



# Aggregate Facility Study SPP-2013-AG1-AFS-3

12/10/2013

SPP Engineering, SPP Transmission Service Studies



---

# Table of Contents

---

<b>Table of Contents .....</b>	<b>1</b>
<b>Executive Summary .....</b>	<b>2</b>
<b>Introduction.....</b>	<b>3</b>
<b>Financial Analysis .....</b>	<b>5</b>
<b>Third-Party Facilities .....</b>	<b>6</b>
<b>Study Methodology .....</b>	<b>7</b>
Description .....	7
Model Development.....	7
Transmission Request Modeling.....	8
Transfer Analysis .....	8
Curtailement and Redispatch Evaluation.....	8
<b>Study Results .....</b>	<b>9</b>
Study Analysis Results .....	9
Example A:.....	11
Example B:.....	11
Example C:.....	11
Study Definitions .....	11
<b>Conclusion .....</b>	<b>13</b>
<b>Appendix A .....</b>	<b>14</b>
BASE CASE SETTINGS: .....	14
ACCC CASE SETTINGS:.....	14

## Executive Summary

---

Pursuant to Attachment Z1 of the Southwest Power Pool, Inc. (SPP) Open Access Transmission Tariff (OATT), 3563 MW of long-term transmission service requests have been studied in this Aggregate Facility Study (AFS). The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability, as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z1 is the sharing of costs among Transmission Customers using the same facility. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility.

Attachment Z2 further provides for facility upgrade cost recovery by stating: “Transmission Customers paying Directly Assigned Upgrade Costs for Service Upgrades or that are in excess of the Safe Harbor Cost Limit for Network Upgrades associated with new or changed Designated Resources and Project Sponsors paying Directly Assigned Upgrade Costs for Sponsored Upgrades shall receive revenue credits in accordance with Attachment Z2. Generation Interconnection Customers paying for Network Upgrades shall receive credits for new transmission service using the facility as specified in Attachment Z1.”

- The AFS determined that the total assigned facility upgrade Engineering and Construction (E&C) cost is \$35 million. Additionally, an indeterminate amount of assigned E&C cost for third party facility upgrades are assignable to the customer.
- Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$137million.

To accommodate the requested SPP Transmission Service, third-party facilities must be upgraded when the third-party transmission provider determines that they are constrained. Third-party facilities include both first-tier neighboring facilities outside SPP and Transmission Owner facilities within SPP that are not under the SPP OATT. In this AFS, third-party facilities were identified. Total E&C cost estimates for required third-party facility upgrades are applicable.

SPP will tender a Letter of Intent on December 10, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), SPP must receive from the Customer by December 25, 2013, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to withdraw the request or leave the request in study mode.

At the conclusion of the ATSS, Service Agreements for each request for service will be tendered identifying the terms and conditions of the confirmed service.

If Customers withdraw from the ATSS after posting of this AFS, the AFS will be re-performed to determine final cost allocation and Available Transmission Capability (ATC) in consideration of the

remaining ATSS participants. All allocated revenue requirements for facility upgrades are assigned to the Customer in the AFS data tables. Potential base plan funding allowable is contingent upon validation of designated resources meeting Attachment J, Section III B criteria.

---

## Introduction

---

Important milestones and dates in SPP's Aggregate Transmission Study process:

- In 2005, the Federal Energy Regulatory Commission (FERC) accepted SPP's proposed Aggregate Transmission Study procedures in Docket ER05-109.
- In 2008, in Docket ER08-1379-000 SPP filed with FERC to pair open seasons closing during January 2010 with an effective date of August 9, 2008.
- In January 2010, in Docket ER10-659-000 SPP filed with FERC to extend its current practice of pairing open seasons through January 31, 2011, with an effective date of January 28, 2010.
- In March 2010, in Docket ER10-659-000 FERC issued a letter order accepting SPP's proposal to continue to pair open seasons through January 31, 2011, effective January 28, 2010.
- All requests for long-term transmission service with a signed study agreement received before February 1, 2013 for 2013-AG1 have been included in this first Aggregate Transmission Service Study (ATSS) of 2013.

Approximately 3563 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$35 million in transmission upgrades is proposed. The results of the AFS are detailed in Tables 1 through 6. Detailed results depict individual upgrade costs by study and potential base plan allowances determined by Attachments J and Z1. The [OATT](#) may be accessed at SPP's website by going to [SPP.org>Org Groups>Governing Documents](#).

To understand the extent to which Base Plan Upgrades may be applied to both Point-to-Point (PTP) and Network Transmission Services, it is necessary to highlight the definition of Designated Resource. Per Section 1.9a of the SPP OATT, a Designated Resource is:

“[a]ny designated generation resource owned, purchased or leased by a Transmission Customer to serve load in the SPP Region. Designated Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Transmission Customer's load on a non-interruptible basis.”

Network and PTP service has potential for base plan funding if the conditions for classifying upgrades associated with designated resources as Base Plan Upgrades as defined in Section III.B of Attachment J are met.

Pursuant to Attachment J, Section III B of the SPP OATT, the Transmission Customer must provide SPP information necessary to verify that the new or changed Designated Resource meets the following conditions:

1. Transmission Customer's commitment to the requested new or changed Designated Resource must have a duration of at least five years.
2. During the first year the Designated Resource is planned to be used by the Transmission Customer, the accredited capacity of the Transmission Customer's existing Designated Resources plus the lesser of:
  - a. The planned maximum net dependable capacity applicable to the Transmission Customer or
  - b. The requested capacity; shall not exceed 125% of the Transmission Customer's projected system peak responsibility determined pursuant to SPP Criteria 2.

According to Attachment Z1 Section VI.A, PTP customers pay the higher of the monthly transmission access charge (base rate) or the monthly revenue requirement associated with the assigned facility upgrades, including any prepayments for redispatch required during construction.

Network Integration Service Customers pay the total monthly transmission access charges and the monthly revenue requirement associated with the facility upgrades, including any prepayments for redispatch during construction.

Transmission Customers paying for a directly assigned Network Upgrade shall receive credits for new transmission service using the facility as specified in Attachment Z2.

Facilities identified as limiting the requested Transmission Service have been reviewed to determine the required in-service date of each Network Upgrade. The year that each Network Upgrade is required to accommodate a request is determined by interpolating between the applicable model years given the respective loading data. Both previously assigned facilities and the facilities assigned to this request for Transmission Service were evaluated.

In some instances, due to lead times for engineering and construction, Network Upgrades may not be available when required to accommodate a request for Transmission Service. When this occurs, the ATC with available Network Upgrades will be less than the capacity requested during either a portion of or all of the requested reservation period. As a result, the lowest seasonal allocated ATC within the requested reservation period will be offered to the Transmission Customer on an applicable annual basis as listed in Table 1. The ATC may be limited by transmission owner planned projects, expansion plan projects, or Customer assigned upgrades.

Some constraints identified in the AFS were not assigned to the Customer because SPP, the Transmission Provider, determined that upgrades are not required due to various reasons or the Transmission Owner has construction plans pending for these upgrades. These facilities are listed by reservation in Table 3. This table also includes constrained facilities in the current planning horizon that limit the rollover rights of the Transmission Customer. Table 6 lists possible redispatch pairs to allow start of service prior to completion of assigned Network Upgrades. Table 7 (if applicable) lists

deferment of expansion plan projects with different upgrades with the new required in service date as a result of this AFS.

By taking the transmission service subject to interim redispatch, the Transmission Customer agrees to provide interim redispatch. Once the Transmission Provider identifies the possible redispatch pairs, the Transmission Customer can enter into bilateral agreements to provide redispatch. Should the need to implement redispatch arise in order to maintain Network reliability, it is up to the Transmission Customer to contact parties with whom they have entered into redispatch agreements to implement that service. Such redispatch shall occur in advance of curtailment of other firm reservations impacting these constraints. In the absence of implementation of interim redispatch as requested by the Transmission Provider for Transmission Customer transactions resulting in overloads on limiting facilities, the Transmission Provider shall curtail the Transmission Customers schedule.

---

## Financial Analysis

---

The AFS utilizes the allocated Customer's E&C cost in a present worth analysis to determine the monthly levelized revenue requirement of each facility upgrade over the term of the reservation. In some cases, Network Upgrades cannot be completed within the requested reservation period, thus deferred reservation periods will be utilized in the present worth analysis. If the Customer chose Option 2, Redispatch, in the Letter of Intent sent coincident with the initial AFS, the present worth analysis of revenue requirements will be based on the deferred term with redispatch in the subsequent AFS. The upgrade levelized revenue requirement includes interest, depreciation, and carrying costs.

Each request for Transmission Service is evaluated independently as the cost associated with each Network Upgrade is assigned to a request. When facilities are upgraded throughout the reservation period, the Transmission Customer shall 1) pay the total E&C costs and other annual operating costs associated with the new facilities, and 2) receive credits associated with the depreciated book value of removed usable facilities; salvage value of removed non-usable facilities; and the carrying charges, excluding depreciation, associated with all removed usable facilities based on their respective book values.

In the event that the engineering and construction of a previously assigned Network Upgrade may be accelerated, with no additional upgrades, to accommodate a new request for Transmission Service, the levelized present worth of only the incremental expenses though the reservation period of the new request, excluding depreciation, shall be assigned to the new request. These incremental expenses, excluding depreciation, include:

1. The levelized difference in present worth of the engineering and construction expenses given the change in date to complete construction to account for additional interest expense and reduced engineering and construction expense due to inflation,
2. The levelized present worth of all expediting fees, and

3. The levelized present worth of the incremental annual carrying charges, excluding depreciation and interest, during the new reservation period taking into account both:
  - a. The reservation in which the project was originally assigned, and
  - b. A reservation, if any, in which the project was previously accelerated.

In the case of a Base Plan Upgrade being displaced or deferred by an earlier in service date for a requested upgrade, achievable base plan avoided revenue requirements shall be determined per Attachment J, Section VII.B methodology. A deferred Base Plan Upgrade is defined as a different requested Network Upgrade needed at an earlier date that negates the need for the initial Base Plan Upgrade within the planning horizon. A displaced Base Plan Upgrade is defined as the same Network Upgrade being displaced by a requested upgrade needed at an earlier date.

