Screening Study SPP-LTSR-2013-007

For OASIS Request #78485570

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

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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# 78485570 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

BASE CASES:

 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

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

• 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:
 VAR limits:
 Tie lines and loads
 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

Mill now change in overload report.
Excld cases w/ no overloads form report:
Exclude interfaces from report:
Perform voltage limit check:
Elements in available capacity table:
Cutoff threshold for available capacity table:
Min. contng. case Vltg chng for report:
Sorted output:

Newton Solution:

Tap adjustment: SteppingArea interchange control: Disabled

Var limits: Apply automatically

Solution options:

X Phase shift adjustment

_ Flat start _ Lock DC taps

_ Lock switched shunts

		T		Transfer	Ι	Τ		
Scenario	Season	From Area	To Area Monitored Branch Over 100% Rate B	Case %	TDF (%)	Outaged Branch Causing Overload	Upgrade Name	Solution
	4000	A EDIA/	AFDIAL LILL DAINED 100K/ OKT 1		00.000/	ODD AFDIM OF	Manaiala 500/000 IN/ Transferment Old 4	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675
5	18SP	AEPW	AEPW ARSENAL HILL - RAINES 138KV CKT 1	123.6	23.82%	SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1	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	18SP	AEPW	AEPW ARSENAL HILL - RAINES 138KV CKT 1	108.6	21.55%	LIEBERMAN - LONGWOOD 138KV CKT 1 COFFEYVILLE FARMLAND - DELAWARE 138KV CKT	Messick 500/230 kV Transformer Ckt 1 BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT	MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5	14WP	AEPW	AEPW BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	116.0	3.82%	1 DELAWARE (DELAWARE) 345/138/13.8KV	1 BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	14WP	AEPW	AEPW BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	115.9	3.82%	TRANSFORMER CKT 1	1 BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	14WP	AEPW	AEPW BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	111.7	3.67%	4REMNGTON 138.00 - FAIRFAX 138KV CKT 1	1	Rebuild 3.8 miles with 1533.3 ACSR/TW
5	18WP	AEPW	AEPW BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1	100.1	4.81%	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	110.6	3.95%	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT	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	110.5	3.95%	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	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	106.5	14.31%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5						GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1		Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
5	14WP	WERE		106.5	14.31%	GEN532751 1-WOLF CREEK GENERATING STATION		
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	106.5	14.31%	UNIT 1 GEN532751 1-WOLF CREEK GENERATING STATION	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	106.5	14.31%	UNIT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.0	15.99%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.0	15.99%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.0	15.99%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	14WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.0	15.99%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	118.1	10.97%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	118.1	10.97%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
	18SP					GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
- 5		WERE		118.1	10.97%	GEN532751 1-WOLF CREEK GENERATING STATION		, and the state of
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	118.1	10.97%	UNIT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.5	12.24%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.5	12.24%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.5	12.24%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.5	12.24%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	112.1	12.37%	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	112.1	12.37%	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	112.1	12.37%	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	112.1		RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5								
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	101.7	11.59%	SPP-WERE-91	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	101.7	11.59%	SPP-WERE-91	Viola - Clearwater 138kV Ckt1	substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	101.7	11.59%	SPP-WERE-91	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	101.7	11.59%	SPP-WERE-91	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.46%	WRTOD400	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.46%	WRTOD400	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.46%	WRTOD400	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.46%	WRTOD400	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.59%	SPP-WERE-90	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5								Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.59%	SPP-WERE-90	Viola - Clearwater 138kV Ckt1	substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.59%	SPP-WERE-90	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.9	11.59%	SPP-WERE-90	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.5	11.45%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.5	11.45%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.5	11.45%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	18SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.5	11.45%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	18WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.3	14.14%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	18WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.3	14.14%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
5	18WP	WERE	WERE BENTON - WICHITA 345KV CKT 1	100.3	14.14%	GEN532751 1-WOLF CREEK GENERATING STATION UNIT 1		Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5						GEN532751 1-WOLF CREEK GENERATING STATION		· · · · · · · · · · · · · · · · · · ·
5	18WP	WERE		100.3	14.14%	UNIT 1 GEN532751 1-WOLF CREEK GENERATING STATION	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.9	11.86%	UNIT 1 GEN532751 1-WOLF CREEK GENERATING STATION		Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.9	11.86%	UNIT 1 GEN532751 1-WOLF CREEK GENERATING STATION	Viola - Clearwater 138kV Ckt1	substation.
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.9	11.86%	UNIT 1 GEN532751 1-WOLF CREEK GENERATING STATION	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	114.9	11.86%	UNIT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.9	12.44%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.9	12.44%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	104.9	12.44%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	23SP	WERE		104.9	12.44%	HUNTERS7 345.00 - WOODRING 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5								
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	102.0		RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	23SP	WERE		102.0		RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	23SP	WERE	WERE BENTON - WICHITA 345KV CKT 1	102.0	12.55%	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
	_	1	WERE BENTON - WICHITA 345KV CKT 1	102.0	12.55%	RENFROW7 345.00 - VIOLA 7 345.00 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation

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5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	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	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	SWPA	BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW		BETHEL - BROKEN BOW 138KV CKT 1	110.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	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	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW		115.6		PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
-				BETHEL - NASHOBA 138KV CKT 1		4.55%			
5	18WP	AEPW		BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	BETHEL - NASHOBA 138KV CKT 1	115.6	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - 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	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	102.5	3.44%	BBDAMTP4 - MOUNTAIN RIVER 138KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	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	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	SWPA	AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	100.6	3.44%	CRAIG JUNCTION - MOUNTAIN RIVER 138KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	23SP	WERE		CHISHOLM - MAIZEE 4 138.00 138KV CKT 1	131.1	4.33%	BENTON - WICHITA 345KV CKT 1	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers
5	23SP	WERE	WERE		131.1	4.33%		CHISHOLM - MAIZE 138KV CKT 1 #2	Rebuild 7.25 miles
				CHISHOLM - MAIZEE 4 138.00 138KV CKT 1			BENTON - WICHITA 345KV CKT 1		Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	23SP	WERE	WERE	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1	131.1	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	23SP	WERE		CHISHOLM - MAIZEE 4 138.00 138KV CKT 1	131.1	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	23SP	WERE		CHISHOLM - MAIZEE 4 138.00 138KV CKT 1	131.1	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	23SP	WERE		CHISHOLM - MAIZEE 4 138.00 138KV CKT 1	131.1	4.33%	BENTON - WICHITA 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
	14WP	OKGE	OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	103.7	14.30%	ARCADIA - SEMINOLE 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap
5						1			
5 5	14WP	OKGE	OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	102.4	12.78%	GRACEMONT - MINCO 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap
	14WP 18WP	OKGE	OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	102.4	12.78%	GRACEMONT - MINCO 345KV CKT 1 ARCADIA - SEMINOLE 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 5	18WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7	13.64%	ARCADIA - SEMINOLE 345KV CKT 1	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5	18WP	OKGE	OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4	13.64%	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 5	18WP 18WP	OKGE OKGE	OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1 CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2	13.64% 11.63% 12.14%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	CIMARRON - DRAPER LAKE 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 Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5	18WP 18WP 18WP 23WP	OKGE OKGE OKGE	OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3	13.64% 11.63% 12.14% 12.42%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5	18WP 18WP 18WP 23WP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2	13.64% 11.63% 12.14% 12.42% 11.19%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5	18WP 18WP 18WP 23WP 23WP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3	13.64% 11.63% 12.14% 12.42% 11.19% 11.55%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5	18WP 18WP 18WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32	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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5	18WP 18WP 18WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5	13.64% 11.63% 12.14% 12.42% 11.19% 11.35% 11.35%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14	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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35% 11.09%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12	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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP 23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4 102.6	13.64% 11.63% 12.14% 12.42% 11.19% 11.35% 11.35% 11.11% 11.09% 11.14%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12 HOYT - JEFFREY ENERGY CENTER 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP 23WP 23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4 102.6 102.1	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35% 11.11% 11.09% 11.14% 11.08%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4 102.6 102.1 101.5 100.5	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35% 11.11% 11.09% 11.14% 11.08% 11.08%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 QUANEX TAP - QUANEXS5 161.00 161KV CKT 1 BASE CASE	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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4 102.6 102.1 101.5 100.5 100.1	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35% 11.11% 11.09% 11.14% 11.08% 11.12%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 QUANEX TAP - QUANEXS5 161.00 161KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 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 Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap Increase capacity of Draper Lake CT and Cimarron wave trap
5 5 5 5 5 5 5 5 5 5 5 5 5	18WP 18WP 18WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	105.7 101.4 101.2 120.3 116.2 115.3 104.6 103.5 103.4 102.6 102.1 101.5 100.5 100.1 101.2	13.64% 11.63% 12.14% 12.42% 11.19% 11.55% 11.35% 11.11% 11.09% 11.14% 11.08% 11.12% 4.37%	ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 ARCADIA - SEMINOLE 345KV CKT 1 GRACEMONT - MINCO 345KV CKT 1 GRACEMONT - LAWTON EASTSIDE 345KV CKT 1 SPP-AEPW-32 OGE3TERM14 OGE3TERM12 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 QUANEX TAP - QUANEXS5 161.00 161KV CKT 1 BASE CASE ROSE HILL - WOLF CREEK 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
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5	18WP	AEPW		CLAYTON - SARDIS 138KV CKT 1	119.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW		CLAYTON - SARDIS 138KV CKT 1	119.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW		CLAYTON - SARDIS 138KV CKT 1	119.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	CLAYTON - SARDIS 138KV CKT 1	119.5	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63 Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle 345 kV substation to the state of the s
5	14WP	WFEC		DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Clark County - Thistle 345 kV dbl Ckt	new Clark County substation. Build a new 345 kV substation at Thistle with a ring bus and necessary terminal Build a new 92 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV
5	14WP		WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	substation to the SPS interception from the Hitchland substation. Upgrade the Woodward District EHV substation was Build 30 mile double circuit 345 kV line with at least 3000 A capacity from the Hitchland substation to the OGE
5	14WP	WFEC		DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	interception point from the Woodward District EHV substation. Upgrade the Hitchland substation with the necessa Build a new 36 mile double circuit 345 kV line with at least 3000 A capacity from the Spearville substation to the ne
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Spearville - Clark County 345 kV dbl Ckt	Clark County substation. Build the Clark County 345 kV substation with a ring bus and necessary terminal equipmed Build a new 78 mile double circuit 345 kV line with at least 3000 A capacity from the Wichita substation to the new
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Wichita 345 kV dbl Ckt PW	Thistle 345 kV substation. Upgrade the Wichita substation with the necessary breakers and terminal equipment to accommodate two new 345
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Wichita 345 kV dbl Ckt WERE	circuits from the new Thistle 345 kV substation Build a new 79 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	substation to the Kansas/Oklahoma state border towards the Thistle substation. Upgrade the Woodward Distric El Build a new 30 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle substation to the
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Woodward 345 kV dbl Ckt PW	Kansas/Oklahoma state border towards the Woodward District EHV substation.
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Tuco - Woodward 345 kV line OKGE	Build new 345 kV line from Woodward EHV to Border - Project costs now include Border reactor substation Build new 345 kV line from Tuco to OGE Border station near TX/OK Stateline. Install line reactor outside Border station
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Tuco - Woodward 345 kV line SPS	and line reactors at Tuco.
5	14WP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	105.7	5.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation. Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle 345 kV substation to the
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Clark County - Thistle 345 kV dbl Ckt	new Clark County substation. Build a new 345 kV substation at Thistle with a ring bus and necessary terminal Build a new 92 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	substation to the SPS interception from the Hitchland substation. Upgrade the Woodward District EHV substation
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	Build 30 mile double circuit 345 kV line with at least 3000 A capacity from the Hitchland substation to the OGE interception point from the Woodward District EHV substation. Upgrade the Hitchland substation with the necessary in the Hitchland substation with t
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Spearville - Clark County 345 kV dbl Ckt	Build a new 36 mile double circuit 345 kV line with at least 3000 A capacity from the Spearville substation to the new Clark County substation. Build the Clark County 345 kV substation with a ring bus and necessary terminal equipments.
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Wichita 345 kV dbl Ckt PW	Build a new 78 mile double circuit 345 kV line with at least 3000 A capacity from the Wichita substation to the ne Thistle 345 kV substation.
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Wichita 345 kV dbl Ckt WERE	Upgrade the Wichita substation with the necessary breakers and terminal equipment to accommodate two new 34 circuits from the new Thistle 345 kV substation
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	Build a new 79 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the Kansas/Oklahoma state border towards the Thistle substation. Upgrade the Woodward District EHV
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Thistle - Woodward 345 kV dbl Ckt PW	Build a new 30 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle substation to the Kansas/Oklahoma state border towards the Woodward District EHV substation.
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Tuco - Woodward 345 kV line OKGE	Build new 345 kV line from Woodward EHV to Border - Project costs now include Border reactor substation
5	18SP	WFEC		DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Line - Tuco - Woodward 345 kV line SPS	Build new 345 kV line from Tuco to OGE Border station near TX/OK Stateline. Install line reactor outside Border station and line reactors at Tuco.
5	18SP	WFEC	WFEC	DOVER SW - OKEENE 138KV CKT 1	102.3	5.21%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation.
5	14WP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	109.1	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	14WP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	109.1	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	14WP	OKGE		EL RENO - ROMAN NOSE 138KV CKT 1	109.1	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwes Tatonga 345 kV lines.
5	14WP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	109.1	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE		EL RENO - ROMAN NOSE 138KV CKT 1	121.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	121.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1			NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwes Tatonga 345 kV lines.
5	18SP	OKGE			121.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1		Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5				EL RENO - ROMAN NOSE 138KV CKT 1	121.0	6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	104.5	6.50%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	104.5	6.50%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest
5	18SP	OKGE		EL RENO - ROMAN NOSE 138KV CKT 1	104.5	6.50%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	104.5	6.50%	345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	100.6	5.08%	BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE		EL RENO - ROMAN NOSE 138KV CKT 1	100.6	5.08%	BASE CASE	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwes
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	100.6	5.08%	BASE CASE	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	100.6	5.08%	BASE CASE	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	102.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
_	18WP	OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	102.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwes
5		OKGE	OKGE	EL RENO - ROMAN NOSE 138KV CKT 1	102.0	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18WP		1	EL RENO - ROMAN NOSE 138KV CKT 1	1000	6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
	18WP	OKGE	OKGE		102.0				
5		OKGE	OKGE AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1	102.0	3.93%	ELK CITY - FALCON ROAD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5	18WP			ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1		3.93% 4.57%	ELK CITY - FALCON ROAD 138KV CKT 1 ELK CITY - FALCON ROAD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles Rebuild 34.62 miles
5 5	18WP	WFEC	AEPW		104.6				
5 5 5	18WP 14WP 18SP	WFEC	AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1	104.6	4.57%	ELK CITY - FALCON ROAD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5	18WP 14WP 18SP	WFEC WFEC WFEC	AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8	4.57% 3.91%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles Rebuild 34.62 miles
5 5 5 5 5	18WP 14WP 18SP 18SP	WFEC WFEC WFEC	AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4	4.57% 3.91% 4.76%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles Rebuild 34.62 miles Rebuild 34.62 miles
5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6	4.57% 3.91% 4.76% 4.57%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles Rebuild 34.62 miles Rebuild 34.62 miles Rebuild 34.62 miles
5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6	4.57% 3.91% 4.76% 4.57% 4.26%	BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8	4.57% 3.91% 4.76% 4.57% 4.26% 4.13%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8 108.4	4.57% 3.91% 4.76% 4.57% 4.26% 4.13% 3.98%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04 MOREWOOD SW (MOREWOOD) 138/69/13.8KV	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8 108.4 106.3	4.57% 3.91% 4.76% 4.57% 4.26% 4.13% 3.98% 3.91%	BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04 MOREWOOD SW (MOREWOOD) 138/69/13.8KV TRANSFORMER CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WFEC WFEC WFEC WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8 108.4 106.3 114.3	4.57% 3.91% 4.76% 4.57% 4.26% 4.13% 3.98% 3.91% 4.57%	ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04 MOREWOOD SW (MOREWOOD) 138/69/13.8KV TRANSFORMER CKT 1 ELK CITY - FALCON ROAD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP 18SP 18SP 18SP 23SP	WFEC WFEC WFEC WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8 108.4 106.3 114.3 162.4	4.57% 3.91% 4.76% 4.57% 4.26% 4.13% 3.98% 3.91% 4.57% 5.18%	BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04 MOREWOOD SW (MOREWOOD) 138/69/13.8KV TRANSFORMER CKT 1 ELK CITY - FALCON ROAD 138KV CKT 1	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles
5 5 5 5 5 5 5 5 5 5 5 5	18WP 14WP 18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP 23SP	WFEC WFEC WFEC WFEC WFEC WFEC WFEC WFEC	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	104.6 137.4 129.8 123.4 119.6 111.4 109.8 108.4 106.3 114.3 162.4 115.1	4.57% 3.91% 4.76% 4.57% 4.26% 4.13% 3.98% 3.91% 4.57% 5.18% 4.42%	BASE CASE NORTHWEST - TATONGA7 345.00 345KV CKT 1 MOREWOOD SW - MORWOOD 138KV CKT 1 SPP-SWPS-02A SPP-SWPS-03 SPP-SWPS-04 MOREWOOD SW (MOREWOOD) 138/69/13.8KV TRANSFORMER CKT 1 ELK CITY - FALCON ROAD 138KV CKT 1 BASE CASE	ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1 ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles

