



# Aggregate Facility Study SPP-2012-AG2-AFS-4

3/4/2013

SPP Engineering, SPP Transmission Service Studies



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## Executive Summary

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Pursuant to Attachment Z1 of the Southwest Power Pool, Inc. (SPP) Open Access Transmission Tariff (OATT), 4,756 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 \$454 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 \$1.3 billion.

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 March 4, 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 March 19, 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.

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## Introduction

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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 June 1, 2012 for 2012-AG2 have been included in this second Aggregate Transmission Service Study (ATSS) of 2012.

Approximately 4,756 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$454 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](http://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.

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## Financial Analysis

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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.

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## Third-Party Facilities

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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 leveled 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.

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## Study Methodology

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### **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 AECI, 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 eight (8) seasonal models to study the aggregate transfers of 4,756 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2012 Build 1 Cases were used to study the impact of the requested service on the transmission system:

- 2013 Summer Peak (13SP)
- 2013/14 Winter Peak (13WP)
- 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 4,756 MW to model the requested service. From the eight (8) seasonal models, two system scenarios were developed. Scenario 0 includes projected usage of transmission included in the SPP 2012 Series Cases. Scenario 5 includes [transmission service](#) not already included in the SPP 2012 Series Cases.



## **Transmission Request Modeling**

Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation 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.

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## Study Results

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### **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.

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.

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## Conclusion

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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 March 4, 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 March 19, 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.

