles	10/1/2015	6/1/2018	\$ 2,900,000

Construction Pending Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	Rebuild 3.8 miles with 1533.3 ACSR/TW	10/1/2014	6/1/2017	\$ 4,750,000
AEPW	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR	10/1/2015	6/1/2018	\$ 9,190,000
AEPW	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR	10/1/2015	6/1/2018	\$ 22,430,000
AEPW	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR	10/1/2015	6/1/2018	\$ 11,570,000
AEPW	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR	10/1/2015	6/1/2018	\$ 1,460,000
AEPW	ENOWILT - LONE OAK 138KV CKT 1	Rebuild 0.32 miles of 3/0 CWC with 1272 ACSR. Replace jumpers @ Lone Oak	10/1/2015	6/1/2017	\$ 625,000
AEPW	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR	10/1/2015	6/1/2018	\$ 13,800,000
AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment	6/1/2019	6/1/2019	\$ 1,220,000
AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment	10/1/2019	10/1/2019	\$ 305,000
AEPW	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate	Rebuild 5.5 miles with 1533.3 ACSR/TW	6/1/2015	6/1/2018	
AEPW	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	Rebuild 14.19 miles to 1533.6 ACSR/TW 54/19	6/1/2015	6/1/2017	\$ 17,028,000
AEPW	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	Rebuild 5.98	6/1/2015	6/1/2018	\$ 4,544,800
AEPW	PITTSBURG - VALLIANT 345KV CKT 1	Replace wavetrap and associated equipment at Pittsburg	10/1/2015	6/1/2017	\$ 303,750
AEPW	SHIDLER - WEST PAWHUSKA 138KV CKT 1	Rebuild 16.11	6/1/2015	6/1/2018	\$ 12,243,600
AMRN	Lacygne - Mariosa 345KV AMRN	Indeterminate	10/1/2014	6/1/2019	
EES	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO	10/1/2014	6/1/2019	\$ 12,000,000
EES	VBI - Arkansas Nuclear One 345kV EES	Indeterminate	10/1/2014	6/1/2019	
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance	6/1/2015	6/1/2016	\$ 350,000
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment	6/1/2015	6/1/2016	\$ 3,300,000
KACP	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV	10/1/2014	6/1/2019	\$ 14,089,880
KACP	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa	10/1/2014	6/1/2019	\$ 275,120,000
OKGE	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub	10/1/2014	6/1/2016	\$ 150,000
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2015	6/1/2016	\$ 150,000
OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub	10/1/2014	6/1/2018	\$ 14,500,000
OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps	10/1/2014	6/1/2015	\$ 1,800,000
OKGE	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line	10/1/2014	6/1/2019	\$ 129,000,000
OKGE	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line	10/1/2014	6/1/2019	\$ 119,355,000
		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier		3, 1, 23, 1	
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	equipment and installation of new fiber optic relay panels. Substation	10/1/2014	6/1/2017	\$ 49,623,119
WERE	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV	10/1/2014	6/1/2019	\$ 128,776,067
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019	\$ 225,000
WFEC	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line	10/1/2014	6/1/2017	\$ 2,260,000

Expansion Plan Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
		Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV		
AEPW	Messick 500/230 kV Transformer Ckt 1	lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval	10/1/2014	12/31/2015
		Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from		
KACP	IATAN - NASHUA 345KV CKT 1	latan to Nashua,Add Nashua 345/161 kV	10/1/2014	6/1/2015

Reliability Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
OKGE	KINZE - MCELROY 138KV CKT 1	Rebuild 1.97 miles	6/1/2019	6/1/2019