5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18SP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	101.3	4.56%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	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	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - LONE OAK 138KV CKT 1	124.3	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 11.63
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	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	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - BROKEN BOW 138KV CKT 1	Rebuild 9.19 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	BETHEL - NASHOBA 138KV CKT 1	Rebuild 22.43 miles of 3/0 Copperweld with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - NASHOBA 138KV CKT 1	Rebuild 11.57 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	CLAYTON - SARDIS 138KV CKT 1	Rebuild 1.46 miles of 3/0 CWC with 1272 ACSR
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	ENOWILT - SARDIS 138KV CKT 1	Rebuild 13.8 miles of 3/0 CWC with 1272 ACSR
								BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	
5	18WP	AEPW	AEPW	ENOWILT - SARDIS 138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	123.4	4.55%	PITTSBURG - VALLIANT 345KV CKT 1	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	Rebuild 11.63
5	23SP	WERE		138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	#1 EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1	Upgrade disconnect switches, wavetrap, breaker, jumpers
5	23SP	WERE	WERE	138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	#2	Rebuild 4.8 miles Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	23SP	WERE	WERE	138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
5	23SP	WERE	WERE	138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.
5	23SP	WERE	WERE	138KV CKT 1 EVANS ENERGY CENTER NORTH - MAIZEW 4 138.00	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	23SP	WERE	WERE	138KV CKT 1	136.0	4.33%	BENTON - WICHITA 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
5	23WP	GRDA	AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1	105.9	28.06%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment
5	23WP	GRDA	AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1	100.5	22.58%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment
5	18SP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	119.4	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	119.4	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	119.4	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	119.4	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	132.8	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP	OKGE		FPL SWITCH - MOORELAND 138KV CKT 1	132.8	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	132.8	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	132.8	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	110.6	16.91%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	110.6	16.91%	345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	110.6	16.91%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	110.6	16.91%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	105.1	13.91%	G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	105.1	13.91%	G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	105.1	13.91%	G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
- ŭ							G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV		
5	18WP	OKGE	WFEC	FPL SWITCH - MOORELAND 138KV CKT 1	105.1	13.91%	CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	14WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	105.4	16.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	14WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	105.4	16.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	14WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	105.4	16.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	14WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	105.4	16.71%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	171.0	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	171.0	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	171.0	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	171.0	16.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	133.2	16.72%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	133.2	16.72%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	133.2	16.72%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	IOOF .	UNGE					TATONGA7 345.00 - WOODWARD DISTRICT EHV		•
5		01/0-	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	133.2	16.72%	345KV CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE			400.0	4 = 4007	TO AN OF OR MED OUT A	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
	18SP 18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	130.6	15.12%	TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Ĭ	<u> </u>
5	18SP		OKGE OKGE	FPL SWITCH - WOODWARD 138KV CKT 1 FPL SWITCH - WOODWARD 138KV CKT 1	130.6	15.12%		Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18SP 18SP	OKGE					WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1	Ĭ	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5	18SP 18SP	OKGE OKGE	OKGE OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	130.6	15.12%	WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -

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<u>5</u>	18SP	OKGE OKGE		FPL SWITCH - WOODWARD 138KV CKT 1 FPL SWITCH - WOODWARD 138KV CKT 1	110.8 110.8	13.41% 13.41%	BASE CASE BASE CASE	Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	110.8	13.41%	BASE CASE	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	105.1	14.03%	SPP-AEPW-32	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	105.1	14.03%	SPP-AEPW-32	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP			FPL SWITCH - WOODWARD 138KV CKT 1	105.1	14.03%	SPP-AEPW-32	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	105.1	14.03%	SPP-AEPW-32	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE					SPP-SWPS-04	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	The state of the s
5				FPL SWITCH - WOODWARD 138KV CKT 1	103.0	13.51%		Ĭ .	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	103.0	13.51%	SPP-SWPS-04	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	103.0	13.51%	SPP-SWPS-04	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18SP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	103.0	13.51%	SPP-SWPS-04	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	102.4	13.65%	SPP-SWPS-03	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	102.4	13.65%	SPP-SWPS-03	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	102.4	13.65%	SPP-SWPS-03	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	102.4	13.65%	SPP-SWPS-03	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.6	13.42%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.6	13.42%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.6	13.42%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.6	13.42%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.3	13.43%	LACYGNE - NEOSHO 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.3	13.43%	LACYGNE - NEOSHO 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.3	13.43%	LACYGNE - NEOSHO 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	100.3	13.43%	LACYGNE - NEOSHO 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	158.1	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP			FPL SWITCH - WOODWARD 138KV CKT 1	158.1	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18WP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	158.1	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18WP	OKGE		FPL SWITCH - WOODWARD 138KV CKT 1	158.1	16.91%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5		OKGE					TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP			FPL SWITCH - WOODWARD 138KV CKT 1	126.3	16.91%	TATONGA7 345.00 - WOODWARD DISTRICT EHV	Ĭ .	
5	18WP			FPL SWITCH - WOODWARD 138KV CKT 1	126.3	16.91%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18WP			FPL SWITCH - WOODWARD 138KV CKT 1	126.3	16.91%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	126.3	16.91%	345KV CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	120.0	15.25%	TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	120.0	15.25%	TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	120.0	15.25%	TRANSFORMER CKT 1 WOODWARD (WOODWRD2) 138/69/13.2KV	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	120.0	15.25%	TRANSFORMER CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	101.3	13.53%	BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	101.3	13.53%	BASE CASE	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	101.3	13.53%	BASE CASE	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	18WP	OKGE	OKGE	FPL SWITCH - WOODWARD 138KV CKT 1	101.3	13.53%	BASE CASE	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	23SP	OKGE	WFEC F	RANKLIN SW - MIDWEST TAP 138KV CKT 1	107.5	5.17%	HAMMETT TAP - HAMMETT2 138KV CKT 1	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment
5	23SP	OKGE	WFEC F	RANKLIN SW - MIDWEST TAP 138KV CKT 1	104.7	5.17%	HAMMETT2 - MEEKER 138KV CKT 1	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment
5	23SP	OKGE	WFEC F	RANKLIN SW - MIDWEST TAP 138KV CKT 1	102.1	6.85%	GRACEMONT - MINCO 345KV CKT 1	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	121.7	7.61%	GEN336821 1-GRAND GULF UNIT	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	121.7	7.61%	GEN336821 1-GRAND GULF UNIT	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	121.7	7.61%	GEN336821 1-GRAND GULF UNIT	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	121.7	7.61%	GEN336821 1-GRAND GULF UNIT	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	121.7	7.61%	GEN336821 1-GRAND GULF UNIT	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
	14WP		OKGE					Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5				FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.83%	PITTSBURG - VALUANT 345KV CKT 1		
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.83%	PITTSBURG - VALUANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
_		OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.83%	PITTSBURG - VALLIANT 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					10.83%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6				
5 5 5				FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.6 120.6	10.83%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5 5 5	14WP	OKGE	OKGE				PITTSBURG - VALLIANT 345KV CKT 1 GEN336153 1-WATERFORD UNIT#3	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 5 5 5	14WP	OKGE OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.6	10.83%			
5 5 5 5 5	14WP 14WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	120.6 118.3	10.83% 7.61%	GEN336153 1-WATERFORD UNIT#3	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO

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5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	118.3	7.61%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.45%	SPP-AEPW-01	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.45%	SPP-AEPW-01	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	117.2	10.45%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.45%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.2	10.45%	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	116.6	7.50%	SPP-AEPW-32	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	7.50%	SPP-AEPW-32	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	116.6	7.50%	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		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	7.50%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	116.6	7.50%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.4	7.86%	OVERTON-TRF	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	112.4	7.86%	OVERTON-TRF	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
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5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.4	7.86%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.4	7.86%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	112.4	7.86%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.3	7.64%	LACYGNE - STILWELL 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	111.3	7.64%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.3	7.64%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.3	7.64%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.3	7.64%	LACYGNE - STILWELL 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	110.0	7.66%	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 line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	7.66%	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	110.0	7.66%	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	110.0	7.66%	HOYT - STRANGER CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.0	7.66%	HOYT - STRANGER CREEK 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	7.61%	LACYGNE - WEST GARDNER 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	109.3	7.61%	LACYGNE - WEST GARDNER 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	109.3	7.61%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.3	7.61%	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	7.61%	LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5		OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.2	7.61%	15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP						15TH & FULTON TAP - TULSA SOUTHEAST 138KV		
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	109.2	7.61%	CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV	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	109.2	7.61%	CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV	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	109.2	7.61%	CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	109.2	7.61%	CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.1	7.61%	BASE CASE	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.1	7.61%	BASE CASE	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	108.1	7.61%	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	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.1	7.61%	BASE CASE	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	108.1	7.61%	BASE CASE	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.5	7.64%	ROSE HILL - WOLF 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	107.5	7.64%	ROSE HILL - WOLF 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	107.5	7.64%	ROSE HILL - WOLF 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 line
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.5	7.64%	ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.5	7.64%	ROSE HILL - WOLF CREEK 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	106.4	7.33%	DOLET HILLS - SOUTHWEST SHREVEPORT 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	106.4	7.33%	DOLET HILLS - SOUTHWEST SHREVEPORT 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	106.4	7.33%	DOLET HILLS - SOUTHWEST SHREVEPORT 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	106.4	7.33%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.4	7.33%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	106.0	7.54%	LACYGNE - NEOSHO 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	106.0	7.54%	LACYGNE - NEOSHO 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	106.0	7.54%	LACYGNE - NEOSHO 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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.0	7.54%	LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	14WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.0	7.54%	LACYGNE - NEOSHO 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	120.1	11.95%	PITTSBURG - VALLIANT 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	120.1	11.95%	PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
ı	1000	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.1	11.95%	PITTSBURG - VALLIANT 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							·	
5 5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.1	11.95%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate

5		1			1				
•	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	118.3	9.18%	CHAMBER SPRINGS - CLARKSVILLE 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	118.3	9.18%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	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	118.3	9.18%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	118.3	9.18%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP				118.3	9.18%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
		OKGE		FT SMITH - MUSKOGEE 345KV CKT 1					
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	9.17%	GEN336153 1-WATERFORD UNIT#3	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	9.17%	GEN336153 1-WATERFORD UNIT#3	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	117.5	9.17%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	9.17%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	9.17%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.08%	SPP-AEPW-32	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.08%	SPP-AEPW-32	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	116.6	9.08%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.08%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.6	9.08%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	116.2	11.50%	SPP-AEPW-01	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.2	11.50%	SPP-AEPW-01	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	116.2	11.50%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.2	11.50%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	116.2	11.50%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.6	9.43%	OVERTON-TRF	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	112.6	9.43%	OVERTON-TRF	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.6	9.43%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.6	9.43%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	112.6	9.43%	OVERTON-TRF	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.23%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.23%	HOYT - JEFFREY ENERGY CENTER 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	111.1	9.23%	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	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	111.1	9.23%	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE		111.1	9.23%		VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
				FT SMITH - MUSKOGEE 345KV CKT 1			HOYT - JEFFREY ENERGY CENTER 345KV CKT 1		
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.9	9.21%	LACYGNE - STILWELL 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	110.9	9.21%	LACYGNE - STILWELL 345KV CKT 1	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	110.9	9.21%	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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.9	9.21%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.9	9.21%	LACYGNE - STILWELL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP		OKGE			9.23%	HOYT - STRANGER CREEK 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	D 11 1 = 0.0 (0.1 = 1.) (T
5		OKGE	ONOL	FT SMITH - MUSKOGEE 345KV CKT 1	110.3		HOTT - STRANGER CREEK 343KV CRT I		Build 500/345 kV Transformer at ANO
1	18SP	OKGE OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.3	9.23%	HOYT - STRANGER CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18SP					9.23%			
5		OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3		HOYT - STRANGER CREEK 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
	18SP	OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.3	9.23%	HOYT - STRANGER CREEK 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	18SP 18SP	OKGE OKGE	OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3	9.23% 9.23%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV 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	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	18SP 18SP	OKGE OKGE OKGE	OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3	9.23% 9.23% 9.23%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV 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	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
5 5 5	18SP 18SP 18SP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3	9.23% 9.23% 9.23% 9.17%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV	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	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 5	18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 109.6 109.6	9.23% 9.23% 9.23% 9.17% 9.17%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV 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	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
5 5 5 5 5	18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 109.6 109.6 109.6	9.23% 9.23% 9.23% 9.17% 9.17% 9.17%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV 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	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
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 OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV 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	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
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 OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.6	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 Arkansas Nuclear One 500/345 Transformer	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 73 miles of 345kV line
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.6 109.4 109.4	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 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 Arkansas Nuclear One 500/345 Transformer 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 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 Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
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 OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.6	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 Arkansas Nuclear One 500/345 Transformer	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 Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
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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	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 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 Arkansas Nuclear One 500/345 Transformer 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 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 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	18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 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	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 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	18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 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	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 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
5 5 5 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	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.18%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 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 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	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 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 and 10 miles of 161 kV line Indeterminate 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	18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.18% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 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 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 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	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 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 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	18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.9 108.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 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 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 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 Transformer FT SMITH - MUSKOGEE 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	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 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 73 miles of 345kV line Build 7500/345 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	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.9 108.9 108.9 108.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 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 EES VBI - Arkansas Nuclear One 345kV EES MUSI - 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 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 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 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 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 Indeterminate
5 5 5 5 5 5 5 5 5 5 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	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 108.9 108.9 108.9 108.9 108.9 108.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19% 9.19% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 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 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 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	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 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 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 Build 75 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 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	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.9 108.9 108.9 108.9 108.9 108.9 108.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19% 9.19% 9.19% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1 BASE CASE BASE CASE	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 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 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 EES	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 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 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 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 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 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 18SP	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	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 108.9 108.9 108.9 108.9 108.9 108.9 108.3 108.3	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19% 9.19% 9.19% 9.19% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1 BASE CASE BASE CASE BASE CASE	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 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 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 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 OKGE Arkansas Nuclear One 500/345 Transformer 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 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 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 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 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
5 5 5 5 5 5 5 5 5 5 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	110.3 110.3 110.3 110.3 110.3 110.3 109.6 109.6 109.6 109.6 109.4 109.4 109.4 109.4 109.4 109.4 109.4 109.9 108.9 108.9 108.9 108.9 108.9 108.9	9.23% 9.23% 9.23% 9.17% 9.17% 9.17% 9.17% 9.18% 9.18% 9.18% 9.18% 9.19% 9.19% 9.19% 9.19% 9.19% 9.19%	HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 15TH & FULTON TAP - 15TH & FULTON WEST 138KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1 BASE CASE BASE CASE	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 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 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 EES	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 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 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 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 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 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	FT SMITH - MUSKOGEE 345KV CKT 1	107.7	9.20%	ROSE HILL - WOLF CREEK 345KV CKT 1	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	107.7	9.20%	ROSE HILL - WOLF 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 line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.7	9.20%	ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	107.7	9.20%	ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP		OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.85%	CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.85%	CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	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	106.3	8.85%	CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	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	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.85%	CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	106.3	8.85%	CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	105.9	9.11%	LACYGNE - NEOSHO 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	105.9	9.11%	LACYGNE - NEOSHO 345KV CKT 1	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	105.9	9.11%	LACYGNE - NEOSHO 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	FT SMITH - MUSKOGEE 345KV CKT 1	105.9	9.11%	LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	105.9	9.11%	LACYGNE - NEOSHO 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	125.2	11.35%	PITTSBURG - VALLIANT 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	125.2	11.35%	PITTSBURG - VALLIANT 345KV 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	125.2	11.35%	PITTSBURG - VALLIANT 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	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	125.2	11.35%	PITTSBURG - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	125.2	11.35%	PITTSBURG - VALLIANT 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	120.7	8.42%	GEN336153 1-WATERFORD UNIT#3	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.7	8.42%	GEN336153 1-WATERFORD UNIT#3	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	120.7	8.42%	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	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.7	8.42%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.7	8.42%	GEN336153 1-WATERFORD UNIT#3	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE		FT SMITH - MUSKOGEE 345KV CKT 1	120.5	10.92%	SPP-AEPW-01	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.5	10.92%	SPP-AEPW-01	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
- U									
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.5	10.92%	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	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.5	10.92%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	120.5	10.92%	SPP-AEPW-01	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	8.32%	SPP-AEPW-32	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	8.32%	SPP-AEPW-32	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	117.5	8.32%	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	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	8.32%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	117.5	8.32%	SPP-AEPW-32	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	10111	- CINOL	1						
,	18WP	OKGE	OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2	8.42%	GEN501812 1-RODEMACHER UNIT 2	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5				FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2	8.42% 8.42%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2	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 5	18WP	OKGE							
	18WP 18WP	OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2	8.42% 8.42%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2	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
5	18WP 18WP 18WP	OKGE OKGE OKGE	OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2	8.42% 8.42% 8.42%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2	FT SMITH - MUSKOGEE 345KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	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	18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2	8.42% 8.42% 8.42% 8.42%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2	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	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
5 5 5	18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5	8.42% 8.42% 8.42% 8.42% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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	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	18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5	8.42% 8.42% 8.42% 8.42% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer 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 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	18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5 111.5	8.42% 8.42% 8.42% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 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	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
5 5 5 5	18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5	8.42% 8.42% 8.42% 8.42% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 EES VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer 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 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	18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5 111.5	8.42% 8.42% 8.42% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 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	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
5 5 5 5 5	18WP 18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5 111.5 111.5	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 EES	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
5 5 5 5 5	18WP 18WP 18WP 18WP 18WP 18WP 18WP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 EES VBI - Arkansas Nuclear One 345kV OKGE	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
5 5 5 5 5 5	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	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.5	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 Arkansas Nuclear One 500/345 Transformer	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 73 miles of 345kV line
5 5 5 5 5 5 5	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	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.0 111.0	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 LACYGNE - STILWELL 345KV CKT 1 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 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	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 Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5 5 5 5 5 5 5 5	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	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.0 111.0	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.45% 8.45%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 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 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	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 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	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	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.0 111.0 111.0 111.0	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.45% 8.48% 8.48% 8.48%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 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	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 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 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	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	113.2 113.2 113.2 113.2 113.5 111.5 111.5 111.5 111.0 111.0 111.0 111.0 111.0 111.0	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.48% 8.48% 8.48% 8.48%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 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 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 VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer	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 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 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	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	113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.0 111.0 111.0 111.0 111.0 111.0	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.48% 8.48% 8.48% 8.48%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 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 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 VBI - Arkansas Nuclear One 345kV OKGE Arkansas Nuclear One 500/345 Transformer 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 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 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 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
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	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	113.2 113.2 113.2 113.2 113.2 111.5 111.5 111.5 111.5 111.0 111.0 111.0 111.0 111.0 111.0 110.5 110.5 110.5 110.5	8.42% 8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.48% 8.48% 8.48% 8.48% 8.48% 8.48% 8.48% 8.48%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV 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 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 EES	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 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 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 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
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	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 FT SMITH - MUSKOGEE 345KV CKT 1	113.2 113.2 113.2 113.2 113.5 111.5 111.5 111.5 111.0 111.0 111.0 111.0 111.0 111.0 111.0 110.5 110.5 110.5 110.5 110.1 110.1 110.1	8.42% 8.42% 8.42% 8.45% 8.45% 8.45% 8.45% 8.45% 8.48%	GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 GEN501812 1-RODEMACHER UNIT 2 LACYGNE - STILWELL 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV CKT 1 15TH & FULTON TAP - TULSA SOUTHEAST 138KV 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 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 NBI - Arkansas Nuclear One 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 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 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 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 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 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
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5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	109.9	8.42%	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	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	109.9	8.42%	LACYGNE - WEST GARDNER 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	109.9	8.42%	LACYGNE - WEST GARDNER 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	109.3	8.44%	MCCREDIE - THOMAS HILL 345KV 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	109.3	8.44%	MCCREDIE - THOMAS HILL 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5								·
5	18WP	OKGE		109.3	8.44%	MCCREDIE - THOMAS HILL 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	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	109.3	8.44%	MCCREDIE - THOMAS HILL 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	109.3	8.44%	MCCREDIE - THOMAS HILL 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	108.8	8.42%	BASE CASE	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.8	8.42%	BASE CASE	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	108.8	8.42%	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	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.8	8.42%	BASE CASE	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.8	8.42%	BASE CASE	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.1	8.45%	ROSE HILL - WOLF 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 line
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.1	8.45%		Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
						ROSE HILL - WOLF CREEK 345KV CKT 1		
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.1	8.45%	ROSE HILL - WOLF CREEK 345KV 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	108.1	8.45%	ROSE HILL - WOLF CREEK 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	108.1	8.45%	ROSE HILL - WOLF CREEK 345KV CKT 1 DOLET HILLS - SOUTHWEST SHREVEPORT 345KV	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.13%	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	107.1	8.13%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV 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	107.1	8.13%	DOLET HILLS - SOUTHWEST SHREVEPORT 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	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.13%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	107.1	8.13%	DOLET HILLS - SOUTHWEST SHREVEPORT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18WP	OKGE		106.4	8.35%	LACYGNE - NEOSHO 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5								
5	18WP	OKGE		106.4	8.35%	LACYGNE - NEOSHO 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
5	18WP	OKGE		106.4	8.35%	LACYGNE - NEOSHO 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	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	106.4	8.35%	LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	106.4	8.35%	LACYGNE - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	23WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5	3.46%	PITTSBURG - VALLIANT 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	23WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5	3.46%	PITTSBURG - VALLIANT 345KV CKT 1	FT SMITH - MUSKOGEE 345KV CKT 1	Upgrade Ft. Smith 345 kV breakers and switches to 2000 amps
								opgrado i a omario lo kv broakero ana ovikonos to 2000 ampo
5	23WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5	3.46%	PITTSBURG - VALLIANT 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	23WP	OKGE OKGE		126.5 126.5	3.46% 3.46%	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	·
5 5 5	23WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5	3.46%	PITTSBURG - VALLIANT 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
5 5 5	23WP 23WP	OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5	3.46% 3.46%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	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	23WP 23WP 23WP	OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8	3.46% 3.46% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE 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 Indeterminate Build 73 miles of 345kV line Build 500/345 kV Transformer at ANO
5 5 5 5	23WP 23WP 23WP	OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8 123.8	3.46% 3.46% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 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	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 5	23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8 123.8	3.46% 3.46% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 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	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	23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8 123.8 123.8	3.46% 3.46% 4.26% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 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	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
5 5 5 5	23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8 123.8	3.46% 3.46% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 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	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	23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1	126.5 126.5 123.8 123.8 123.8	3.46% 3.46% 4.26% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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
5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE TOKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE	126.5 126.5 123.8 123.8 123.8 123.8	3.46% 3.46% 4.26% 4.26% 4.26% 4.26%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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
5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE T FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE T FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7	3.46% 4.26% 4.26% 4.26% 4.26% 7.52%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE TOKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH1) 545/161/13.8KV TRANSFORMER CKT OKGE	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7 102.9	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE TOKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE TOKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8	3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER 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 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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 18SP 18WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV 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
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 18SP 18WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3	3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 4.26% 5.32% 6.66% 6.11% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 NORTHWEST - TATONGA7 345.00 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 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 18SP 18WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3	3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 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 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 0 OKGE 1 FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 0 OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 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 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest-Tatonga 345 kV lines.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 18SP 18WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE TSMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3	3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 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 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 0 OKGE 1 FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH) 500/345/13.8KV TRANSFORMER CKT 0 OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest-Tatonga 345 kV lines.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 132.3	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 132.3 134.4	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 126.5 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 132.3 134.4 114.4	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 1 OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUNTAIN - MOOREL	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 132.3 134.4 114.4 114.4	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 14WP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 132.3 134.4 114.4 114.4 114.4 114.4 114.4	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP 14	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT OKGE 1 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5 FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT OKGE 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1 OKGE GLASS MOUN	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 134.4 114.4 114.4 114.4 114.4 114.4 114.4 114.5	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Reset CT
5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP 14	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 134.4 114.4 114.4 114.4 114.4 114.4 114.5 111.5	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus tie in Ft. Smith Sub Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 49-mile Woodward EHV - Tatonga 345 kV line. Build new 49-mile Woodward EHV - Tatonga 345 kV line. Build new 49-mile Woodward EHV - Tatonga 345 kV line.
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP 14	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 134.4 114.4 114.4 114.4 114.4 114.5 111.5 111.5	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8kV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23WP 23WP 23WP 23WP 23WP 23WP 23WP 14WP 14WP 18SP 18WP 14WP 14WP 14WP 14WP 14WP 14WP 14WP 14	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE FT SMITH - MUSKOGEE 345KV CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE FT SMITH (FTSMITH5) 345/161/13.8KV TRANSFORMER CKT 5 OKGE GLASS MOUNTAIN - MOORELAND 138KV CKT 1	126.5 123.8 123.8 123.8 123.8 123.8 123.8 103.7 102.9 104.1 117.8 122.9 120.7 132.3 132.3 132.3 134.4 114.4 114.4 114.4 114.4 114.5 111.5 111.5	3.46% 3.46% 4.26% 4.26% 4.26% 4.26% 7.52% 9.01% 8.27% 5.32% 6.66% 6.11% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83% 5.83%	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1 CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1 FT SMITH (FTSMITH5) 345/161/13.8KV	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 (FTSMITH1) 500/345/13.8kV TRANSFORMER CKT 1 GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate GLASS MOUNTAIN - MOORELAND 138KV CKT 1 Cimarron - Mathewson 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	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 Install 2nd 500/345 kV bus tie in Ft. Smith Sub Install 2nd 500/345 kV bus
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5	14WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	103.0	4.85%	SPP-AEPW-32	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5	14WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	103.0	4.85%	SPP-AEPW-32	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
5	14WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	103.0	4.85%	SPP-AEPW-32	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	122.8	5.29%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	122.8	5.29%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	122.8	5.29%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	122.8	5.29%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	122.8	5.29%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	106.6	5.29%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	106.6	5.29%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	106.6	5.29%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	106.6	5.29%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	106.6	5.29%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	104.7	4.64%	KNOBHILL - MOORELAND 138KV CKT 1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	104.7	4.64%	KNOBHILL - MOORELAND 138KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	104.7	4.64%	KNOBHILL - MOORELAND 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	104.7	4.64%	KNOBHILL - MOORELAND 138KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18SP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	104.7	4.64%	KNOBHILL - MOORELAND 138KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	110.5	5.62%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT
5	18WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	110.5	5.62%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	18WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	110.5	5.62%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	18WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	110.5	5.62%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5	18WP WFEC OKGE	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	110.5	5.62%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18WP OKGE AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	103.0	6.80%	G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	23WP OKGE AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	110.1	4.18%	G12-038 TAP 345.00 - TUCO INTERCHANGE 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	23WP OKGE AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	105.8	6.15%	OKLAUNION - TUCO INTERCHANGE 345KV CKT 1	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	23WP OKGE AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	105.8	6.15%	SPP-SWPS-01	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	23WP OKGE AEPW	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	102.3	3.25%	BASE CASE	GRACEMONT - LAWTON EASTSIDE 345KV CKT 1	Replace Terminal Equipment
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	140.7	4.71%	AXTELL - PAULINE 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	140.7	4.71%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	140.7	4.71%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	140.7	4.71%	AXTELL - PAULINE 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	129.2	4.23%	MOORE - PAULINE 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	129.2	4.23%	MOORE - PAULINE 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	129.2	4.23%	MOORE - PAULINE 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	129.2	4.23%	MOORE - PAULINE 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.6	3.48%	HOYT - STRANGER CREEK 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.6	3.48%	HOYT - STRANGER CREEK 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.6	3.48%	HOYT - STRANGER CREEK 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.6	3.48%	HOYT - STRANGER CREEK 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1	3.64%	SPP-AEPW-32	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1	3.64%	SPP-AEPW-32	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76
5	1			0.0.70	•····•		111115).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1		3.64%	SPP-AEPW-32	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1 GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1	3.64%	SPP-AEPW-32	Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades	Substation. (Estimated 146 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1	3.64%	SPP-AEPW-32	Cherry Co 345 kV Terminal Upgrades	
5	14WP NPPD NPPD 14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1 GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9	3.64% 3.43%	SPP-AEPW-32 LN-1090	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit
	14WP NPPD NPPD 14WP NPPD NPPD 14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1 GRAND ISLAND - SWEETWATER 345KV CKT 1 GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9	3.64% 3.43% 3.43%	SPP-AEPW-32 LN-1090 LN-1090	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County
5 5 5	14WP NPPD NPPD 14WP NPPD NPPD 14WP NPPD NPPD 14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9	3.64% 3.43% 3.43% 3.43%	SPP-AEPW-32 LN-1090 LN-1090	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9 110.9	3.64% 3.43% 3.43% 3.43%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation.
5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9 110.9 110.0	3.64% 3.43% 3.43% 3.43% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76
5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9 110.9 110.0 110.0	3.64% 3.43% 3.43% 3.43% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County
5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 112.1 110.9 110.9 110.9 110.0 110.0	3.64% 3.43% 3.43% 3.43% 3.43% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation.
5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from New Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build new Cherry County 345 kV Substation.
5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5 5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 110.0 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	LN-1090 LN-1090 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5 5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5 5 5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5 5 5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7 108.7 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build new Cherry County 345 kV Substation.
5 5 5 5 5 5 5 5 5 5 5	14WP NPPD NPPD 14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1 GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7 108.7 108.7 108.7 108.2 108.2	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from New Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5 5 5 5 5 5 5 5 5 5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.1 110.9 110.9 110.9 110.0 110.0 110.0 110.0 110.0 108.7 108.7 108.7 108.7 108.7	3.64% 3.43% 3.43% 3.43% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38% 3.38%	SPP-AEPW-32 LN-1090 LN-1090 LN-1090 NORTH PLATTE 115/34.5KV TRANSFORMER CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co 345 kV Terminal Upgrades GRAND ISLAND - SWEETWATER 345KV CKT 2 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Holt Co 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1 Cherry Co - Gentleman 345 kV Ckt1	Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles). Build new Cherry County 345 kV Substation. Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation. Build new Cherry County 345 kV Substation.