A 40-year service life assumption is utilized for Base Plan funded projects, unless another assumption is provided by the Transmission Owner. A present worth analysis of revenue requirements on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan revenue requirements due to the displacement or deferral of the Base Plan Upgrade by the Requested Upgrade. The difference in present worth between the Base Plan and Requested Upgrades is assigned to the transmission requests impacting this upgrade based on the displacement or deferral.

---

## **Third-Party Facilities**

---

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, third-party facilities were identified. Total E&C cost estimates for required third-party facility upgrades are applicable. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade E&C cost estimates are not utilized to determine the present worth value of levelized revenue requirements for SPP system Network Upgrades.

All modeled facilities within the Transmission Provider system were monitored during the development of this study, as well as certain facilities in first-tier neighboring systems. Third-party facilities must be upgraded when it is determined that they are overloaded while accommodating the requested Transmission Service. An agreement between the Customer and third party owner detailing the mitigation of the third party impact must be provided to the Transmission Provider prior to tendering of a Transmission Service Agreement. These facilities also include those owned by members of the Transmission Provider who have not placed their facilities under the Transmission Provider's OATT. Upgrades on the Southwest Power Administration network requires prepayment of the upgrade cost prior to construction of the upgrade.

Third-party facilities are evaluated for only those requests whose load sinks within the SPP footprint. The Customer must arrange for study of third party facilities for load that sinks outside the SPP footprint with the applicable Transmission Providers.

---

## Study Methodology

---

### **Description**

The facility study analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier non-SPP control area systems. 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, and all first tier non-SPP control area branches and ties 115 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 first tier non-SPP control area facilities, a 3 % TDF cutoff was applied to AECL, AMRN (Ameren), and ENTR (Entergy) control areas. A 2 % TDF cutoff was applied to WAPA. 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 Development**

SPP used six seasonal models to study the aggregate transfers of 3563 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2013 Cases were used to study the impact of the requested service on the transmission system:

- 2014 Summer Peak (14SP)
- 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. One group of requests was developed from the aggregate of 3563 MW to model the requested service. From the six seasonal models, two system scenarios were developed. Scenario 0 includes projected usage of transmission included in the SPP 2013 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2013 Series Cases.

### **Transmission Request Modeling**

Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation transfers. 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 Transmission System are determined accordingly. Point-To-Point Transmission Service requests are modeled as Generation to Generation transfers. 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 transfers 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 (SPP and 1<sup>st</sup>-Tier) 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.

### **Curtailed and Redispatch Evaluation**

During any period in which SPP determines that a transmission constraint exists on and may impair Transmission System reliability, SPP will take whatever actions are reasonably necessary to maintain reliability. If SPP determines Transmission System reliability can be maintained by redispatching resources, it will evaluate the interim curtailment of existing confirmed service or interim redispatch of units to provide service prior to completion of any assigned Network Upgrades. Any redispatch may not unduly discriminate between the Transmission Owners' use of the Transmission System on behalf of their Native Load Customers and any Transmission Customer's use of the Transmission System to serve its designated load. Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned Network Upgrades. Curtailment of existing confirmed service is evaluated to provide only interim service. Curtailment of existing confirmed service is only evaluated at the request of the transmission Customer.

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit.

Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). Relief pairs from the generation shift factors for the incremental and decremental units with a greater than 3% TDF on the limiting constraint were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. If the aggregate redispatch amount for the potential relief pair was determined to be three times greater than the lower of the increment or decrement, then the pair was determined not to be feasible and is not included. Transmission Customers can request SPP to provide additional relief pairs beyond those determined. The potential relief pairs were not evaluated to determine impacts on limiting facilities in the SPP and first tier systems. The SPP Reliability Coordinator would call upon the redispatch requirements before implementing NERC TLR Level 5a.

The Aggregate Study analyzes the most probable contingencies and does not account for every situation that may be encountered in real-time operation. Because of this, it is possible that the customer may be curtailed under certain system conditions to allow system operators to maintain the reliability of the transmission network.

---

## Study Results

---

### **Study Analysis Results**

Tables 1 through 6 contain the AFS steady-state analysis results. Table 1 identifies the participating long-term Transmission Service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (based on Customer selection of redispatch if available) and the minimum annual allocated ATC without upgrades and season of first impact.

Table 2 identifies total E&C cost allocated to each Transmission Customer, letter of credit requirements, third party E&C cost assignments, potential base plan E&C funding (lower of allocated E&C or Attachment J Section III B criteria), total revenue requirements for assigned upgrades without consideration of potential base plan funding, point-to-point base rate charge, total revenue requirements for assigned upgrades with consideration of potential base plan funding, and final total cost allocation to the Transmission Customer. In addition, Table 2 identifies SWPA upgrade costs which require prepayment in addition to other allocated costs.

Table 3 provides additional details for each request including all assigned facility upgrades required, allocated E&C costs, allocated revenue requirements for upgrades, upgrades not assigned to the Customer but required for service to be confirmed, credits to be paid for previously assigned AFS or Generation Interconnection Network Upgrades, and any required third party upgrades.

Table 4 lists all upgrade requirements with associated solutions needed to provide Transmission Service for the AFS, minimum ATC per upgrade with season of impact, earliest date upgrade is required (DUN), estimated date the upgrade will be completed, in service (EOC), and estimated E&C cost.

Table 5 lists identified third-party constrained facilities.

Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service. MW amounts listed for redispatch are maximum values observed in a long term study and may only be available in a reduced amount or unavailable at any given time.

Table 7 (if applicable) identifies deferred expansion plan projects that were replaced with requested upgrades at earlier dates.

The potential base plan funding allowable is contingent on meeting each of the conditions for classifying upgrades associated with designated resources as Base Plan Upgrades as defined in Section III.B of Attachment J. If the additional capacity of the new or changed Designated Resource exceeds the 125% resource to load forecast for the year of start of service, the requested resource is not eligible for base plan funding of required Network Upgrades and the full cost of the upgrades is assignable to the Customer.

If the request is for wind generation, the total requested capacity of wind generation plus existing wind generation capacity shall not exceed 20% of the customer's projected system peak responsibility in the first year the Designated Resource is planned to be used by the customer. If the five-year term and 125% resource to load criteria are met, (as well as the 20% wind resource to load criteria for wind generation requests) the requested capacity is multiplied by \$180,000 to determine the potential base plan funding allowable. The maximum potential base plan funding allowable may be less than the potential base plan funding allowable, due to the E&C cost allocated to the customer being lower than the potential amount allowable to the Customer. The Customer is responsible for any assigned upgrade costs in excess of potential base plan E&C funding allowable. Network Upgrades required for wind generation requests located in a zone other than the Customer POD shall be allocated as 67% base plan region-wide charge and 33% directly assigned to the Customer.

Regarding application of base plan funding for PTP requests, if PTP base rate exceeds upgrade revenue requirements without taking into effect the reduction of revenue requirements by potential base plan funding, then the base rate revenue pays back the Transmission Owner for upgrades and no base plan funding is applicable as the access charge must be paid as it is the higher of "OR" pricing.

However, if initially the upgrade revenue requirements exceed the PTP base rate, then potential base plan funding would be applicable. The test of the higher of "OR" pricing would then be made against the remaining assignable revenue requirements versus PTP base rate. Examples are as follows:

### **Example A:**

E&C allocated for upgrades is \$74 million with revenue requirements of \$140 million and PTP base rate of \$101 million. Potential base plan funding is \$47 million, with the difference of \$27 million E&C assignable to the Customer. If the revenue requirements for the assignable portion is \$54 million and the PTP base rate is \$101 million, the Customer will pay the higher amount (so-called “or pricing”) of \$101 million base rate of which \$54 million revenue requirements will be paid back to the Transmission Owners for the upgrades, and the remaining revenue requirements of \$86 million (\$140 million less \$54 million) will be paid by base plan funding.

### **Example B:**

E&C allocated for upgrades is \$74 million with revenue requirements of \$140 million and PTP base rate of \$101 million. Potential base plan funding is \$10 million with the difference of \$64 million E&C assignable to the Customer. If the revenue requirements for this assignable portion is \$128 million and the PTP base rate is \$101 million, the Customer will pay the higher amount of \$128 million revenue requirements to be paid back to the Transmission Owners, and the remaining revenue requirements of \$12 million (\$140 million less \$128 million) will be paid by base plan funding.

### **Example C:**

E&C allocated for upgrades is \$25 million with revenue requirements of \$50 million and PTP base rate of \$101 million. Potential base plan funding is \$10 million. Base plan funding is not applicable as the higher amount of PTP base rate of \$101 million must be paid and the \$50 million revenue requirements will be paid from this.

The 125% resource to load determination is performed on a per request basis and is not based on a total of Designated Resource requests per Customer. A footnote will provide the maximum resource designation allowable for base plan funding consideration per Customer basis per year.

Base plan funding verification requires that each Transmission Customer with potential for base plan funding provide SPP attestation statements verifying that the firm capacity of the requested Designated Resource is committed for a minimum five year duration.

## **Study Definitions**

- The date upgrade needed date (DUN) is the earliest date the upgrade is required to alleviate a constraint considering all requests.
- End of construction (EOC) is the estimated date the upgrade will be completed and in service.
- Total engineering and construction cost (E&C) is the upgrade solution cost as determined by the Transmission Owner.

- The Transmission Customer's allocation of the E&C cost is based on the request (1) having an impact of at least 3% on the limiting element, and (2) having a positive impact on the upgraded facility.
- Minimum ATC is the portion of the requested capacity that can be accommodated without upgrading facilities.
- Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

---

## Conclusion

---

The results of the AFS show that limiting constraints exist in many areas of the regional Transmission System. Due to these constraints, Transmission Service cannot be granted unless noted in Table 3.