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## Appendix A

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### 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
AEPM	AG2-2012-037	76971840	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
AEPM	AG2-2012-038	76971841	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
AEPM	AG2-2012-039	76971857	MPS	CSWS	260	6/1/2016	6/1/2021	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	23SP
AEPM	AG2-2012-040	76971862	EES	CSWS	225	6/1/2016	6/1/2021	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	23SP
BPAE	AG2-2012-034	76971720	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
BPAE	AG2-2012-035	76971734	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
BPAE	AG2-2012-036	76971743	SECI	EES	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
BPAE	AG2-2012-043	76974049	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
BPAE	AG2-2012-044	76974059	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
BPAE	AG2-2012-045	76974069	WR	AMRN	30	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	18SP
CRGL	AG2-2012-001	76591148	ERCOTN	ERCOTN	207	2/1/2014	2/1/2019	2/1/2014	2/1/2019	2/1/2014	2/1/2019	0	14SP
CRGL	AG2-2012-003	76874343	WR	ERCOTN	207	1/1/2013	1/1/2014	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	13SP
CRGL	AG2-2012-006	76874347	WR	ERCOTN	207	1/1/2014	1/1/2015	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	14SP
CRGL	AG2-2012-007	76874349	CSWS	ERCOTN	207	1/1/2014	1/1/2015	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	14SP
CRGL	AG2-2012-008	76874351	ERCOTN	ERCOTN	207	1/1/2014	1/1/2015	1/1/2014	1/1/2015	1/1/2014	1/1/2015	0	14SP
CRGL	AG2-2012-009	76874355	WR	ERCOTN	207	1/1/2015	1/1/2016	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	18SP
CRGL	AG2-2012-010	76874356	CSWS	ERCOTN	207	1/1/2015	1/1/2016	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	18SP
CRGL	AG2-2012-011	76874357	ERCOTN	ERCOTN	207	1/1/2015	1/1/2016	1/1/2015	1/1/2016	1/1/2015	1/1/2016	0	18SP
CRGL	AG2-2012-012	76874362	WR	ERCOTN	207	1/1/2016	1/1/2017	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	23SP
CRGL	AG2-2012-013	76874364	CSWS	ERCOTN	207	1/1/2016	1/1/2017	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	23SP
CRGL	AG2-2012-014	76874366	ERCOTN	ERCOTN	207	1/1/2016	1/1/2017	1/1/2016	1/1/2017	1/1/2016	1/1/2017	0	23SP
CRGL	AG2-2012-024	76970366	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
CRGL	AG2-2012-025	76970369	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
CRGL	AG2-2012-026	76970371	OKGE	EES	35	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
CRGL	AG2-2012-027	76970372	OKGE	EES	15	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
CRGL	AG2-2012-028	76970376	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	18SP
CRGL	AG2-2012-029	76970381	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	18SP
CRGL	AG2-2012-030	76970390	WPEK	EES	100	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	18SP
GRDX	AG2-2012-002	76771987	OKGE	GRDA	48	12/1/2012	2/1/2033	6/1/2019	8/1/2039	Note 4	Note 4	0	13SP
GSEC	AG2-2012-019	76945028	SPS	SPS	40	1/1/2015	12/31/2039	6/1/2019	5/1/2044	1/1/2015	12/1/2039	0	18SP
GSEC	AG2-2012-020	76945034	SPS	SPS	15	1/1/2015	12/31/2039	6/1/2019	5/1/2044	1/1/2015	12/1/2039	0	18SP
GSEC	AG2-2012-021	76945060	SPS	SPS	15	1/1/2015	12/31/2039	6/1/2019	5/1/2044	1/1/2015	12/1/2039	0	18SP
HZN	AG2-2012-016	76941468	WFEC	EES	41	3/1/2014	3/1/2019	6/1/2019	6/1/2024	Note 4	Note 4	0	14SP
HZN	AG2-2012-017	76941481	WFEC	EES	60	1/1/2016	1/1/2021	6/1/2019	6/1/2024	Note 4	Note 4	0	23SP
HZN	AG2-2012-018	76941507	WR	EES	85	1/1/2015	1/1/2020	6/1/2019	6/1/2024	Note 4	Note 4	0	18SP
KCPS	AG2-2012-033	76971296	KCPL	MPS	170	6/1/2014	6/1/2015	6/1/2019	6/1/2020	6/1/2019	6/1/2020	0	14SP
KEPC	AG2-2012-031	76970941	NPPD	WR	12	12/1/2012	10/1/2024	6/1/2019	4/1/2031	6/1/2019	4/1/2031	0	13SP
KEPC	AG2-2012-032	76970993	NPPD	SECI	2	12/1/2012	10/1/2024	6/1/2019	4/1/2031	6/1/2019	4/1/2031	0	13SP
PSCM	AG2-2012-022	76955870	SPS	LAM345	101	3/1/2013	3/1/2018	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	13SP
SECI	AG2-2012-015	76902942	SECI	SECI	55	1/1/2014	1/1/2044	6/1/2019	6/1/2049	6/1/2019	6/1/2049	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</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
AEPM	AG2-2012-037	76971840	\$ 970,464	\$ 970,464	\$ -	-	Indeterminate	\$ 2,510,695	\$ -	\$ 2,510,695