5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	108.0	3.35%	LACYGNE - NEOSHO 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	108.0	3.35%	LACYGNE - NEOSHO 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	14WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	108.0	3.35%	LACYGNE - NEOSHO 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	18SP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	103.4	4.29%	AXTELL - PAULINE 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
<u> </u>	18SP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	103.4	4.29%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76
5						•	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County
5	18SP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	103.4	4.29%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles).
5	18SP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	103.4	4.29%	AXTELL - PAULINE 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.8	4.25%	AXTELL - PAULINE 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.8	4.25%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.8	4.25%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles).
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	112.8	4.25%	AXTELL - PAULINE 345KV CKT 1 CHERRYC3 345.00 - GERALD GENTLEMAN	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	107.1	3.50%	STATION 345KV CKT 1 CHERRYC3 345.00 - GERALD GENTLEMAN	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	107.1	3.50%	STATION 345KV CKT 1 CHERRYC3 345.00 - GERALD GENTLEMAN	Cherry Co - Gentleman 345 kV Ckt1	miles). Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	107.1	3.50%	STATION 345KV CKT 1 CHERRYC3 345.00 - GERALD GENTLEMAN	Cherry Co - Holt Co 345 kV Ckt1	Substation. (Estimated 146 miles).
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	107.1	3.50%	STATION 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	106.4	3.50%	CHERRYC3 345.00 - HOLT.CO3 345.00 345KV CKT	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	106.4	3.50%	CHERRYC3 345.00 - HOLT.CO3 345.00 345KV CKT	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	106.4	3.50%	CHERRYC3 345.00 - HOLT.CO3 345.00 345KV CKT	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	18WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	106.4	3.50%	CHERRYC3 345.00 - HOLT.CO3 345.00 345KV CKT	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	23WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	110.6	3.36%	AXTELL - PAULINE 345KV CKT 1	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit
5	23WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	110.6	3.36%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).
5	23WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	110.6	3.36%	AXTELL - PAULINE 345KV CKT 1	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).
5	23WP NPPD NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 1	110.6	3.36%	AXTELL - PAULINE 345KV CKT 1	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.
5	18SP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	103.6	3.61%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	18SP GRDA GRDA			3.61%		GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5		GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	103.6		7JASPER 345.00 - BLACKBERRY 345KV CKT 1		<u> </u>
5	18SP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	100.2	3.57%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	18SP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	100.2	3.57%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5	18WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	107.4	3.37%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	18WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	107.4	3.37%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5	18WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	104.1	3.33%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	18WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	104.1	3.33%	7JASPER 345.00 - MORGAN 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	126.5	30.22%	CHAMBER SPRINGS - CLARKSVILLE 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	23WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	126.5	30.22%	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	116.9	23.80%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	23WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	116.9	23.80%	7JASPER 345.00 - BLACKBERRY 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	113.1	23.87%	7JASPER 345.00 - MORGAN 345KV CKT 1	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	23WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	113.1	23.87%	7JASPER 345.00 - MORGAN 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	101.8	24.07%	SPP-GRDA-03	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment
5	23WP GRDA GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	101.8	24.07%	SPP-GRDA-03	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #1	Add new pole to increase line clearance
5	23SP OKGE OKGE	HAMMETT TAP - HORSESHOE LAKE 138KV CKT 1	100.1	3.25%	FRANKLIN - FRANKLIN SW 138KV CKT 1	HAMMETT TAP - HORSESHOE LAKE 138KV CKT 1	Rebuild 6.03 miles
5	18SP GRDA OKGE	HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.6	3.11%	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	18SP GRDA OKGE	HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.6	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	18SP GRDA OKGE	HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.6	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP GRDA OKGE	HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.6	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP GRDA OKGE	HIGHWAY 59 - TAHLEQUAH 161KV CKT 1	113.6	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP GRDA OKGE	HIGHWAY 59 - VBI 161KV CKT 1	119.7	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 73 filles 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
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5	18SP OKGE OKGE	HIGHWAY 59 - VBI 161KV CKT 1	119.7	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	18SP OKGE OKGE	HIGHWAY 59 - VBI 161KV CKT 1	119.7	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO
5	18SP OKGE OKGE	HIGHWAY 59 - VBI 161KV CKT 1	119.7	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5	18SP OKGE OKGE	HIGHWAY 59 - VBI 161KV CKT 1	119.7	3.11%	FT SMITH - MUSKOGEE 345KV CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.7	4.36%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	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
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.7	4.36%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	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
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.7	4.36%	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	111.7	4.36%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.7	4.36%	CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.0	5.26%	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 a
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.0	5.26%	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 a JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.0	5.26%	SWISSVALE - WEST GARDNER 345KV CKT 1	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	111.0	5.26%	SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
├	 		i	2	· .		
5	14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.0	5.26%	SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
	14WP WERE WERE 14WP WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	111.0 110.9	5.26% 3.65%	SWISSVALE - WEST GARDNER 345KV CKT 1 JEFFREY ENERGY CENTER - MORRIS COUNTY 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

			 		<u> </u>				
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.9	3.65%	JEFFREY ENERGY CENTER - MORRIS COUNTY 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
5	1400 P	WERE	WEKE	HOTT - JEFFRET ENERGT CENTER 343RV CRT I	110.9	3.03%	JEFFREY ENERGY CENTER - MORRIS COUNTY	HOTT - JEFFRET ENERGT CENTER 343RV CRT T	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new liber optic relay
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.9	3.65%	345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
							JEFFREY ENERGY CENTER - MORRIS COUNTY		
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.9	3.65%	345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
_							JEFFREY ENERGY CENTER - MORRIS COUNTY		
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	110.9	3.65%	345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.2	4.16%	LACYGNE - STILWELL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
		772172	***************************************	THE TENENCE OF THE TOTAL OF THE TENENCE OF THE TENE	10112	11.1070	ENGLOSE GREWELE GOVERN	talan control and grant control and an area	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	101.2	4.16%	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
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.2	4.16%	LACYGNE - STILWELL 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
_	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.2	4.16%	LACYGNE - STILWELL 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	1400P	WERE	WERE	HOTT - JEFFRET ENERGT CENTER 345KV CKT I	101.2	4.10%	LACTGINE - STILWELL 345KV CKT I	Lacygne - Manosa 343KV AMRN	indeterminate
5	14WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.2	4.16%	LACYGNE - STILWELL 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
							AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	79	
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	4.72%	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
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	4.72%	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
_	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	4.72%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	100F	WEKE	WEKE	HOTT - JEFFRET ENERGT CENTER 343RV CRT I	120.7	4.7270	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	latari - Jeniey Energy Center 343 KV WEKE	Build 30.0 Tilles of New 343 KV
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	4.72%	CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
							AUBURN ROAD - JEFFREY ENERGY CENTER 230KV		
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	4.72%	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	118.4	5.63%	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
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.4	5.63%	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
<u> </u>	1001	VVLINE	VVLINE	TIOTT - SELFTRET ENERGY CENTER SASKY CITY	110.4	3.0370	OWIGOVALL - WEST CARDINER STORY ORT 1	THO THE TENEROT DENTER 040RV ORT	CEO (Clausoff f) Substation will include removal of 6-bit veather equipment and installation of new liber optio relay
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.4	5.63%	SWISSVALE - WEST GARDNER 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	118.4	5.63%	SWISSVALE - WEST GARDNER 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
_	4005	===						Language Mariana 04510/1/4 OB	D. II I amount in stall 404 or illes of 0451 V from 1400 II I amount AMDNI Marines
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	118.4	5.63%	SWISSVALE - WEST GARDNER 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	117.6	3.95%	JEFFREY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
	1001	V V L I \ L	V V L I \ L	TIOTT SETTINET ENERGY SERVICES SHOW SINT	117.0	0.0070	JEFFREY ENERGY CENTER - MORRIS COUNTY	Main Comby Energy Comer CHO IV TO ICI	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	117.6	3.95%	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
							JEFFREY ENERGY CENTER - MORRIS COUNTY		
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.6	3.95%	345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
_	4005	14/555	14/55	HOVE IEEEDEVENEDOVOENED OF THE	447.0	0.0501	JEFFREY ENERGY CENTER - MORRIS COUNTY	Language Market Office AMBN	
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.6	3.95%	345KV CKT 1 JEFFREY ENERGY CENTER - MORRIS COUNTY	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WEDE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	117.6	3.95%	345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	1005	VVERE	WEKE	HOTH - JEFFRET ENERGT CENTER 343RV CRT I	0.111	3.95%	343NV UNT I	Lacygne - Manusa 345KV KACF	Dulid approximately 101 miles of 340KV from NOFE Eacygrie - Africki Mariosa

_	18SP	WEDE WEDE	LIOVE IEEEDEVENEDOV CENTED 245KV OVE 4	100.5	4.500/	LACYONE CTILWELL 245KV CKT 4	loton Joffroy Energy Center 245 Id/ KACD	Build 14.2 miles of new 345 kV
5		WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.52%	LACYGNE - STILWELL 345KV 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 at
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.52%	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
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.52%	LACYGNE - STILWELL 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	109.5	4.52%	LACYGNE - STILWELL 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.52%	LACYGNE - STILWELL 345KV CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	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	109.5	4.46%	TRANSFORMER CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	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	109.5	4.46%	TRANSFORMER CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	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
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.46%	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	109.5	4.46%	TRANSFORMER CKT 1 AUBURN ROAD (AUBRN77X) 230/115/13.8KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.5	4.46%	TRANSFORMER CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER	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	109.4	4.24%	230KV CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER	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	109.4	4.24%	230KV CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER	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
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.4	4.24%	230KV CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER	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	109.4	4.24%	230KV CKT 1 EAST MANHATTAN - JEFFREY ENERGY CENTER	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.4	4.24%	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	107.5	3.31%	JEFFREY ENERGY CENTER - SUMMIT 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	107.5	3.31%	JEFFREY ENERGY CENTER - SUMMIT 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
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	107.5	3.31%	JEFFREY ENERGY CENTER - SUMMIT 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	107.5	3.31%	JEFFREY ENERGY CENTER - SUMMIT 345KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	107.5	3.31%	JEFFREY ENERGY CENTER - SUMMIT 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	106.9	4.60%	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 JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
<u>5</u> 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.9 106.9	4.60% 4.60%	SPP-AEPW-32 SPP-AEPW-32	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 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.9 106.9	4.60% 4.60%	SPP-AEPW-32 SPP-AEPW-32	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	106.6	4.57%	SPP-WERE-85	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	4.57%	SPP-WERE-85	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 18SP	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	106.6 106.6	4.57% 4.57% 4.57%	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	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.6	4.57%	SPP-WERE-85	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 14.2 miles of new 345 kV
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3	4.43%	LACYGNE - WEST GARDNER 345KV 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 at
5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3	4.43%	LACYGNE - 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 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 106.3	4.43% 4.43%	LACYGNE - WEST GARDNER 345KV CKT 1 LACYGNE - WEST GARDNER 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build 56.8 miles of new 345 kV Indeterminate
							70	
5 5	18SP 18SP	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6	4.43% 4.53%	LACYGNE - WEST GARDNER 345KV CKT 1 SPP-MIPU-05	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 5	18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6	4.53%	SPP-MIPU-05	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
5 5 5 5	18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6	4.53% 4.53% 4.53%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05	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	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 5 5	18SP 18SP	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6	4.53% 4.53%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05	Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	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	18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6	4.53% 4.53% 4.53% 4.53%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05	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	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
5 5 5 5 5 5	18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.6	4.53% 4.53% 4.53% 4.53% 4.53%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV	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	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 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 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.6	4.53% 4.53% 4.53% 4.53% 4.53%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	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	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 Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.6	4.53% 4.53% 4.53% 4.53% 4.53% 4.45%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	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	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 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 5	18SP 18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.3	4.53% 4.53% 4.53% 4.53% 4.53% 4.45%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	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	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 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 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.3 105.3 105.3	4.53% 4.53% 4.53% 4.53% 4.53% 4.45% 4.45% 4.45%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1	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 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 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 5	18SP 18SP 18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.3 105.3	4.53% 4.53% 4.53% 4.53% 4.45% 4.45% 4.45%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV	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	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 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 5 5 5 5 5 5	18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.3 105.3 105.3 105.3	4.53% 4.53% 4.53% 4.53% 4.53% 4.45% 4.45% 4.45% 4.45% 4.46%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 AUBURN ROAD - SHERWOD 115KV CKT 1	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 KACP latan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV 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 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 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 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	106.3 105.6 105.6 105.6 105.6 105.3 105.3 105.3 105.3 105.3 105.3 105.3	4.53% 4.53% 4.53% 4.53% 4.53% 4.45% 4.45% 4.45% 4.46% 4.46% 4.46%	SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 SPP-MIPU-05 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 AUBURN ROAD - SHERWOD 115KV CKT 1	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 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	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 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 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
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5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0	4.45%	TRANSFORMER CKT 1 MIDLAND JUNCTION (MIDJ126X) 230/115/18.0KV	Lacygne - Mariosa 345KV AMRN	Indeterminate Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.0	4.45%	TRANSFORMER CKT 1 SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER	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	104.9	4.35%	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
_							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	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	4.35%	CKT 1 SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	4.35%	CKT 1 SUMMIT (SUMMIT1X) 345/230/14.4KV TRANSFORMER	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	104.9	4.35%	CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.9	4.35%	SUMMIT (SUMMIT1X) 345/230/14.4KV 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	104.8	4.43%	COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
							COWSKIN (COWSKN1X) 138/69/13.2KV	, , , , , , , , , , , , , , , , , , ,	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	104.8	4.43%	TRANSFORMER CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	4.43%	COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8	4.43%	COWSKIN (COWSKN1X) 138/69/13.2KV TRANSFORMER CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5							COWSKIN (COWSKN1X) 138/69/13.2KV		
5 5	18SP 18SP	WERE WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.8 104.5	4.43% 4.45%	TRANSFORMER 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
								•	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	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.5	4.45%	MIDLAND JUNCTION - PENTAGON 115KV CKT 1	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	104.5 104.5	4.45% 4.45%	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	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.5	4.45%	MIDLAND JUNCTION - PENTAGON 115KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE	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	104.5	4.43%	138KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
							EVANS ENERGY CENTER SOUTH - LAKERIDGE		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	104.5	4.43%	138KV CKT 1 EVANS ENERGY CENTER SOUTH - LAKERIDGE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.5	4.43%	138KV 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	104.5	4.43%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.5	4.43%	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5							EUDORA TOWNSHIP - WAKARUSA JUNCTION		
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.4	4.45%	SWITCHING STATION 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
E	18SP	WEDE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.4	4.45%	EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 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							EUDORA TOWNSHIP - WAKARUSA JUNCTION		·
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.4	4.45%	SWITCHING STATION 115KV CKT 1 EUDORA TOWNSHIP - WAKARUSA JUNCTION	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	104.4	4.45%	SWITCHING STATION 115KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.4	4.45%	EUDORA TOWNSHIP - WAKARUSA JUNCTION SWITCHING STATION 115KV 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	104.3	4.43%	ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
<u> </u>	1001	VVLICE	VVEICE	HOTE GETTIEF ENERGY GENTER GROW GIRT	104.0	4.4070		latan demoy Energy demoi d-to kv raker	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	104.3	4.43%	ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER 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	104.3	4.43%	ABILENE ENERGY CENTER 115/34.5KV TRANSFORMER CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
							ABILENE ENERGY CENTER 115/34.5KV		
5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3	4.43%	TRANSFORMER CKT 1 ABILENE ENERGY CENTER 115/34.5KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
<u>5</u>	18SP 18SP		WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.3 104.0	4.43% 4.43%	TRANSFORMER CKT 1 BASE CASE	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
5	18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.0	4.43%	BASE CASE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
<u>5</u> 5	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	104.0 104.0	4.43% 4.43%	BASE CASE BASE CASE	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	104.0	4.43%	BASE CASE EVANS ENERGY CENTER NORTH - SEDGWICK	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	103.7	4.41%	COUNTY NO. 12 COLWICH 138KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
							EVANS ENERGY CENTER NORTH - SEDGWICK		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	103.7	4.41%	COUNTY NO. 12 COLWICH 138KV CKT 1 EVANS ENERGY CENTER NORTH - SEDGWICK	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.7	4.41%	COUNTY NO. 12 COLWICH 138KV 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	103.7	4.41%	EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.7	4.41%	EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	18SP				. 55.1	4.41%		latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
	1001	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6	7.7170	MCCREDIE - THOMAS HILL 345KV CKT 1	latan - Jenney Energy Center 343 kV 10401	
								- 	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	18SP 18SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6	4.41% 4.41%	MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV 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
5 5 5	18SP 18SP 18SP	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	103.6 103.6 103.6	4.41% 4.41% 4.41%	MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV CKT 1 MCCREDIE - THOMAS HILL 345KV 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
5 5 5 5	18SP 18SP 18SP 18SP	WERE WERE WERE	WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL	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 18SP 18SP	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	103.6 103.6 103.6	4.41% 4.41% 4.41%	MCCREDIE - THOMAS HILL 345KV 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
5 5 5 5	18SP 18SP 18SP 18SP	WERE WERE WERE WERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL	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 18SP 18SP 18SP	WERE WERE WERE WERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 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	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 5	18SP 18SP 18SP 18SP	WERE WERE WERE WERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 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	18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE	WERE WERE WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 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 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	18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE	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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.41% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 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	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	18SP 18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE	WERE WERE 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.44% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL	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 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
5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE	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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.6	4.41% 4.41% 4.41% 4.44% 4.44% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV 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 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 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 Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
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5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE WERE	WERE WERE WERE 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.5 103.5	4.41% 4.41% 4.41% 4.41% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV 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 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV KACP Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN 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 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
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5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE WERE	WERE WERE WERE 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.5 103.5	4.41% 4.41% 4.41% 4.41% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV 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 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV KACP Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN 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 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 41.2 miles of new 345 kV Indeterminate
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	WERE WERE WERE WERE WERE WERE WERE WERE	WERE WERE WERE 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 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.6 103.5 103.5 103.5	4.41% 4.41% 4.41% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44% 4.44%	MCCREDIE - THOMAS HILL 345KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV 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 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 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 AMRN 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 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 Indeterminate