The Transmission Provider will tender a Letter of Intent on December 10, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer) by December 25, 2013, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated E&C costs assigned to the Customer. This letter of credit is not required for those facilities that are fully base plan funded. The amount of the letter of credit will be adjusted down on an annual basis to reflect cost recovery based on revenue allocation. The Transmission Provider will issue notifications to construct Network Upgrades to the constructing Transmission Owner after filing of necessary service agreements at FERC.

---

## Appendix A

---

### PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

#### BASE CASE SETTINGS:

- Solutions: Fixed slope decoupled Newton-Raphson solution (FDNS)
- Tap adjustment: Stepping
- Area Interchange Control: Tie lines and loads
- Var limits: Apply immediately
- Solution Options:
  - Phase shift adjustment
  - Flat start
  - Lock DC taps
  - Lock switched shunts

#### ACCC CASE SETTINGS:

- Solutions: AC contingency checking (ACCC)
- MW mismatch tolerance: 0.5
- System intact rating: Rate A
- Contingency case rating: Rate B
- Percent of rating: 100
- Output code: Summary
- Min flow change in overload report: 3mw
- Excl'd cases w/ no overloads from 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 (Disabled for generator outages)
- Var limits: Apply immediately
- Solution options:
  - Phase shift adjustment
  - Flat start
  - Lock DC taps
  - Lock switched shunts

**Table 1 - Long-Term Transmission Service Requests Included in Aggregate Facility Study**

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEC	AG1-2013-033	77833561	CSWS	CSWS	3	2/1/2014	2/1/2019	5/1/2014	5/1/2019	5/1/2014	5/1/2019	0	14SP
AEP	AG1-2013-011	77822685	CSWS	CSWS	25	2/1/2014	2/1/2019	5/1/2014	5/1/2019	5/1/2014	5/1/2019	0	14SP
AEP	AG1-2013-012	77822701	CSWS	CSWS	100	6/1/2016	6/1/2021	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	23SP
AEP	AG1-2013-013	77822728	CSWS	CSWS	50	1/1/2016	1/1/2017	6/1/2017	6/1/2018	6/1/2017	6/1/2018	0	23SP
AEP	AG1-2013-014	77822735	CSWS	CSWS	40	6/1/2016	6/1/2019	6/1/2016	6/1/2019	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-022	77824863	MPS	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-023	77824917	AECI	CSWS	200	6/1/2016	6/1/2021	6/1/2017	6/1/2022	6/1/2016	6/1/2021	0	23SP
AEP	AG1-2013-024	77824949	EES	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-025	77825504	AECI	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-026	77825510	AECI	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	6/1/2016	6/1/2018	0	23SP
AEP	AG1-2013-027	77825521	MPS	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	6/1/2016	6/1/2018	0	23SP
AEP	AG1-2013-028	77825525	CSWS	CSWS	40	6/1/2016	6/1/2018	6/1/2016	6/1/2018	6/1/2016	6/1/2018	0	23SP
AEP	AG1-2013-029	77825528	CSWS	CSWS	100	6/1/2016	6/1/2019	6/1/2016	6/1/2019	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-034	77830452	CSWS	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	6/1/2016	6/1/2018	0	23SP
AEP	AG1-2013-035	77830454	CSWS	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	6/1/2016	6/1/2019	0	23SP
AEP	AG1-2013-036	77830575	EES	CSWS	50	12/31/2013	12/31/2018	5/1/2014	5/1/2019	5/1/2014	5/1/2019	0	14SP
AEP	AG1-2013-037	77830722	OKGE	CSWS	100	1/1/2015	1/1/2020	6/1/2017	6/1/2022	1/1/2015	1/1/2020	0	18SP
APM	AG1-2013-004	77754342	AECI	MPS	8	9/1/2014	9/1/2024	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	18SP
AWE	AG1-2013-038	77830753	OKGE	AECI	150	1/1/2014	1/1/2034	6/1/2019	6/1/2039	Note 4	Note 4	0	14SP
AWE	AG1-2013-039	77830863	OKGE	AECI	150	1/1/2014	1/1/2034	6/1/2019	6/1/2039	Note 4	Note 4	0	14SP
AWE	AG1-2013-040	77830900	OKGE	OKGE	150	6/1/2014	6/1/2034	6/1/2019	6/1/2039	Note 4	Note 4	0	14SP
AWE	AG1-2013-041	77830907	OKGE	OKGE	150	6/1/2014	6/1/2034	6/1/2019	6/1/2039	Note 4	Note 4	0	14SP
EAGL	AG1-2013-042	77829695	WR	EES	150	9/1/2014	9/1/2034	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	18SP
KMEA	AG1-2013-030	77825437	WPEK	WPEK	20	1/1/2014	1/1/2019	6/1/2016	6/1/2021	1/1/2015	1/1/2020	0	14SP
LESM	AG1-2013-003	77670009	LES	LES	5	8/1/2013	8/1/2033	5/1/2014	5/1/2034	5/1/2014	5/1/2034	0	14SP
MEAN	AG1-2013-015	77821652	MEC	NPPD	25	8/1/2013	8/1/2018	5/1/2014	5/1/2019	Note 4	Note 4	0	14SP
MEAN	AG1-2013-016	77821664	NPPD	NPPD	15	1/1/2014	1/1/2019	5/1/2014	5/1/2019	Note 4	Note 4	0	14SP
MEAN	AG1-2013-017	77822237	MEC	NPPD	15	8/1/2013	8/1/2018	1/1/2018	1/1/2023	Note 4	Note 4	0	14SP
MEAN	AG1-2013-018	77822257	NPPD	NPPD	5	1/1/2014	1/1/2019	5/1/2014	5/1/2019	Note 4	Note 4	0	14SP
NELI	AG1-2013-021	77822264	MEC	NPPD	5	8/1/2013	8/1/2018	5/1/2014	5/1/2019	Note 4	Note 4	0	14SP
OMPA	AG1-2013-005	77780943	OKGE	OKGE	103	4/1/2015	4/1/2045	4/1/2015	4/1/2045	4/1/2015	4/1/2045	0	18SP
OMPA	AG1-2013-044	77899559	CSWS	OKGE	3	8/1/2013	4/1/2032	5/1/2014	1/1/2033	5/1/2014	1/1/2033	0	14SP
OPPM	AG1-2013-009	77805986	NPPD	OPPD	201	11/1/2013	11/1/2018	10/1/2014	10/1/2019	5/1/2014	5/1/2019	0	14SP
SPRM	AG1-2013-045	77830421	SPRM	SPRM	9	8/1/2013	10/1/2050	5/1/2014	7/1/2051	5/1/2014	7/1/2051	0	14SP
SPSM	AG1-2013-051	77917222	CSWS	SPS	5	6/1/2019	6/1/2032	6/1/2019	6/1/2032	Note 4	Note 4	0	23SP
SPSM	AG1-2013-052	77917219	CSWS	SPS	96	6/1/2019	6/1/2032	6/1/2019	6/1/2032	Note 4	Note 4	0	23SP
WRGS	AG1-2013-046	77828962	WR	EES	106	9/1/2014	5/1/2022	6/1/2019	5/1/2022	6/1/2019	5/1/2022	0	18SP
WRGS	AG1-2013-047	77828986	WR	EES	44	9/1/2014	11/1/2016	6/1/2019 (Note 3)	8/1/2021 (Note 3)	6/1/2019 (Note 3)	8/1/2021 (Note 3)	0	18SP
WRGS	AG1-2013-049	77830017	WR	AECI	20	1/1/2014	1/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
WRGS	AG1-2013-050	77830022	WR	AECI	20	1/1/2014	1/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP

**Note 1:** Start and Stop Dates with interim redispatch are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.  
**Note 2:** Start dates with and without redispatch are based on the assumed completion dates of previous Aggregate Transmission Service Studies currently being conducted. Actual start dates may differ from the potential start dates upon completion of the previous studies.  
**Note 3:** Request is unable to be deferred due to fixed stop dates.  
**Note 4:** Transmission customer did not select "remain in the study using interim redispatch" option.