AEPM	AG2-2012-038	76971841	\$ 986,229	\$ 986,229	\$ -	-	Indeterminate	\$ 2,558,090	\$ -	\$ 2,558,090
AEPM	AG2-2012-039	76971857	\$ 27,481,402	\$ 27,481,402	\$ -	-	\$ -	\$ 62,453,020	\$ -	\$ 62,453,020
AEPM	AG2-2012-040	76971862	\$ 6,197,872	\$ 6,197,872	\$ -	-	\$ -	\$ 10,627,420	\$ -	\$ 10,627,420
BPAE	AG2-2012-034	76971720	\$ 38,144,455	\$ 38,144,455	\$ -	6,11	Indeterminate	\$ 116,503,851	\$ 7,902,000	\$ 116,503,851
BPAE	AG2-2012-035	76971734	\$ 34,817,221	\$ 34,817,221	\$ -	6,11	Indeterminate	\$ 102,827,101	\$ 7,902,000	\$ 102,827,101
BPAE	AG2-2012-036	76971743	\$ 34,194,553	\$ 34,194,553	\$ -	6,11	Indeterminate	\$ 100,783,733	\$ 11,520,000	\$ 100,783,733
BPAE	AG2-2012-043	76974049	\$ 12,624,153	\$ 12,624,153	\$ -	-	Indeterminate	\$ 36,798,938	\$ 2,634,000	\$ 36,798,938
BPAE	AG2-2012-044	76974059	\$ 12,624,153	\$ 12,624,153	\$ -	-	Indeterminate	\$ 36,798,938	\$ 2,634,000	\$ 36,798,938
BPAE	AG2-2012-045	76974069	\$ 7,574,493	\$ 7,574,493	\$ -	-	Indeterminate	\$ 22,079,365	\$ 1,580,400	\$ 22,079,365
CRGL	AG2-2012-001	76591148	\$ -	\$ -	\$ -	7,11	\$ -	\$ -	\$ 18,904,606	\$ 18,904,610
CRGL	AG2-2012-003	76874343	\$ 12,096,011	\$ 12,096,011	\$ -	-	Indeterminate	\$ 31,982,561	\$ 3,780,921	\$ 31,982,561
CRGL	AG2-2012-006	76874347	\$ 12,096,011	\$ 12,096,011	\$ -	8,11	Indeterminate	\$ 31,982,561	\$ 3,780,921	\$ 31,982,561
CRGL	AG2-2012-007	76874349	\$ 268,372	\$ 268,372	\$ -	8,11	\$ -	\$ 640,338	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-008	76874351	\$ -	\$ -	\$ -	8,11	\$ -	\$ -	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-009	76874355	\$ 12,096,011	\$ 12,096,011	\$ -	9,11	Indeterminate	\$ 31,982,561	\$ 3,780,921	\$ 31,982,561
CRGL	AG2-2012-010	76874356	\$ 268,372	\$ 268,372	\$ -	9,11	\$ -	\$ 640,338	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-011	76874357	\$ -	\$ -	\$ -	9,11	\$ -	\$ -	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-012	76874362	\$ 12,096,012	\$ 12,096,012	\$ -	10,11	Indeterminate	\$ 31,982,561	\$ 3,780,921	\$ 31,982,561
CRGL	AG2-2012-013	76874364	\$ 268,372	\$ 268,372	\$ -	10,11	\$ -	\$ 640,338	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-014	76874366	\$ -	\$ -	\$ -	10,11	\$ -	\$ -	\$ 3,780,921	\$ 3,780,921
CRGL	AG2-2012-024	76970366	\$ 21,476,550	\$ 21,476,550	\$ -	-	Indeterminate	\$ 62,349,540	\$ 7,680,000	\$ 62,349,540
CRGL	AG2-2012-025	76970369	\$ 18,899,261	\$ 18,899,261	\$ -	-	Indeterminate	\$ 54,356,040	\$ 7,680,000	\$ 54,356,040
CRGL	AG2-2012-026	76970371	\$ 6,614,741	\$ 6,614,741	\$ -	-	Indeterminate	\$ 19,024,610	\$ 2,688,000	\$ 19,024,610
CRGL	AG2-2012-027	76970372	\$ 2,834,888	\$ 2,834,888	\$ -	-	Indeterminate	\$ 8,153,404	\$ 1,152,000	\$ 8,153,404
CRGL	AG2-2012-028	76970376	\$ 45,215,510	\$ 45,215,510	\$ -	-	Indeterminate	\$ 162,382,456	\$ 30,720,000	\$ 162,382,456
CRGL	AG2-2012-029	76970381	\$ 45,215,510	\$ 45,215,510	\$ -	-	Indeterminate	\$ 162,382,456	\$ 30,720,000	\$ 162,382,456
CRGL	AG2-2012-030	76970390	\$ 22,607,754	\$ 22,607,754	\$ -	-	Indeterminate	\$ 81,191,224	\$ 15,360,000	\$ 81,191,224
GRDX	AG2-2012-002	76771987	\$ 1,630,111	\$ 269,242	\$ 1,360,869	-	Indeterminate	\$ 1,468,295	\$ -	\$ 1,468,295
GSEC	AG2-2012-019	76945028	\$ 98,306	\$ -	\$ 98,306	\$ -	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
GSEC	AG2-2012-020	76945034	\$ 57,365	\$ -	\$ 57,365	\$ -	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
GSEC	AG2-2012-021	76945060	\$ 57,365	\$ -	\$ 57,365	\$ -	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
HZN	AG2-2012-016	76941468	\$ 8,645,016	\$ 8,645,016	\$ -	-	Indeterminate	\$ 24,725,200	\$ 3,148,800	\$ 24,725,200
HZN	AG2-2012-017	76941481	\$ 12,651,244	\$ 12,651,244	\$ -	-	Indeterminate	\$ 36,183,220	\$ 4,608,000	\$ 36,183,220
HZN	AG2-2012-018	76941507	\$ 26,018,511	\$ 26,018,511	\$ -	-	Indeterminate	\$ 79,108,467	\$ 6,528,000	\$ 79,108,467
KPCS	AG2-2012-033	76971296	\$ 14,600,970	\$ -	\$ 14,600,970	-	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KEPC	AG2-2012-031	76970941	\$ 82,883	\$ -	\$ 82,883	\$ -	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KEPC	AG2-2012-032	76970993	\$ 47,197	\$ 47,197	\$ -	-	\$ -	\$ 190,074	\$ -	\$ 190,074
PSCM	AG2-2012-022	76955870	\$ 1,166,485	\$ 1,166,485	\$ -	-	Indeterminate	\$ 2,931,900	\$ 11,683,680	\$ 11,683,680
SECI	AG2-2012-015	76902942	\$ 1,205,533	\$ -	\$ 1,205,533	-	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
<b>Grand Total</b>			<b>\$ 453,929,357</b>		<b>\$ 17,463,291</b>			<b>\$ 1,318,239,294</b>		