		T	<u> </u>						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	102.6	4.53%	ROSE HILL - WOLF 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	18SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.6	4.53%	ROSE HILL - WOLF CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5 5	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	102.6 102.6	4.53% 4.53%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 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	101.6	4.32%	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 5	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.6 101.6	4.32% 4.32%	LACYGNE - NEOSHO 345KV CKT 1 LACYGNE - NEOSHO 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 5	18SP 18SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	101.6 101.6	4.32% 4.32%	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							AUBURN ROAD - JEFFREY ENERGY CENTER 230KV		
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	123.6	3.23%	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
	0000	WEDE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	400.0	2 220/	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	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	23SP			HOTT - JEFFRET ENERGT CENTER 345KV CKT T	123.6	3.23%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV		· ·
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	123.6	3.23%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	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	123.6	3.23%	CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	123.6	3.23%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV 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	122.1	4.00%	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
	0000	WEDE	WEDE	LIOVE IEEEDEVENEDOVOENTED OASKVOKE A	400.4	4.000/	OMIOOVALE WEST CARRAGE ASSAULONT A	LIOVE IEEEDEVENEDOV OENTED OAEKVOIZE A	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	122.1 122.1	4.00% 4.00%	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 5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	122.1 122.1	4.00% 4.00%	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
3							EMPORIA ENERGY CENTER - SWISSVALE 345KV		
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	3.73%	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
_	23SP	WEDE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	3.73%	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
3							EMPORIA ENERGY CENTER - SWISSVALE 345KV		<u> </u>
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	3.73%	CKT 1 EMPORIA ENERGY CENTER - SWISSVALE 345KV	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	120.7	3.73%	CKT 1	Lacygne - Mariosa 345KV AMRN	Indeterminate
5	23SP	WERE		HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	120.7	3.73%	EMPORIA ENERGY CENTER - SWISSVALE 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	109.7	3.07%	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
_			===				000 45000 00	LIOVE DEFENSIVENCE OF SERVICE A	JEC (Station 1) substation will include removal of 345kV carrier equipment and installation of new fiber optic relay
5 5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.7 109.7	3.07% 3.07%	SPP-AEPW-32 SPP-AEPW-32	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 5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.7 109.7	3.07% 3.07%	SPP-AEPW-32 SPP-AEPW-32	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	109.4	3.06%	SPP-WERE-85	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
<u>5</u>	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.4 109.4	3.06% 3.06%	SPP-WERE-85 SPP-WERE-85	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	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.4	3.06%	SPP-WERE-85	Lacygne - Mariosa 345KV AMRN	Indeterminate
5 5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	109.4 105.8	3.06% 3.12%	SPP-WERE-85 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
								, , , , , , , , , , , , , , , , , , ,	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	23SP		WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.8	3.12%	BENTON - WOLF CREEK 345KV CKT 1	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	panels. Substation
<u>5</u>	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.8 105.8	3.12% 3.12%	BENTON - WOLF CREEK 345KV CKT 1 BENTON - 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	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.8	3.12%	BENTON - WOLF CREEK 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	105.6	3.04%	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
5	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.6	3.04%	ROSE HILL - WOLF 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	23SP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.6	3.04%	ROSE HILL - WOLF CREEK 345KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
5	23SP 23SP	WERE WERE	WERE WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	105.6 105.6	3.04% 3.04%	ROSE HILL - WOLF CREEK 345KV CKT 1 ROSE HILL - WOLF CREEK 345KV CKT 1	Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Indeterminate Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5	23WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	100.6	4.10%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV
	20111		WENT	THE TENENT SERVICE SERVICES	100.0			and the second of the second o	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire. Substation work at
5	23WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	100.6	4.10%	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	23WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	100.6	4.10%	AUBURN ROAD - JEFFREY ENERGY CENTER 230KV CKT 1	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV
_							AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	, ,	
5	23WP	WERE	WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	100.6	4.10%	CKT 1 AUBURN ROAD - JEFFREY ENERGY CENTER 230KV	Lacygne - Mariosa 345KV AMRN	Indeterminate
5 5	23WP 23SP	WERE OKGE	WERE OKGE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 KINZE - MCELROY 138KV CKT 1	100.6 106.2	4.10% 3.01%	CKT 1 CLEVELAND - SOONER 345KV CKT 1	Lacygne - Mariosa 345KV KACP KINZE - MCELROY 138KV CKT 1	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Rebuild 1.97 miles
								KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	
5	18SP	AEPW	AEPW	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	106.6	30.29%	EASTON REC - PIRKEY 138KV CKT 1	Accelerate KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	Rebuild 5.5 miles with 1533.3 ACSR/TW
5	18SP	AEPW	AEPW	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	105.5	30.29%	EASTON REC - KNOX LEE 138KV CKT 1	Accelerate	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
5	18SP	AEPW	AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1	111.0	14.88%	LONGWOOD - NORAM 138KV CKT 1	Messick 500/230 kV Transformer Ckt 1	MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.
5	18SP	AEPW	AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1	110.4	14.88%	NORAM - RAINES 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.
_	18SP	AEPW	AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1		14.88%	ARSENAL HILL - RAINES 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			ALPVV	LIEBERIVIAIN - LOINGWOOD 130KV CKT I	1052			Messick 300/230 kV Hansionner Ckt i	Build Messick 500/230 kV station. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675
					105.3				
5	18SP		AEPW	LONGWOOD - NORAM 138KV CKT 1	105.3	23.82%	SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1	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		AEPW	AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1				Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1	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	18SP	AEPW		LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1	121.2	23.82%	SPP-AEPW-05		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	18SP	AEPW AEPW AEPW	AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1	121.2 108.1 101.3	23.82% 21.55% 7.15%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1	Messick 500/230 kV Transformer Ckt 1	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
5 5 5	18SP 18SP 18SP	AEPW AEPW AEPW	AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	121.2 108.1 101.3 103.6	23.82% 21.55% 7.15% 33.49%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1	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	18SP 18SP 18SP 18SP	AEPW AEPW AEPW AEPW	AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8	23.82% 21.55% 7.15% 33.49% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub
5 5 5 5 5	18SP 18SP 18SP	AEPW AEPW AEPW AEPW	AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	121.2 108.1 101.3 103.6	23.82% 21.55% 7.15% 33.49% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1	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	18SP 18SP 18SP 18SP	AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8	23.82% 21.55% 7.15% 33.49% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18WP	AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8	23.82% 21.55% 7.15% 33.49% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18WP 18WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1 LYDIA - VALLIANT 345KV CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO Indeterminate
5 5 5	18SP 18SP 18SP 18SP 18WP 18WP 18WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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
5 5 5 5 5 5 5 5	18SP 18SP 18SP 18SP 18WP 18WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1 LYDIA - VALLIANT 345KV CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN	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	18SP 18SP 18SP 18SP 18WP 18WP 18WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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
5 5 5	18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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
5 5 5 5 5	18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 23WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8 117.8 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33% 42.33% 42.33% 15.87%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE ADABELL - VBI 161KV CKT 1	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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 Replace existing 800 amp wave trap with 1200 amp in VBI sub
5 5 5 5 5 5	18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 23WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8 117.8 117.8 117.8 117.8 117.7 105.7	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33% 42.33% 15.87%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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 Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5 5 5 5	18SP 18SP 18SP 18SP 18WP 18WP 18WP 18WP 18WP 18WP 23WP	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	AEPW AEPW AEPW AEPW AEPW AEPW AEPW AEPW	LONGWOOD - NORAM 138KV CKT 1 LONGWOOD - OAK PAN-HARR REC 138KV CKT 1 LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1 LYDIA - VALLIANT 345KV CKT 1	121.2 108.1 101.3 103.6 117.8 117.8 117.8 117.8 117.8 117.8 117.8	23.82% 21.55% 7.15% 33.49% 42.33% 42.33% 42.33% 42.33% 42.33% 15.87%	SPP-AEPW-05 LIEBERMAN - LONGWOOD 138KV CKT 1 SPP-AEPW-05 SPP-AEPW-05 NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 Messick 500/230 kV Transformer Ckt 1 ADABELL - VBI 161KV CKT 1 Lacygne - Mariosa 345KV KACP Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE ADABELL - VBI 161KV CKT 1	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. Replace existing 800 amp wave trap with 1200 amp in VBI sub Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa Build 500/345 kV Transformer at ANO 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 Replace existing 800 amp wave trap with 1200 amp in VBI sub