**Table 2 - Total Revenue Requirements Associated with Long-Term Transmission Service Requests**

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	<sup>1</sup> Letter of Credit Amount Required	<sup>2</sup> Potential Base Plan Engineering and Construction Funding Allowable	Notes	<sup>4</sup> Additional Engineering and Construction Cost for 3rd Party Upgrades	<sup>3,5</sup> Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	<sup>4</sup> Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
AECC	AG1-2013-033	77833561	\$ 10,020	\$ -	\$ 10,020		Indeterminate	\$ 14,915	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-011	77822685	\$ 83,501	\$ -	\$ 83,501		Indeterminate	\$ 124,292	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-012	77822701	\$ 1,830,784	\$ 1,830,784	\$ -	8,12	\$ 1,529,904	\$ 3,914,470	\$ -	\$ 3,914,470
AEPM	AG1-2013-013	77822728	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-014	77822735	\$ -	\$ -	\$ -	7,12	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-022	77824863	\$ -	\$ -	\$ -	9,12	\$ 77,500	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-023	77824917	\$ 2,306,591	\$ 2,306,591	\$ -	6,12	\$ 4,268,916	\$ 4,891,702	\$ -	\$ 4,891,702
AEPM	AG1-2013-024	77824949	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-025	77825504	\$ -	\$ -	\$ -	6,12	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-026	77825510	\$ -	\$ -	\$ -	6,12	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-027	77825521	\$ -	\$ -	\$ -	9,12	\$ 77,500	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-028	77825525	\$ -	\$ -	\$ -	7,12	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-029	77825528	\$ -	\$ -	\$ -	8,12	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	AG1-2013-034	77830452	\$ 649,009	\$ 649,009	\$ -	10,12	\$ -	\$ 1,016,648	\$ -	\$ 1,016,648
AEPM	AG1-2013-035	77830454	\$ 649,009	\$ 649,009	\$ -	10,12	\$ -	\$ 1,057,045	\$ -	\$ 1,057,045
AEPM	AG1-2013-036	77830575	\$ 158,381	\$ 158,381	\$ -		Indeterminate	\$ 235,752	\$ -	\$ 235,752
AEPM	AG1-2013-037	77830722	\$ 1,317,064	\$ -	\$ 1,317,064		\$ 4,389	\$ 2,443,235	\$ -	Schedule 9 & 11 Charges
APM	AG1-2013-004	77754342	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AWE	AG1-2013-038	77830753	\$ 8,390,550	\$ 8,390,550	\$ -		Indeterminate	\$ 45,548,000	\$ 31,572,000	\$ 45,548,000
AWE	AG1-2013-039	77830863	\$ 8,390,550	\$ 8,390,550	\$ -		Indeterminate	\$ 45,548,000	\$ 31,572,000	\$ 45,548,000
AWE	AG1-2013-040	77830900	\$ -	\$ -	\$ -		\$ -	\$ -	\$ 47,325,600	\$ 47,325,600
AWE	AG1-2013-041	77830907	\$ -	\$ -	\$ -		\$ -	\$ -	\$ 47,325,600	\$ 47,325,600
EAGL	AG1-2013-042	77829695	\$ 2,959,750	\$ 2,959,750	\$ -	11,12	Indeterminate	\$ 15,077,400	\$ 46,080,000	\$ 46,080,000
KMEA	AG1-2013-030	77825437	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
LESM	AG1-2013-003	77670009	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MEAN	AG1-2013-015	77821652	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MEAN	AG1-2013-016	77821664	\$ -	\$ -	\$ -		\$ -	\$ -	\$ 1,196,289	\$ 1,196,289
MEAN	AG1-2013-017	77822237	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MEAN	AG1-2013-018	77822257	\$ -	\$ -	\$ -		\$ -	\$ -	\$ 398,763	\$ 398,763
NELI	AG1-2013-021	77822264	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
OMPA	AG1-2013-005	77780943	\$ 550,000	\$ -	\$ 550,000		\$ -	\$ 2,720,189	\$ -	Schedule 9 & 11 Charges
OMPA	AG1-2013-044	77899559	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
OPPM	AG1-2013-009	77805986	\$ 5,112,000	\$ -	\$ 5,112,000		\$ -	\$ 6,489,342	\$ -	Schedule 9 & 11 Charges
SPRM	AG1-2013-045	77830421	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
SPSM	AG1-2013-051	77917222	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
SPSM	AG1-2013-052	77917219	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
WRGS	AG1-2013-046	77828962	\$ 342,934	\$ 342,934	\$ -	11,12	Indeterminate	\$ 1,114,390	\$ 4,748,800	\$ 4,748,800
WRGS	AG1-2013-047	77828986	\$ 142,350	\$ 142,350	\$ -	11,12	Indeterminate	\$ 366,317	\$ 1,464,320	\$ 1,464,320
WRGS	AG1-2013-049	77830017	\$ 1,045,105	\$ 1,045,105	\$ -		Indeterminate	\$ 3,308,493	\$ 1,052,400	\$ 3,308,493
WRGS	AG1-2013-050	77830022	\$ 1,045,105	\$ 1,045,105	\$ -		Indeterminate	\$ 3,308,493	\$ 1,052,400	\$ 3,308,493

**Table 2 - Total Revenue Requirements Associated with Long-Term Transmission Service Requests**

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	<sup>1</sup> Letter of Credit Amount Required	<sup>2</sup> Potential Base Plan Engineering and Construction Funding Allowable	Notes	<sup>4</sup> Additional Engineering and Construction Cost for 3rd Party Upgrades	<sup>3,5</sup> Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	<sup>4</sup> Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
<b>Grand Total</b>			\$ <b>35,632,703</b>		\$ <b>7,072,585</b>			<b>137,178,683</b>		
transmission owner less the E & C allocation of expedited projects. Letter of Credit is required for upgrades assigned to PTP requests. The amount of the letter of credit will be adjusted down on an annual basis to reflect cost recovery based on revenue										
funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if Point-to-Point base rate exceeds revenue requirements.										
deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects. A present worth analysis of RR on a common										
will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements										
and thus different RR.										
<b>Note 6:</b> Mutually exclusive requests: 77825510, 77825504, and 77824917. System impacts were identified by only modeling mutually exclusive request 77824917.										
<b>Note 7:</b> Mutually exclusive requests: 77822735 and 77825525. System impacts were identified by only modeling mutually exclusive request 77825525.										
<b>Note 8:</b> Mutually exclusive requests: 77822701, and 77825528. System impacts were identified by only modeling mutually exclusive request 77822701.										
<b>Note 9:</b> Mutually exclusive requests: 77825521 and 77824863. System impacts were identified by only modeling mutually exclusive request 77824863.										
<b>Note 10:</b> Mutually exclusive requests: 77830452 and 77830454. System impacts were identified by only modeling mutually exclusive request 77830454.										
<b>Note 11:</b> Mutually exclusive requests: 77828962, 77828986, and 7782695. System impacts were identified by only modeling mutually exclusive request 77829695.										
<b>Note 12:</b> ATSS cost allocation includes all customers' mutually exclusive requests in SPP-2013-AG1.										

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AECC              AG1-2013-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	77833561	CSWS	CSWS	3	2/1/2014	2/1/2019	5/1/2014	5/1/2019	\$ 10,020	\$ -	\$ 10,020	\$ 14,915
									\$ 10,020	\$ -	\$ 10,020	\$ 14,915

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77833561	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 10,020	\$ 2,685,036	\$ 14,915
	<b>Total</b>					\$ 10,020	\$ 2,685,036	\$ 14,915

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77833561	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77833561	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77833561	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77833561	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	7/1/2012	7/1/2012		
	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	7/1/2012	7/1/2012		
	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	BEE LINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	7/1/2012	7/1/2012		
	MANDEVILTP4 - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	OKAY - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	SUGAR HILL - TURK 138KV CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77833561	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			0.77%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			0.77%	100.00%
	<b>Total</b>					\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-011

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77822685	CSWS	CSWS	25	2/1/2014	2/1/2019	5/1/2014	5/1/2019	\$ 83,501	\$ -	\$ 83,501	\$ 124,292
									\$ 83,501	\$ -	\$ 83,501	\$ 124,292

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822685	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 83,501	\$ 2,685,036	\$ 124,292
	<b>Total</b>					\$ 83,501	\$ 2,685,036	\$ 124,292

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822685	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822685	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822685	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822685	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	7/1/2012	7/1/2012		
	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	7/1/2012	7/1/2012		
	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	BEE LINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	7/1/2012	7/1/2012		
	MANDEVILTP4 - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	OKAY - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	SUGAR HILL - TURK 138KV CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77822685	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			3.92%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			3.92%	100.00%
	<b>Total</b>					\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-012

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77822701	CSWS	CSWS	100	6/1/2016	6/1/2021			\$ -	\$ -	\$ 1,830,784	\$ 3,914,470
									\$ -	\$ -	\$ 1,830,784	\$ 3,914,470

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822701	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 319,495	\$ 2,685,036	\$ 563,451
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 1,511,289	\$ 14,500,000	\$ 3,351,019
					Total	\$ 1,830,784	\$ 17,185,036	\$ 3,914,470

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822701	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822701	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		
	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	6/1/2019	6/1/2019		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822701	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2015	6/1/2016		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822701	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77822701	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 6,220	\$ 100,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
	GORE - MUSKOGEE TAP 161KV CKT 1	6/1/2019	6/1/2019			\$ 1,523,684	\$ 8,000,000
					Total	\$ 1,529,904	\$ 8,100,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-013

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77822728	CSWS	CSWS	50	1/1/2016	1/1/2017	6/1/2017	6/1/2018	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822728	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822728	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822728	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77822728	GRIMES - MT. ZION 138KV CKT 1	10/1/2014	6/1/2017		No	\$ 4,795,092	\$ 5,166,026
	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			28.60%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			28.60%	100.00%
Total						\$ 4,795,092	\$ 5,166,026

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-014

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77822735	CSWS	CSWS	40	6/1/2016	6/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822735	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822735	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822735	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77822735	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			17.19%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			17.19%	100.00%
					Total	\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-022

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77824863	MPS	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77824863	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824863	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824863	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77824863	MORGAN - STOCKTON 161KV CKT 1	6/1/2016	6/1/2016			\$ 77,500	\$ 155,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ -	\$ -
<b>Total</b>						\$ 77,500	\$ 155,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.



**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-023

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77824917	AECI	CSWS	200	6/1/2016	6/1/2021	6/1/2017	6/1/2022	\$ -	\$ -	\$ 2,306,591	\$ 4,891,702
									\$ -	\$ -	\$ 2,306,591	\$ 4,891,702

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77824917	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 490,921	\$ 2,685,036	\$ 865,772
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 1,815,670	\$ 14,500,000	\$ 4,025,931
					Total	\$ 2,306,591	\$ 17,185,036	\$ 4,891,702

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824917	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824917	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		Yes
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		Yes
	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	6/1/2019	6/1/2019		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824917	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824917	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77824917	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 18,710	\$ 100,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
	GORE - MUSKOGEE TAP 161KV CKT 1	6/1/2019	6/1/2019			\$ 4,250,206	\$ 8,000,000
					Total	\$ 4,268,916	\$ 8,100,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-024

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77824949	EES	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77824949	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824949	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77824949	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77825504	AECI	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825504	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825504	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		Yes
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		Yes
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825504	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825504	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-026

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77825510	AECI	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825510	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825510	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		Yes
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		Yes
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825510	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825510	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM            AG1-2013-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77825521	MPS	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825521	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825521	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825521	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77825521	MORGAN - STOCKTON 161KV CKT 1	6/1/2016	6/1/2016			\$ 77,500	\$ 155,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ -	\$ -
<b>Total</b>						\$ 77,500	\$ 155,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77825525	CSWS	CSWS	40	6/1/2016	6/1/2018			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825525	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825525	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825525	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77825525	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			17.19%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			17.19%	100.00%
					Total	\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 AEPM              AG1-2013-029

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77825528	CSWS	CSWS	100	6/1/2016	6/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825528	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825528	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825528	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77830452	CSWS	CSWS	200	6/1/2016	6/1/2018	6/1/2017	6/1/2019	\$ -	\$ -	\$ 649,009	\$ 1,016,648
									\$ -	\$ -	\$ 649,009	\$ 1,016,648

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830452	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 649,009	\$ 2,685,036	\$ 1,016,648
Total						\$ 649,009	\$ 2,685,036	\$ 1,016,648

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830452	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2015	6/1/2016		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830452	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.