5									
5	23WP	AEPW	AEPW	LYDIA - VALLIANT 345KV CKT 1	105.7	15.87%	NORTHWEST TEXARKANA - VALLIANT 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		AEPW	LYDIA - VALLIANT 345KV CKT 1	105.7	15.87%	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES	Indeterminate
5									
5	23WP 23SP	AEPW WERE	AEPW WERE	LYDIA - VALLIANT 345KV CKT 1 MAIZE - MAIZEE 4 138.00 138KV CKT 1	105.7 104.8	15.87% 4.33%	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1 BENTON - WICHITA 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE Viola - Rose Hill 345 kV	Build 73 miles of 345kV line Build new 35 mile line from Viola to Rose Hill 345 kV
5	23SP	WERE		MAIZE - MAIZEE 4 138.00 138KV CKT 1	104.8	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
<u>5</u>	23SP 23SP	WERE WERE	WERE WERE	MAIZE - MAIZEE 4 138.00 138KV CKT 1 MAIZE - MAIZEE 4 138.00 138KV CKT 1	104.8 104.8	4.33% 4.33%	BENTON - WICHITA 345KV CKT 1 BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1 Viola 345/138kV Transformer Ckt 1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation. Install new 345/138 kV transformer at Viola substation
5	23SP		WERE	MAIZE - MAIZEW 4 138.00 138KV CKT 1	108.7	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
5	23SP	WERE	WERE	MAIZE - MAIZEW 4 138.00 138KV CKT 1	108.7	4.33%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.
<u>5</u>	23SP 23SP	WERE WERE	WERE WERE	MAIZE - MAIZEW 4 138.00 138KV CKT 1 MAIZE - MAIZEW 4 138.00 138KV CKT 1	108.7 108.7	4.33% 4.33%	BENTON - WICHITA 345KV CKT 1 BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1 Viola 345/138kV Transformer Ckt 1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation. Install new 345/138 kV transformer at Viola substation
5	18SP 23WP	SUNC WERE	SUNC EMDE	MULLERGREN - SPEARVILLE 230KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.1 108.0	3.48% 4.13%	POST ROCK - SPEARVILLE 345KV CKT 1 BLACKBERRY - NEOSHO 345KV CKT 1	MULLERGREN - SPEARVILLE 230KV CKT 1 ADABELL - VBI 161KV CKT 1	Rebuild 65 miles Replace existing 800 amp wave trap with 1200 amp in VBI sub
5	23WP	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.0	4.13%	BLACKBERRY - NEOSHO 345KV CKT 1	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa
5 5	23WP 23WP	WERE WERE	EMDE EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.0 108.0	4.13% 4.13%	BLACKBERRY - NEOSHO 345KV CKT 1 BLACKBERRY - NEOSHO 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN	Build 500/345 kV Transformer at ANO Indeterminate
<u>5</u>	23WP 23WP	WERE WERE	EMDE EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.0 108.0	4.13% 4.13%	BLACKBERRY - NEOSHO 345KV CKT 1 BLACKBERRY - NEOSHO 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	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	108.0	4.13%	BLACKBERRY - NEOSHO 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	23WP 23WP	WERE WERE	EMDE EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.0 105.0	3.44% 3.44%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - BLACKBERRY 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
<u>5</u>	23WP 23WP	WERE WERE	EMDE EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.0 105.0	3.44% 3.44%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Arkansas Nuclear One 500/345 Transformer Lacygne - Mariosa 345KV AMRN	Build 500/345 kV Transformer at ANO Indeterminate
5	23WP 23WP	WERE WERE	EMDE EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.0 105.0	3.44% 3.44%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 7JASPER 345.00 - BLACKBERRY 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	WERE	EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1	105.0	3.44%	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line
5	18SP	AEPW	AEPW	NORAM - RAINES 138KV CKT 1	120.1	23.82%	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	NORAM - RAINES 138KV CKT 1	106.9	21.55%	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.
-				NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV				NORTH NEW BOSTON - NW TEXARKANA-BANN T	
5	18SP 18SP	OKGE	AEPW OKGE	CKT 1 PARK LANE - SEMINOLE 138KV CKT 1	110.6 102.2	3.94% 3.37%	PATTERSON - SOUTH FOREMAN REC 138KV CKT 1 PITTSBURG - SEMINOLE 345KV CKT 1	138KV CKT 1 Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Rebuild 14.19 miles to 1533.6 ACSR/TW 54/19 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	18SP 18SP	OKGE OKGE	OKGE OKGE	PARK LANE - SEMINOLE 138KV CKT 1 PARK LANE - SEMINOLE 138KV CKT 1	102.2 102.2	3.37% 3.37%	PITTSBURG - SEMINOLE 345KV CKT 1 PITTSBURG - SEMINOLE 345KV CKT 1	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
5	18SP 18SP	OKGE OKGE	OKGE OKGE	PARK LANE - SEMINOLE 138KV CKT 1 PARK LANE - SEMINOLE 138KV CKT 1	102.2 102.2	3.37% 3.37%	PITTSBURG - SEMINOLE 345KV CKT 1 PITTSBURG - SEMINOLE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5	23SP	AEPW		PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	103.3	3.30%	4REMNGTON 138.00 - FAIRFAX 138KV CKT 1	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	Rebuild 5.98
5	14WP	GMO	GMO	PECULIAR - PLEASANT HILL 345KV CKT 1	114.5	3.79%	EASTOWN7 345.00 - IATAN 345KV CKT 1	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from latan to Nashua,Add Nashua 345/161 kV
5	14WP	GMO	GMO	PECULIAR - PLEASANT HILL 345KV CKT 1	101.8	3.50%	HAWTHORN - ST JOE 345KV CKT 1	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from latan to Nashua,Add Nashua 345/161 kV
5	18WP 18WP	OKGE OKGE	AEPW AEPW	PITTSBURG - SEMINOLE 345KV CKT 1	101.2	21.09%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI ADABELL - VBI 161KV 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
5	18WP	OKGE	AEPW	PITTSBURG - SEMINOLE 345KV CKT 1 PITTSBURG - SEMINOLE 345KV CKT 1	101.2 101.2	21.09%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1 CANADIAN RIVER - MUSKOGEE 345KV 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
<u>5</u> 5	18WP 18WP	OKGE OKGE	AEPW AEPW	PITTSBURG - SEMINOLE 345KV CKT 1 PITTSBURG - SEMINOLE 345KV CKT 1	101.2 101.2	21.09% 21.09%	CANADIAN RIVER - MUSKOGEE 345KV CKT 1 CANADIAN RIVER - MUSKOGEE 345KV CKT 1	VBI - Arkansas Nuclear One 345kV EES VBI - Arkansas Nuclear One 345kV OKGE	Indeterminate Build 73 miles of 345kV line
5 5	18WP 18WP	AEPW AEPW	AEPW AEPW	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	111.7 111.3	35.91% 33.94%	HUGO - SUNNYSIDE 345KV CKT 1 HUGO - VALLIANT 345KV CKT 1	PITTSBURG - VALLIANT 345KV CKT 1 PITTSBURG - VALLIANT 345KV CKT 1	Replace wavetrap and associated equipment at Pittsburg Replace wavetrap and associated equipment at Pittsburg
5	14WP	OKGE	OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	113.8	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
5	14WP	OKGE	OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	113.8	6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
<u>5</u>	14WP 14WP	OKGE OKGE	OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	113.8 113.8	6.72% 6.72%	NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP 18SP	OKGE OKGE	OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	128.4 128.4	6.50% 6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron.
5									Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5 5	18SP 18SP	OKGE OKGE	OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	128.4 128.4	6.50% 6.50%	NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5	18SP	OKGE	OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	111.8	6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
	18SP						TATONGA7 345.00 - WOODWARD DISTRICT EHV	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
5	185P	OKGE		ROMAN NOSE - SOUTHARD 138KV CKT 1	111.8	6.50%	345KV CKT 1 TATONGA7 345.00 - WOODWARD DISTRICT EHV		Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5				ROMAN NOSE - SOUTHARD 138KV CKT 1	111.8	6.50%	345KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
	18SP	OKGE	OKGE			0.5070	TATONGA7 345.00 - WOODWARD DISTRICT EHV		<u> </u>
5 5	18SP	OKGE	OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	111.8 108.9	6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5 5 5			OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	111.8 108.9 108.9		TATONGA7 345.00 - WOODWARD DISTRICT EHV	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5	18SP 18SP 18SP	OKGE OKGE OKGE	OKGE OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9	6.50% 5.08% 5.08% 5.08%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5 5 5 5 5	18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 108.9 101.9	6.50% 5.08% 5.08% 5.08% 5.08% 5.38%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line.
5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 108.9	6.50% 5.08% 5.08% 5.08% 5.08%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
5 5 5 5 5 5	18SP 18SP 18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 108.9 101.9 101.9	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 101.9 106.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line.
5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 101.9 106.3 106.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest -
5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 101.9 106.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron.
5 5 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 101.9 106.3 106.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.
5 5 5 5 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1	108.9 108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 3.30%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles
5 5 5 5 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 104.6	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 3.30%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 REMNGTON 138.00 - FAIRFAX 138KV CKT 1 NEW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11
5 5 5 5 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 106.3 104.6	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62% 21.76%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 REMNGTON 138.00 - FAIRFAX 138KV CKT 1 NEW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles Add Second 138 kV line
5 5 5 5 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 104.6	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 REMNGTON 138.00 - FAIRFAX 138KV CKT 1 NEW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles Add Second 138 kV line Add Second 138 kV line Add Second 138 kV line 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 5 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHWEST - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 104.6 100.9 132.3 115.2 112.7 108.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62% 21.76% 6.52%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 REW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Idatan - Jeffrey Energy Center 345 kV KACP	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles Add Second 138 kV line Add Second 138 kV line Add Second 138 kV line 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	18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 104.6	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62% 21.76% 6.52%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 REMNGTON 138.00 - FAIRFAX 138KV CKT 1 NEW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Iatan - Jeffrey Energy Center 345 kV KACP	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles Add Second 138 kV line Add Second 138 kV line Add Second 138 kV line 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 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWEST - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 106.3 108.3 108.3 115.2 112.7 108.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 21.00% 20.62% 21.76% 6.52% 6.52% 6.52% 6.52%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 REW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Iatan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 Iatan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 16 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 2.9 miles Add Second 138 kV line Add Second 138 kV line Add Second 138 kV line 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 5 5 5 5 5 5 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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 106.3 108.3 115.2 112.7 108.3 108.3 108.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62% 21.76% 6.52% 6.52% 6.52%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 NEW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Iatan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 16 mile 345 kV lines from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Rebuild 16.11 Rebuild 19.9 miles Add Second 138 kV line Add Second 138 kV line 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 crire requipment and installation of new fiber optic relay panels. Substation Build 345 kV miles of new 345 kV Indeterminate Build approximately 181 miles of new 345 kV Rebuild t
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 OKGE	ROMAN NOSE - SOUTHARD 138KV CKT 1 SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1	108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 106.3 108.3 108.3 115.2 112.7 108.3 108.3 108.3 108.3 108.3	6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 3.30% 13.68% 21.00% 20.62% 21.76% 6.52% 6.52% 6.52% 5.16%	TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 REW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 WRTOD400	Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Idaan - Jeffrey Energy Center 345 kV KACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 Iatan - Jeffrey Energy Center 345 kV KACP Iatan - Jeffrey Energy Center 345 kV KACP	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile Tatonga - Mathewson 345 kV line. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. Build new 61 mile 345 kV line from Mathweson 345 kV line. Build new 61 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build new 16 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Build 10 mew 10 mile 345 kV line from Mathweson to Cimarron and the existing Northwest - Tatonga 345 kV lines. Rebuild 10 mew 10 mile 345 kV line
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5 5 <t< td=""><td>18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP</td><td>OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE</td><td>OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE</td><td>ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1</td><td>108.9 108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 106.3 108.3 108.3 115.2 112.7 108.3 108.3 108.3 108.3 108.3 108.3 108.3 104.8 104.8 104.8 104.8 104.8 104.1 104.1 104.1 104.1 104.1 104.1 104.1 104.1 104.1 104.1</td><td>6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 21.00% 20.62% 21.76% 6.52% 6.52% 6.52% 6.52% 5.16% 5.16% 5.16% 5.16% 5.16% 5.14% 5.14% 5.14% 5.14% 5.14% 5.14%</td><td>TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 REW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 WRTOD400 WRTOD400 WRTOD400 WRTOD400 WRTOD400 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1</td><td>Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Iatan - 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 AMRN Lacygne - Mariosa 345KV 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 WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP latan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN</td><td>Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. 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5 5 <td< td=""><td>18SP 18SP 18SP 18SP 18SP 18SP 18SP 18SP</td><td>OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE</td><td>OKGE OKGE OKGE OKGE OKGE OKGE OKGE OKGE</td><td>ROMAN NOSE - SOUTHARD 138KV CKT 1 ROMAN NOSE - SOUTHARD 138KV CKT 1 SOUTHARD 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 1 SWISSVALE - WEST GARDNER 345KV CKT 1</td><td>108.9 108.9 108.9 108.9 101.9 101.9 101.9 106.3 106.3 106.3 106.3 104.6 100.9 132.3 115.2 112.7 108.3 108.3 108.3 108.3 108.3 104.8 104.8 104.8 104.8 104.8 104.1</td><td>6.50% 5.08% 5.08% 5.08% 5.08% 5.38% 5.38% 5.38% 6.50% 6.50% 6.50% 6.50% 21.76% 6.52% 6.52% 6.52% 6.52% 5.16% 5.16% 5.16% 5.16% 5.14% 5.14% 5.14% 5.14% 5.14%</td><td>TATONGA7 345.00 - WOODWARD DISTRICT EHV 345KV CKT 1 BASE CASE BASE CASE BASE CASE BASE CASE BASE CASE DEWEY - TALOGA 138KV CKT 1 NORTHWEST - TATONGA7 345.00 345KV CKT 1 AREMNGTON 138.00 - FAIRFAX 138KV CKT 1 REW PROSPEST - ROCK HILL 138KV CKT 1 BASE CASE ANADARKO - GRACMNT4 138.00 138KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1 WRTOD400 WRTOD400 WRTOD400 WRTOD400 HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 HOYT - STRANGER CREEK 345KV CKT 1</td><td>Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate Mathewson - Tatonga 345 kV Ckt 2 Accelerate Cimarron - Mathewson 345 kV Ckt 1 Accelerate Mathewson 345 kV Accelerate Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate SHIDLER - WEST PAWHUSKA 138KV CKT 1 SOUTHWEST SHREVEPORT - WESTERN ELECTRIC T 138KV CKT 1 SOUTHWESTERN STATION - WASHITA 138KV CKT 2 Iatan - Jeffrey Energy Center 345 kV WACP HOYT - JEFFREY ENERGY CENTER 345KV CKT 1 Iatan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP Iatan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV KACP Iatan - Jeffrey Energy Center 345 kV WERE Lacygne - Mariosa 345KV AMRN Lacygne - Mariosa 345KV AMRN</td><td>Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line. 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				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	14WP	WERE	WERE	1	108.9	4.84%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT	-				
5	14WP	WERE	WERE	1	108.9	4.84%	BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT	-				
5	14WP	WERE	WERE	1	108.9	4.84%	BENTON - WICHITA 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					
5	18WP	WERE	WERE	1	107.0	4.79%	BENTON - WICHITA 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	18WP	WERE	WERE	1	107.0	4.79%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					
5	18WP	WERE	WERE	1	107.0	4.79%	BENTON - WICHITA 345KV CKT 1	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					
5	18WP	WERE	WERE	1	107.0	4.79%	BENTON - WICHITA 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
				WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT					
5	23WP	WERE	WERE	1	106.1	3.84%	BENTON - WICHITA 345KV CKT 1	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV
_	0014/5	===	===	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT			DENTON MUCHTA CATIONOLETA	V. 1 01 4001V 0144	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV
5	23WP	WERE	WERE	1	106.1	3.84%	BENTON - WICHITA 345KV CKT 1	Viola - Clearwater 138kV Ckt1	substation.
_	00)4/D	I WEDE	WERE	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT	106.1	3.84%	DENITON MUCHTA CASIO COLT A	Viola - Gill 138kV Ckt1	Duild now 420kV line between now Viele out station 245/420 kV transformer and existing Cill 420 kV out station
5	23WP	WERE	WERE	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT		3.84%	BENTON - WICHITA 345KV CKT 1	VIOIA - GIII 138KV CRT1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation
5	23WP	WEDE	WERE	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT	106.1	3.84%	BENTON - WICHITA 345KV CKT 1	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation
	2300	VVLINE	VVLIXL	WOODWARD (WOODWRD2) 138/69/13.2KV	100.1	3.04 /6	BENTON - WICHITA 343RV CRT 1	VIOIA 343/130KV TIANSIONNEI CKL I	Install New 343/130 KV transformer at viola substation
5	18SP	OKGE	OKGE	TRANSFORMER CKT 1	110.4	6.35%	FPL SWITCH - MOORELAND 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
	1001	ONOL	OROL	WOODWARD (WOODWRD2) 138/69/13.2KV	110.4	0.5570	THE OWN ON PRODUCE AND TOOK ORT	Mathewson Tatoriga 646 KV CKt 2 Noccionate	Build flow of fillio ratoriga Wathewson one KV line.
5	18SP	OKGE	OKGE	TRANSFORMER CKT 1	110.4	6.35%	FPL SWITCH - MOORELAND 138KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
		0.102	0	WOODWARD (WOODWRD2) 138/69/13.2KV	1.0	0.0070			Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwe
5	18SP	OKGE	OKGE	TRANSFORMER CKT 1	110.4	6.35%	FPL SWITCH - MOORELAND 138KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
	1007			WOODWARD (WOODWRD2) 138/69/13.2KV		0.0070			Janes Garage and the second se
5	18SP	OKGE	OKGE	TRANSFORMER CKT 1	110.4	6.35%	FPL SWITCH - MOORELAND 138KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.
				WOODWARD (WOODWRD2) 138/69/13.2KV					Ť
5	18WP	OKGE	OKGE	TRANSFORMER CKT 1	109.7	6.41%	FPL SWITCH - MOORELAND 138KV CKT 1	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.
				WOODWARD (WOODWRD2) 138/69/13.2KV					
5	18WP	OKGE	OKGE	TRANSFORMER CKT 1	109.7	6.41%	FPL SWITCH - MOORELAND 138KV CKT 1	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.
<u> </u>				WOODWARD (WOODWRD2) 138/69/13.2KV					Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwe
5	18WP	OKGE	OKGE	TRANSFORMER CKT 1	109.7	6.41%	FPL SWITCH - MOORELAND 138KV CKT 1	Mathewson 345 kV Accelerate	Tatonga 345 kV lines.
				WOODWARD (WOODWRD2) 138/69/13.2KV					
5	18WP	OKGE	OKGE	TRANSFORMER CKT 1	109.7	6.41%	FPL SWITCH - MOORELAND 138KV CKT 1	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.

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
	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 Panding Projects.	he requested service is contingent upon completion of the following upgrades. Cost is	e not assignable to the transmission customer
Construction Penaina Projects -	he requested service is continuent upon completion of the following updrages. Cost is	S not assignable to the transmission customer.

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)		Engineering ruction Cost
	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
	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
	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1 Accelerate	Rebuild 5.5 miles with 1533.3 ACSR/TW	6/1/2015	6/1/2018	\$	7,150,000
	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
	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	Rebuild 5.98	6/1/2015	6/1/2018	\$	4,544,800
	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
	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	 	12,000,000
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	Iatan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV	10/1/2014	6/1/2019	\$	14,089,880
	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kV from KCPL Lacygne - AMRN Mariosa	10/1/2014	6/1/2019	\$	275,120,000
	MULLERGREN - SPEARVILLE 230KV CKT 1	Rebuild 65 miles	10/1/2014	6/1/2019	Ψ	36,107,610
	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit	10/1/2014	6/1/2019	Φ Φ	96,288,750
OKGE	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub	10/1/2014	6/1/2016	Φ Φ	150,000
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	, , , ,	10/1/2014	6/1/2016	Φ	,
		Increase capacity of Draper Lake CT and Cimarron wave trap			Φ	150,000
OKGE OKGE	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathweson to Cimarron.	10/1/2014	6/1/2015	\$	32,780,617
	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
	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
	HAMMETT TAP - HORSESHOE LAKE 138KV CKT 1	Rebuild 6.03 miles	6/1/2019	6/1/2019	\$	4,944,600
OKGE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.	10/1/2014	6/1/2015	\$	82,139,900
OKGE	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.	10/1/2014	6/1/2015	\$	20,169,602
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	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.	10/1/2014	6/1/2015	\$	71,876,622
OKGE	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line	10/1/2014	6/1/2019	\$	119,355,000
	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2016	\$	1,575,000
	CHISHOLM - MAIZE 138KV CKT 1 #1	Rebuild 7.25 miles	6/1/2015	6/1/2017	\$	7,141,250
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2016	\$	1,575,000
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Rebuild 4.8 miles		6/1/2017	T	
WEKE	EVANS ENERGY CENTER NORTH - WAIZE 130NV CRT 1 #2		6/1/2015	6/1/2017	\$	4,728,000
		Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield				
WEDE	LIOVE JEEEDEV ENEDOV OENTED CASIVA OVE A	wire. Substation work at JEC (Station 1) substation will include removal of 345kV carrier	40/4/0044	0/4/0047		40,000,444
	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
	latan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV	10/1/2014	6/1/2019	\$	128,776,067
WERE	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV	10/1/2014	6/1/2019	\$	68,950,000
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019	\$	225,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT	10/1/2014	6/1/2016	\$	225,000
WFEC	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line	10/1/2014	6/1/2017	\$	2,260,00

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

Transmission Owner	Opgrade		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
		Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle		
ITCGP	Line - Clark County - Thistle 345 kV dbl Ckt	345 kV substation to the new Clark County substation. Build a new 345 kV substation at	10/1/2014	1/1/2015
		Build a new 36 mile double circuit 345 kV line with at least 3000 A capacity from the		
ITCGP	Line - Spearville - Clark County 345 kV dbl Ckt	Spearville substation to the new Clark County substation. Build the Clark County 345 kV	10/1/2014	1/1/2015
ITCGP	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation.	10/1/2014	1/1/2015
		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
		Build a new 79 mile double circuit 345 kV line with at least 3000 A capacity from the		
OKGE	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	Woodward District EHV substation to the Kansas/Oklahoma state border towards the	10/1/2014	1/1/2015
		Build a new 78 mile double circuit 345 kV line with at least 3000 A capacity from the		
PW	Line - Thistle - Wichita 345 kV dbl Ckt PW	Wichita substation to the new Thistle 345 kV substation.	10/1/2014	1/1/2015
		Build a new 30 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle		
PW	Line - Thistle - Woodward 345 kV dbl Ckt PW	substation to the Kansas/Oklahoma state border towards the Woodward District EHV	10/1/2014	1/1/2015
		Upgrade the Wichita substation with the necessary breakers and terminal equipment to		
WERE	Line - Thistle - Wichita 345 kV dbl Ckt WERE	accommodate two new 345 kV circuits from the new Thistle 345 kV substation	10/1/2014	1/1/2015

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)
AEPW	ELK CITY - RED HILLS WIND 138KV CKT 1	Rebuild 34.62 miles	10/1/2014	10/1/2017
NPPD	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).	10/1/2014	1/1/2018
		Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).	10/1/2014	1/1/2018
NPPD	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.	10/1/2014	1/1/2018
OKGE	KINZE - MCELROY 138KV CKT 1	Rebuild 1.97 miles	6/1/2019	6/1/2019
WERE	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation. Build new 138kV line between new Viola substation 345/138 kV transformer and existing	10/1/2014	6/1/2017
WERE	Viola - Gill 138kV Ckt1	Gill 138 kV substation.	10/1/2014	6/1/2017
WERE	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation	10/1/2014	6/1/2017