**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77830454	CSWS	CSWS	200	6/1/2016	6/1/2019	6/1/2017	6/1/2020	\$ -	\$ -	\$ 649,009	\$ 1,057,045
									\$ -	\$ -	\$ 649,009	\$ 1,057,045

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830454	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 649,009	\$ 2,685,036	\$ 1,057,045
Total						\$ 649,009	\$ 2,685,036	\$ 1,057,045

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830454	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2015	6/1/2016		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830454	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-036

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77830575	EES	CSWS	50	12/31/2013	12/31/2018	5/1/2014	5/1/2019	\$ 158,381	\$ -	\$ 158,381	\$ 235,752
									\$ 158,381	\$ -	\$ 158,381	\$ 235,752

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830575	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 158,381	\$ 2,685,036	\$ 235,752
	Total					\$ 158,381	\$ 2,685,036	\$ 235,752

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830575	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830575	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830575	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830575	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830575	6CAJUN1 - ADDIS 230KV CKT 1 EES	10/1/2015	10/1/2015			100.00%	100.00%
	6CAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2015	10/1/2015			100.00%	100.00%
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
	Total					\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 AEPM AG1-2013-037

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	77830722	OKGE	CSWS	100	1/1/2015	1/1/2020	6/1/2017	6/1/2022	\$ 1,317,064	\$ -	\$ 1,317,064	\$ 2,443,235
									\$ 1,317,064	\$ -	\$ 1,317,064	\$ 2,443,235

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
77830722	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 324,700	\$ -	\$ 324,700	\$ 2,685,036	\$ 510,398	
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 992,364	\$ -	\$ 992,364	\$ 14,500,000	\$ 1,932,837	
						Total	\$ 1,317,064	\$ -	\$ 1,317,064	\$ 17,185,036	\$ 2,443,235

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830722	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830722	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2017		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2017		
	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	6/1/2019	6/1/2019		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2015	6/1/2017		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830722	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830722	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830722	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 4,389	\$ 100,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	6/1/2014	6/1/2015			\$ -	\$ -
						Total	\$ 4,389 \$ 100,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

\*The 52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 million.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
APM AG1-2013-004

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
APM	77754342	AECI	MPS	8	9/1/2014	9/1/2024	6/1/2019	6/1/2029	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77754342	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77754342	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77754342	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77754342	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77754342	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77754342	5MOBERLY 161.00 - MOBERLY TAP 161KV CKT 1 AECI	6/1/2019	6/1/2019			100.00%	100.00%
	5MOBERLY 161.00 - MOBERLY TAP 161KV CKT 1 AMRN	6/1/2019	6/1/2019			100.00%	100.00%
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 211,704	\$ 2,200,000
<b>Total</b>						\$ 211,704	\$ 2,200,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
AWE AG1-2013-038

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AWE	77830753	OKGE	AECI	150	1/1/2014	1/1/2034	6/1/2019	6/1/2039	\$ -	\$ 31,572,000	\$ 8,390,550	\$ 45,547,997
									\$ -	\$ 31,572,000	\$ 8,390,550	\$ 45,547,997

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830753	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2017			\$ 1,317,833	\$ 2,635,666	\$ 7,444,530
	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2015	6/1/2017			\$ 2,103,821	\$ 5,000,000	\$ 12,322,889
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2015	6/1/2017			\$ 1,602,228	\$ 3,807,900	\$ 8,885,445
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2015	6/1/2017			\$ 291,211	\$ 692,100	\$ 1,228,309
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 3,075,457	\$ 14,500,000	\$ 15,666,824
						\$ 8,390,550	\$ 26,635,666	\$ 45,547,997

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830753	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830753	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830753	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2015	6/1/2016		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830753	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830753	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 20,323	\$ 100,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2017			\$ 2,065,000	\$ 4,130,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017			\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			33.08%	100.00%
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 870,359	\$ 2,200,000
						\$ 2,955,682	\$ 6,430,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
AWE AG1-2013-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AWE	77830863	OKGE	AECI	150	1/1/2014	1/1/2034	6/1/2019	6/1/2039	\$ -	\$ 31,572,000	\$ 8,390,550	\$ 45,547,997
									\$ -	\$ 31,572,000	\$ 8,390,550	\$ 45,547,997

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830863	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2017			\$ 1,317,833	\$ 2,635,666	\$ 7,444,530
	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2015	6/1/2017			\$ 2,103,821	\$ 5,000,000	\$ 12,322,889
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2015	6/1/2017			\$ 1,602,228	\$ 3,807,900	\$ 8,885,445
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2015	6/1/2017			\$ 291,211	\$ 692,100	\$ 1,228,309
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 3,075,457	\$ 14,500,000	\$ 15,666,824
						\$ 8,390,550	\$ 26,635,666	\$ 45,547,997

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830863	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830863	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830863	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2015	6/1/2016		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830863	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830863	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 20,323	\$ 100,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2017			\$ 2,065,000	\$ 4,130,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017			\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			33.08%	100.00%
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 870,359	\$ 2,200,000
						\$ 2,955,682	\$ 6,430,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
AWE AG1-2013-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AWE	77830900	OKGE	OKGE	150	6/1/2014	6/1/2034	6/1/2019	6/1/2039	\$ -	\$ 47,325,600	\$ -	\$ -
									\$ -	\$ 47,325,600	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830900	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830900	Line - Clark County - Thistle 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830900	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	ELK CITY - RED HILLS WIND 138KV CKT 1	6/1/2015	6/1/2017		
	Elk City to Gracemont 345kV AEPW	10/1/2014	3/1/2018		
	HITCHLAND INTERCHANGE (J) 230/115/13.2KV TRANSFORMER CKT 2 Accelerate	6/1/2019	6/1/2019		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830900	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2014	6/1/2015		
	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830900	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
AWE AG1-2013-041

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AWE	77830907	OKGE	OKGE	150	6/1/2014	6/1/2034	6/1/2019	6/1/2039	\$ -	\$ 47,325,600	\$ -	\$ -
									\$ -	\$ 47,325,600	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830907	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830907	Line - Clark County - Thistle 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830907	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	ELK CITY - RED HILLS WIND 138KV CKT 1	6/1/2015	6/1/2017		
	Elk City to Gracemont 345kV AEPW	10/1/2014	3/1/2018		
	HITCHLAND INTERCHANGE (J) 230/115/13.2KV TRANSFORMER CKT 2 Accelerate	6/1/2019	6/1/2019		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830907	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2014	6/1/2015		
	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830907	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.



**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
EAGL AG1-2013-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EAGL	77829695	WR	EES	150	9/1/2014	9/1/2034	6/1/2019	6/1/2039	\$ -	\$ 46,080,000	\$ 2,959,750	\$ 15,077,396
									\$ -	\$ 46,080,000	\$ 2,959,750	\$ 15,077,396

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77829695	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 2,959,750	\$ 14,500,000	\$ 15,077,396
	<b>Total</b>					\$ 2,959,750	\$ 14,500,000	\$ 15,077,396

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77829695	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77829695	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		Yes
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77829695	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77829695	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77829695	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 20,406	\$ 100,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			23.22%	100.00%
	GORE - MUSKOGEE TAP 161KV CKT 1	6/1/2019	6/1/2019			\$ 1,983,496	\$ 8,000,000
	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			29.31%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			29.31%	100.00%
	<b>Total</b>					\$ 2,003,902	\$ 8,100,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
KMEA AG1-2013-030

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	77825437	WPEK	WPEK	20	1/1/2014	1/1/2019	6/1/2016	6/1/2021	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77825437	None					\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825437	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	12/1/2014		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kV dbI Ckt	6/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kV dbI Ckt OKGE	6/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kV dbI Ckt SPS	6/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kV dbI Ckt	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbI Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbI Ckt WERE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbI Ckt OKGE	6/1/2014	1/1/2015		No
	Line - Thistle - Woodward 345 kV dbI Ckt PW	6/1/2014	1/1/2015		No
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825437	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	East Manhattan - Jeffrey Energy Center 230 kV Ckt 1	6/1/2015	6/1/2018		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825437	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2014	6/1/2017		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2014	6/1/2017		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	6/1/2014	6/1/2017		
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		
	Judson Large - North Judson Large 115KV CKT 2	6/1/2014	6/1/2015		Yes
	North Judson Large - Spearville 115KV CKT 2	6/1/2014	6/1/2015		Yes
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2014	6/1/2015		Yes

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77825437	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIRCLE - RICE_CO 230KV CKT 1	10/1/2012	11/15/2012		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE_CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer**      **Study Number**  
 LESM            AG1-2013-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
LESM	77670009	LES	LES	5	8/1/2013	8/1/2033	5/1/2014	5/1/2034	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77670009	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 MEAN AG1-2013-015

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MEAN	77821652	MEC	NPPD	25	8/1/2013	8/1/2018	5/1/2014	5/1/2019	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77821652	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77821652	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77821652	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer**      **Study Number**  
 MEAN              AG1-2013-016

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MEAN	77821664	NPPD	NPPD	15	1/1/2014	1/1/2019	5/1/2014	5/1/2019	\$ -	\$ 1,196,289	\$ -	\$ -
									\$ -	\$ 1,196,289	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77821664	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77821664	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
MEAN AG1-2013-017

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MEAN	77822237	MEC	NPPD	15	8/1/2013	8/1/2018	1/1/2018	1/1/2023	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822237	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822237	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		
	Scottsbluff - Stegall 115 kV Ckt 1	6/1/2014	6/1/2016		
	Stegall 345 kV Terminal Upgrades	6/1/2014	6/1/2016		
	Stegall 345/115 kV Transformer Ckt 1	6/1/2014	6/1/2016		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822237	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 MEAN AG1-2013-018

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MEAN	77822257	NPPD	NPPD	5	1/1/2014	1/1/2019	5/1/2014	5/1/2019	\$ -	\$ 398,763	\$ -	\$ -
									\$ -	\$ 398,763	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822257	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822257	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.



**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 NELI              AG1-2013-021

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NELI	77822264	MEC	NPPD	5	8/1/2013	8/1/2018	5/1/2014	5/1/2019	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77822264	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822264	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77822264	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 OMPA            AG1-2013-005

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	77780943	OKGE	OKGE	103	4/1/2015	4/1/2045			\$ 550,000	-	\$ 550,000	\$ 2,720,189
									\$ 550,000	\$ -	\$ 550,000	\$ 2,720,189

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77780943	TURKEY CREEK 69KV Capacitor	6/1/2019	6/1/2019			\$ 550,000	\$ 550,000	\$ 2,720,189
<b>Total</b>						\$ 550,000	\$ 550,000	\$ 2,720,189

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77780943	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 OMPA AG1-2013-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	77899559	CSWS	OKGE	3	8/1/2013	4/1/2032	5/1/2014	1/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77899559	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77899559	NORTHWEST 345/138/13.8KV TRANSFORMER CKT 3 Accelerated	6/1/2014	6/1/2015		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77899559	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	7/1/2012	7/1/2012		
	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	7/1/2012	7/1/2012		
	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	7/1/2012	7/1/2012		
	MANDEVILTP4 - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	OKAY - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	SUGAR HILL - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77899559	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			0.81%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			0.81%	100.00%
<b>Total</b>						\$ -	\$ -

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
OPPM AG1-2013-009

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OPPM	77805986	NPPD	OPPD	201	11/1/2013	11/1/2018	10/1/2014	10/1/2019	\$ 5,112,000	-	\$ 5,112,000	\$ 6,489,342
									\$ 5,112,000	-	\$ 5,112,000	\$ 6,489,342

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77805986	SUB 906 SOUTH - SUB 938 69KV CKT 1	6/1/2015	6/1/2017			\$ 5,112,000	-	\$ 5,112,000	\$ 5,112,000	\$ 6,489,342
					Total	\$ 5,112,000	-	\$ 5,112,000	\$ 5,112,000	\$ 6,489,342

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77805986	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2019	6/1/2019		
	SUB 906 NORTH - SUB 938 69KV CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77805986	FT RANDAL - MADISONCO 230.00 230KV CKT 1	6/1/2014	10/1/2014		Yes
	KELLY - MADISONCO 230.00 230KV CKT 1	6/1/2014	10/1/2014		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77805986	FT RANDAL - MADISONCO 230.00 230KV CKT 1	6/1/2014	10/1/2014		
	KELLY - MADISONCO 230.00 230KV CKT 1	6/1/2014	10/1/2014		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer**      **Study Number**  
 SPRM              AG1-2013-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPRM	77830421	SPRM	SPRM	9	8/1/2013	10/1/2050	5/1/2014	7/1/2051	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830421	None					\$ -	\$ -	\$ -
<b>Total</b>						\$ -	\$ -	\$ -

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
SPSM AG1-2013-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	77917222	CSWS	SPS	5	6/1/2019	6/1/2032			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77917222	None					\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917222	Grapevine 230/115kV Transformer Ckt 1	6/1/2019	6/1/2019		
	Line - Clark County - Thistle 345 kV dbI Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbI Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbI Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kV dbI Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbI Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbI Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbI Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbI Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917222	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	10/1/2019	10/1/2019		
	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	6/1/2019	6/1/2019		
	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	6/1/2019	6/1/2019		
	ELK CITY - RED HILLS WIND 138KV CKT 1	6/1/2015	6/1/2017		
	Grassland - Wolfforth 230 kV Ckt 1	6/1/2019	6/1/2019		
	HITCHLAND INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 2 Accelerate	6/1/2019	6/1/2019		
	Indiana - Stanton 115 kV Ckt 1	6/1/2019	6/1/2019		
	MULTI - Tuco-New Deal 345 kV	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917222	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	6/1/2019	6/1/2019		
	CANYON WEST SUB - DAWN SUB 115KV CKT 1	6/1/2019	6/1/2019		
	Carlisle - SP Erskine 115 kV Ckt 1	6/1/2019	6/1/2019		
	CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	10/1/2019	10/1/2019		
	DAWN SUB - Panda Energy Substation Hereford 115KV CKT 1	6/1/2019	6/1/2019		
	DEAF SMITH COUNTY INTERCHANGE - Panda Energy Substation Hereford 115KV CKT 1	6/1/2019	6/1/2019		
	Indiana - SP Erskine 115 kV Ckt 1 Accelerate	6/1/2019	6/1/2019		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		
	YOAKUM COUNTY INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		
	YOAKUM COUNTY INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917222	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 SPSM              AG1-2013-052

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	77917219	CSWS	SPS	96	6/1/2019	6/1/2032			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77917219	None					\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917219	Grapevine 230/115kV Transformer Ckt 1	6/1/2019	6/1/2019		
	Line - Clark County - Thistle 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kV dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kV dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kV dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917219	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	10/1/2019	10/1/2019		
	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	6/1/2019	6/1/2019		
	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	6/1/2019	6/1/2019		
	ELK CITY - RED HILLS WIND 138KV CKT 1	6/1/2015	6/1/2017		
	Grassland - Wolfforth 230 kV Ckt 1	6/1/2019	6/1/2019		
	HITCHLAND INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 2 Accelerate	6/1/2019	6/1/2019		
	Indiana - Stanton 115 kV Ckt 1	6/1/2019	6/1/2019		
	MULTI - Tuco-New Deal 345 kV	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917219	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	6/1/2019	6/1/2019		
	CANYON WEST SUB - DAWN SUB 115KV CKT 1	6/1/2019	6/1/2019		
	Carlisle - SP Erskine 115 kV Ckt 1	6/1/2019	6/1/2019		
	CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	10/1/2019	10/1/2019		
	DAWN SUB - Panda Energy Substation Hereford 115KV CKT 1	6/1/2019	6/1/2019		
	DEAF SMITH COUNTY INTERCHANGE - Panda Energy Substation Hereford 115KV CKT 1	6/1/2019	6/1/2019		
	Indiana - SP Erskine 115 kV Ckt 1 Accelerate	6/1/2019	6/1/2019		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77917219	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
WRGS AG1-2013-046

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	77828962	WR	EES	106	9/1/2014	5/1/2022	6/1/2019	5/1/2022	\$ -	\$ 4,748,800	\$ 342,934	\$ 1,114,390
									\$ -	\$ 4,748,800	\$ 342,934	\$ 1,114,390

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77828962	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 342,934	\$ 14,500,000	\$ 1,114,390
	Total					\$ 342,934	\$ 14,500,000	\$ 1,114,390

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828962	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		Yes
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828962	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828962	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	DEARING 138KV Capacitor	6/1/2012	6/1/2012		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77828962	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 3,774	\$ 100,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			1.56%	100.00%
	GORE - MUSKOGEE TAP 161KV CKT 1	6/1/2019	6/1/2019			\$ 171,447	\$ 8,000,000
	GRIMES - MT. ZION 138KV CKT 1	10/1/2014	6/1/2017		No	\$ 370,934	\$ 5,166,026
	GRIMES 345/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			2.22%	100.00%
	GRIMES 345/138KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			2.22%	100.00%
	Total					\$ 546,155	\$ 13,266,026

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.



**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
WRGS AG1-2013-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	77828986	WR	EES	44	9/1/2014	11/1/2016	6/1/2019	8/1/2021	\$ -	\$ 1,464,320	\$ 142,350	\$ 366,317
									\$ -	\$ 1,464,320	\$ 142,350	\$ 366,317

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77828986	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 142,350	\$ 14,500,000	\$ 366,317
Total						\$ 142,350	\$ 14,500,000	\$ 366,317

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828986	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		Yes
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828986	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828986	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	DEARING 138KV Capacitor	6/1/2012	6/1/2012		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		

Potential reservation deferral and redispatch requirement on the following upgrades due to positive MW Impact on limitations that require upgrade. No cost assignment due to negative MW impact on defined upgrade.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77828986	GRIMES - MT. ZION 138KV CKT 1	10/1/2014	6/1/2017		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77828986	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 1,567	\$ 100,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			0.74%	100.00%
	GORE - MUSKOGEE TAP 161KV CKT 1	6/1/2019	6/1/2019			\$ 71,167	\$ 8,000,000
Total						\$ 72,734	\$ 8,100,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 WRGS              AG1-2013-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	77830017	WR	AECI	20	1/1/2014	1/1/2019	6/1/2019	6/1/2024	\$ -	\$ 1,052,400	\$ 1,045,105	\$ 3,308,493
									\$ -	\$ 1,052,400	\$ 1,045,105	\$ 3,308,493

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830017	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2015	6/1/2017			\$ 396,179	\$ 5,000,000	\$ 1,349,322
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2015	6/1/2017			\$ 301,722	\$ 3,807,900	\$ 972,931
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2015	6/1/2017			\$ 54,839	\$ 692,100	\$ 135,367
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 292,365	\$ 14,500,000	\$ 850,872
	<b>Total</b>					\$ 1,045,105	\$ 24,000,000	\$ 3,308,493

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830017	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830017	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2019	6/1/2019		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		Yes
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830017	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2019	6/1/2019		
	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830017	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	CIRCLE - RICE_CO 230KV CKT 1	10/1/2012	11/15/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE_CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830017	JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 2,144	\$ 100,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			4.16%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ -	\$ -
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 123,789	\$ 2,200,000
	<b>Total</b>					\$ 125,933	\$ 2,300,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

\*Credits may be required for applicable generation interconnection network upgrades.

**Table 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer**      **Study Number**  
 WRGS              AG1-2013-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	77830022	WR	AECI	20	1/1/2014	1/1/2019	6/1/2019	6/1/2024	\$ -	\$ 1,052,400	\$ 1,045,105	\$ 3,308,493
									\$ -	\$ 1,052,400	\$ 1,045,105	\$ 3,308,493

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
77830022	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2015	6/1/2017			\$ 396,179	\$ 5,000,000	\$ 1,349,322
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2015	6/1/2017			\$ 301,722	\$ 3,807,900	\$ 972,931
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2015	6/1/2017			\$ 54,839	\$ 692,100	\$ 135,367
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 292,365	\$ 14,500,000	\$ 850,872
	<b>Total</b>					\$ 1,045,105	\$ 24,000,000	\$ 3,308,493

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830022	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830022	Cherry Co - Gentleman 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	6/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	6/1/2014	1/1/2018		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2019	6/1/2019		
	Neligh - Hoskins 345 kV Ckt1	10/1/2015	3/1/2019		Yes
	Neligh 345/115 kV Transformer	10/1/2015	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830022	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2019	6/1/2019		
	HOLT - NELIGH 345KV CKT 1	10/1/2015	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No

Credits may be required for the following Network Upgrades in accordance with Attachment Z2 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
77830022	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	CIRCLE - RICE_CO 230KV CKT 1	10/1/2012	11/15/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE_CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
77830022	JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2019	6/1/2019			\$ 2,144	\$ 100,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2017		No	\$ -	\$ -
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2015	6/1/2015			4.16%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ -	\$ -
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 123,789	\$ 2,200,000
	<b>Total</b>					\$ 125,933	\$ 2,300,000

\*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.

**Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study**

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	52ND & DELAWARE WEST TAP - RIVERSIDE STATION 138KV CKT 1 Accelerate	Rebuild 5.4-mile 138 kV line from 52nd & Delaware West Tap to Riverside Station with 2-795 ACSR conductor. Upgrade relay settings at Riverside Station. The Service Upgrade is subject to evaluation of proposed alternative with an anticipated E & C cost of \$13.5 Million.	6/1/2015	6/1/2017	\$ 2,685,036
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	Rebuild 1.25 miles of 795 ACSR with 1590 ACSR. Replace wavetrap & jumpers @ Eureka Springs	6/1/2014	6/1/2017	\$ 2,635,666
KACP	BIRMINGHAM - HAWTHORN 161KV CKT 1	Reconductor line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2015	6/1/2017	\$ 5,000,000
KACP	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	Reconductor 3.41 miles of 4.03 mile line with 1192 ACSS from Hawthorn - Liberty South (KCPL) & upgrade terminal equipment for 2000 amps	6/1/2015	6/1/2017	\$ 3,807,900
MIPU	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	Reconductor 0.62 miles of 4.03 mile line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2015	6/1/2017	\$ 692,100
OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kV bus tie in Ft. Smith Sub	6/1/2019	6/1/2019	\$ 14,500,000
OKGE	TURKEY CREEK 69KV Capacitor	Install 9 Mvar capacitor	6/1/2019	6/1/2019	\$ 550,000
OPPD	SUB 906 SOUTH - SUB 938 69KV CKT 1	Rebuild 3.55 miles	6/1/2015	6/1/2017	\$ 5,112,000

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
KACP	Iatan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV	6/1/2014	6/1/2019
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #1	Replace Wavetrap	6/1/2014	6/1/2015
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #2	Rebuild 0.23 miles	6/1/2014	6/1/2016
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	Rebuild MKEC portion of the 5.6 mile Clearwater-Milan Tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	6/1/2014	6/1/2017
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	Reconductor 22.1 mile Harper to Milan Tap 138 kV line.	6/1/2014	6/1/2017

**Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study**

MKEC	Judson Large - North Judson Large 115KV CKT 2	Construct approximately 1 mile of new 115kV for 2nd circuit	6/1/2014	6/1/2015
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kV for 2nd circuit	6/1/2014	6/1/2015
MKEC	Spearville 345/115/13.8kV Transformer CKT 3	Install 345/115/13.8kV Transformer CKT 3 at Spearville	6/1/2014	6/1/2015
NPPD	FT RANDAL - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	6/1/2014	10/1/2014
NPPD	HOLT - NELIGH 345KV CKT 1	Build new 16 miles 345 kV Holt - Neligh and associated terminal equipment	10/1/2015	6/1/2019
NPPD	KELLY - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	6/1/2014	10/1/2014
OKGE	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	Upgrade the Muskogee CT rating from 800 amps to 1200 amps	6/1/2015	6/1/2016
OKGE	NORTHWEST 345/138/13.8KV TRANSFORMER CKT 3 Accelerated	Install third 345/138 kV Bus Tie in Northwest Sub	6/1/2014	6/1/2015
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Replace Transformer	6/1/2019	6/1/2019
SPS	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	Rebuild 3.73 miles to at least 107 MVA Summer Rate B and 127 MVA Winter Rate B.	6/1/2019	6/1/2019
SPS	CANYON WEST SUB - DAWN SUB 115KV CKT 1	Rebuild 13.7 mile 115 kV line.	6/1/2019	6/1/2019
SPS	Carlisle - SP Erskine 115 kV Ckt 1	Reconductor 1.49 miles from Carlisle to SP-Erskine.	6/1/2019	6/1/2019
SPS	CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	Replace Terminal Equipment	10/1/2019	10/1/2019
SPS	DAWN SUB - Panda Energy Substation Hereford 115KV CKT 1	Rebuild 8.41 mile 115 kV line.	6/1/2019	6/1/2019
SPS	DEAF SMITH COUNTY INTERCHANGE - Panda Energy Substation Hereford 115KV CKT 1	Rebuild 3.54 mile 115 kV line.	6/1/2019	6/1/2019
SPS	Indiana - SP Erskine 115 kV Ckt 1 Accelerate	Reconductor 4 miles from Indiana to SP-Erskine.	6/1/2019	6/1/2019
SPS	YOAKUM COUNTY INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 1	Upgrade transformer to 250 MVA.	6/1/2019	6/1/2019
SPS	YOAKUM COUNTY INTERCHANGE ( ) 230/115/13.2KV TRANSFORMER CKT 2	Upgrade transformer to 250 MVA.	6/1/2019	6/1/2019
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	Rebuild Westar portion of the Clearwater-Milan tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	6/1/2014	6/1/2017
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetraps, breaker, jumpers	6/1/2019	6/1/2019
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire and substation work	6/1/2014	6/1/2018
WERE	Iatan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV	6/1/2014	6/1/2019
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT	6/1/2014	6/1/2015
WFEC	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line	6/1/2015	6/1/2017

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AEPW	Rebuild and reconductor 11.1-mile 161 kV line from Chamber Springs to Farmington REC with 2-959.6 ACSR/TW. Upgrade wavetraps, CT ratios, and relay settings at Chamber Springs.	6/1/2014	6/1/2015
ITCGP	Line - Clark County - Thistle 345 kV dbl Ckt	Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle 345 kV substation to the new Clark County substation. Build a new 345 kV substation at Thistle with a ring bus and necessary terminal equipment.	6/1/2014	1/1/2015
ITCGP	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 equipment.	6/1/2014	1/1/2015
ITCGP	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation.	6/1/2014	1/1/2015
KACP	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from Iatan to Nashua, Add Nashua 345/161 kV	6/1/2014	6/1/2015
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	Tear down and rebuild of existing South Hays - Hays Plant 115 kV line. Tentative plans include rebuilding on existing right-of-way with the possibility of re-routing a portion of the line to new right-of-way as necessary.	6/1/2014	6/1/2015
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1	Replace Wave Trap at Harper Substation	6/1/2014	12/1/2014
OKGE	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	Build a new 92 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the SPS interception from the Hitchland substation. Upgrade the Woodward District EHV substation with the necessary breakers and term	6/1/2014	7/1/2014
OKGE	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 substation with the necessary brea	6/1/2014	1/1/2015
OKGE	Line - Tuco - Woodward 345 kV line OKGE	Build new 345 kV line from Woodward EHV to Border - Project costs now include Border reactor substation	6/1/2014	6/1/2014
PW	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 new Thistle 345 kV substation.	6/1/2014	1/1/2015
PW	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.	6/1/2014	1/1/2015
SPS	Grapevine 230/115kV Transformer Ckt 1	Replace 230/115 kV transformer at Grapevine substation with 250 MVA transformer.	6/1/2019	6/1/2019
SPS	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 breakers and terminal equipme	6/1/2014	7/1/2014
SPS	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.	6/1/2014	6/1/2014
WERE	Line - Thistle - Wichita 345 kV dbl Ckt WERE	Upgrade the Wichita substation with the necessary breakers and terminal equipment to accommodate two new 345 kV circuits from the new Thistle 345 kV substation	6/1/2014	1/1/2015

**Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study**

**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 to Gracemont 345kV AEPW	Build new 46.5 mile 345 kV line from Elk City to Gracemont (AEP portion).	10/1/2014	3/1/2018
AEPW	HUGHES SPRINGS - JENKINS REC.T 69KV CKT 1	Rebuild 4.76 Miles	6/1/2019	6/1/2019
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Remove limiting Element, Line Switches 1200A increase to 2000A	6/1/2015	6/1/2017
GRDA	412SUB - KERR 161KV CKT 1	Replace 161kV,1200A switch with a 2000A Switch at Kerr Substation bus.	6/1/2015	6/1/2017
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	Replace Terminal Equipment	6/1/2015	6/1/2017
GRDA	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 #2	Replace Terminal Equipment	6/1/2019	6/1/2019
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).	6/1/2014	1/1/2018
NPPD	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).	6/1/2014	1/1/2018
NPPD	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.	6/1/2014	1/1/2018
NPPD	Neligh - Hoskins 345 kV Ckt1	Build a new 50 mile 345 kV line from Hoskins to Neligh	10/1/2015	3/1/2019
NPPD	Neligh 345/115 kV Transformer	Construct new substation at Neligh. Install a new 345/115 kV transformer at Neligh.	10/1/2015	3/1/2019
NPPD	Scottsbluff - Stegall 115 kV Ckt 1	Install new 22-mile 115 kV line from Stegall - Scottsbluff and install necessary terminal equipment. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	6/1/2014	6/1/2016
NPPD	Stegall 345 kV Terminal Upgrades	Install necessary terminal equipment at the 345 kV bus in Stegall substation. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	6/1/2014	6/1/2016
NPPD	Stegall 345/115 kV Transformer Ckt 1	Install new 345/115 kV 400 MVA transformer at Stegall substation and necessary terminal equipment at the 115 kV bus. This upgrade is contingent upon approval from Basin Electric to connect to the Stegall 345 kV substation that they operate.	6/1/2014	6/1/2016
OPPD	SUB 906 NORTH - SUB 928 69KV CKT 1	Rebuild 2-mile Sub 906 North - Sub 928 line. Change CT tap settings and replace line jumpers for 110 MVA rating.	6/1/2019	6/1/2019
OPPD	SUB 906 NORTH - SUB 938 69KV CKT 1	Rebuild 3.59 miles	6/1/2019	6/1/2019
SPS	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	Upgrade 800A wave trap at both Bushland Interchange and Deaf Smith Interchange to at least 428 MVA Winter Rate B. Deaf Smith - Replace existing wave trap so that the limiting factor of K-11 terminal at Deaf Smith will be no less than 1200 A.	10/1/2019	10/1/2019
SPS	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	Rebuild 18 miles to at least 107 MVA Summer Rate B and 127 MVA Winter Rate B.	6/1/2019	6/1/2019
SPS	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	Build 15 miles of new 230 kV line from Carlisle to Wolfforth South and install necessary terminal equipment.	6/1/2019	6/1/2019
SPS	Grassland - Wolfforth 230 kV Ckt 1	Build new 230 kV line from Wolfforth to Grassland, and install terminal equipment at Grassland and Wolfforth substations.	6/1/2019	6/1/2019
SPS	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2 Accelerate	Build a second 230/115/13.2 kV transformer at Hitchland.	6/1/2019	6/1/2019
SPS	Indiana - Stanton 115 kV Ckt 1	Reconductor 1.5 miles line from Indiana to Stanton.	6/1/2019	6/1/2019
SPS	MULTI - Tuco-New Deal 345 kV	New 345/155kV transformer between Tuco and Stanton, Build new 345kV line between Tuco and high side of new transformer between Tuco and Stanton, Build new 115kV line between Stanton and low side of new transformer between Tuco and Stanton	6/1/2019	6/1/2019
WERE	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2019	6/1/2019
WERE	East Manhattan - Jeffrey Energy Center 230 kV Ckt 1	Rebuild 27-mile 230 kV line from East Manhattan to Jeffrey Energy Center to 345 kV construction but operate as 230 kV using bundled 1590 ACSR conductor. Upgrade terminal equipment at East Manhattan and Jeffrey Energy Center to a minimum emergency rating o	6/1/2015	6/1/2018
WFEC	ELK CITY - RED HILLS WIND 138KV CKT 1	Upgrade Elk City to RHWIND4 TO 1113	6/1/2015	6/1/2017

**Network Upgrades requiring credits per Attachment 22 of the SPP OATT.**

**Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study**

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	Reconductor and convert line to 138 kV and replace switches at Ashdown REC	7/1/2012	7/1/2012
AEPW	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	Reconductor Line & Convert Line to 138 kV and convert Patterson station to breaker-and-a-half configuration	7/1/2012	7/1/2012
AEPW	BANN - RED SPRINGS REC 138KV CKT 1	Replace 138 kV breakers 3300 & 3310	7/1/2012	7/1/2012
AEPW	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	Reconductor 1.82 miles with ACCC. Replace wave trap jumpers at Riverside.	6/1/2009	6/1/2009
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	7/1/2012	7/1/2012
AEPW	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	Build new Turk-SE Texarkana 138 kV line and add SE Texarkana 138 kV terminal.	7/1/2012	7/1/2012
AEPW	MANDEVILTP4 - TURK 138KV CKT 1	Build new Turk-SE Texarkana 138 kV line and add SE Texarkana 138 kV terminal.	7/1/2012	7/1/2012
AEPW	MCNAB REC - TURK 115KV CKT 1	Build a new two mile, 138 kV, 1590 ACSR line section (operated at 115 kV) from Turk Substation to the existing Okay- Hope 115 kV line to form a Turk - Hope 115 kV line.	7/1/2012	7/1/2012
AEPW	OKAY - TURK 138KV CKT 1	Build two mile, 138 kV, 1590ACSR line section from Turk Sub to existing Okay-Hope 115 kV line and rebuild twelve miles of 115 kV line to Okay Sub to 138 kV, 1590 ACSR, to form a Turk-Okay 138 kV line	7/1/2012	7/1/2012
AEPW	SUGAR HILL - TURK 138KV CKT 1	Build new Turk-Sugar Hill 138 kV line and add Sugar Hill 138 kV terminal.	7/1/2012	7/1/2012
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
MIDW	CIRCLE - RICE_CO 230KV CKT 1	Convert from 115kV to 230kV operation	10/1/2012	11/15/2012
MIDW	LYONS - RICE_CO 115KV CKT 1	Rebuild 11.7 mile line	10/1/2012	4/1/2013
MIDW	RICE_CO 230/115KV TRANSFORMER CKT 1	Add 230/115kV Transformer	10/1/2012	11/15/2012
MKEC	ALEXANDER - PRATT 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER - MEDICINE LODGE 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER - SAWYER 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	Upgrade transformer	12/1/2009	6/1/2013
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	6/1/2011	6/1/2013
MKEC	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	Rebuild 8.05 mile line	12/1/2009	6/1/2013
MKEC	FLATRDG3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	12/1/2009	6/1/2013
MKEC	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	Rebuild 43.5% Ownership of 20.9 miles	6/1/2013	6/1/2013
MKEC	Judson Large - North Judson Large 115KV CKT 2	Construct approximately 1 mile of new 115kV for 2nd circuit	10/1/2013	6/1/2015
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kV for 2nd circuit	10/1/2013	6/1/2015
MKEC	Spearville 345/115/13.8kV Transformer CKT 3	Install 345/115/13.8kV Transformer CKT 3 at Spearville	10/1/2013	6/1/2015
NPPD	ALBION - PETERSBURG 115KV CKT 1	Replace Breaker Switch 1106-D and jumpers at Albion. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kV line to facilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013
NPPD	FT RANDAL - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	6/1/2014	10/1/2014

**Table 4 - Upgrade Requirements and Solutions Needed to Provide Transmission Service for the Aggregate Study**

NPPD	KELLY - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	6/1/2014	10/1/2014
NPPD	NELIGH - PETERSBURG 115KV CKT 1	Replace Breaker 1106, jumpers, and 115 kV Switch 1106-D2 at Neligh. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kV line to facilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013
OKGE	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2014	6/1/2016
OKGE	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	Build 138kv Terminal.	1/1/2012	1/1/2012
OKGE	NORTHWEST - TATONGA 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	TATONGA - WOODWARD 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	WOODWARD - IODINE 138KV CKT 1	Tap Iodine to Woodward 138 kv line	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 1	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 2	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kv XF	1/1/2010	1/1/2010
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap at Harrington East	6/1/2015	6/1/2015
WERE	DEARING 138KV Capacitor	Dearing 138 kv 20 MVAR Capacitor Addition	6/1/2012	6/1/2012
WERE	LYONS - WHEATLAND 115KV CKT 1 #1	Replace CTs	10/1/2012	7/15/2013
WERE	LYONS - WHEATLAND 115KV CKT 1 #2	Rerate circuit to 1000 amps	10/1/2012	7/15/2013
WFEC	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	Build approximately 6 miles of 138kv.	1/1/2012	1/1/2012
WFEC	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	New 19 miles 345 KV	7/1/2012	7/1/2012
WFEC	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	New 345/138 kv Auto	7/1/2012	7/1/2012



**Table 5 - Third Party Facility Constraints**

Transmission Owner	UpgradeName	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECC	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	Upgrade 1272 AAC bus at Farmington REC. Replace bus at Farmington REC and rebuild 400 feet of the 161 kv line going to Chamber Springs.	6/1/2014	6/1/2015	Note 1
AECI	SMOBERLY 161.00 - MOBERLY TAP 161KV CKT 1 AECI	Indeterminate	6/1/2019	6/1/2019	Indeterminate
AECI	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	Replace structures to rerate to 100C	6/1/2019	6/1/2019	\$ 100,000
AECI	PLATTE CITY 161/69KV TRANSFORMER CKT 1	Platte City 161/69KV transformer ckt 1 - 84 MVA	6/1/2019	6/1/2019	\$ 2,200,000
AMRN	SMOBERLY 161.00 - MOBERLY TAP 161KV CKT 1 AMRN	Indeterminate	6/1/2019	6/1/2019	Indeterminate
EES	6CAJUN1 - ADDIS 230KV CKT 1 EES	Indeterminate	10/1/2015	10/1/2015	Indeterminate
EES	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	GRIMES - MT. ZION 138KV CKT 1	Upgrade Transmission Line 19.19 miles	10/1/2014	6/1/2017	\$ 5,166,026
EES	GRIMES 345/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	GRIMES 345/138KV TRANSFORMER CKT 2	Indeterminate	6/1/2015	6/1/2015	Indeterminate
LAGN	6CAJUN1 - ADDIS 230KV CKT 1 LAGN	Indeterminate	10/1/2015	10/1/2015	Indeterminate
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Rebuild line using 1590MCM ACSR conductor on tubular steel H-frame structures. Replace breakers and switches at Beaver. Remove wave traps.	6/1/2014	6/1/2017	\$ 4,130,000
SWPA	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	Replace one structure and make two structures floating deadends	6/1/2015	6/1/2017	Note 2
SWPA	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	Replace two structures	6/1/2015	6/1/2017	Note 2
SWPA	GORE - MUSKOGEE TAP 161KV CKT 1	Rebuild w/ 1192 ACSR. Upgrade terminal equipment.	6/1/2019	6/1/2019	\$ 8,000,000
SWPA	MORGAN - STOCKTON 161KV CKT 1	Replace Jumpers on the Stockton substation	6/1/2016	6/1/2016	\$ 155,000
SWPA	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	Replace wave trap and CTs at Truman.	10/1/2014	6/1/2016	Note 2

**Note 1:** AECC Network Upgrade - Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

**Note 2:** SWPA Network Upgrades - Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.