**Note 1:** Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the 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 allocation. This letter of credit is not required for those facilities that are fully base plan funded. The Letter Of Credit Amount listed is based on meeting OATT Attachment J requirements for base plan funding.

**Note 2:** If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan 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.



**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
<p><b>Note 3:</b> Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided RR in the case of a Base Plan upgrade being displaced or 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 year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan RR due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The incremental increase in present worth of a Requested Upgrade on a common year basis as a Base Plan upgrade is assigned to the transmission requests impacting the upgrade based on the displacement or deferral. If the displacement analysis results in lower RR due to the shorter amortization period of the requested upgrade when compared to a base plan amortization period, then no direct assignment of the upgrade cost is made due to the displacement to an earlier start date.</p> <p><b>Note 4:</b> For Point-to-Point requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E &amp; C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits can be paid from base plan funding if applicable.</p> <p><b>Note 5:</b> RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.</p> <p><b>Note 6:</b> Mutually exclusive requests: 76971720, 76971734, and 76971743. System impacts were identified by only modeling mutually exclusive request 76971743.</p> <p><b>Note 7:</b> Mutually exclusive requests: 76591148, 76874347, 76874349, 76874351, 76874355, 76874356, 76874357, 76874362, 76874364, and 76874366. System impacts were identified by only modeling mutually exclusive request 76874347, 76874355, and 76874362.</p> <p><b>Note 8:</b> Mutually exclusive requests: 76591148, 76874347, 76874349, and 76874351. System impacts were identified by only modeling mutually exclusive request 76874347.</p> <p><b>Note 9:</b> Mutually exclusive requests: 76591148, 76874355, 76874356, and 76874357. System impacts were identified by only modeling mutually exclusive request 76874355.</p> <p><b>Note 10:</b> Mutually exclusive requests: 76591148, 76874362, 76874364, and 76874366. System impacts were identified by only modeling mutually exclusive request 76874362.</p> <p><b>Note 11:</b> ATSS cost allocation includes all customers' mutually exclusive requests in SPP-2012-AG2.</p>										

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

Customer Study Number  
AEPM AG2-2012-037

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	76971840	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 970,464	\$ 2,510,695
									\$ -	\$ -	\$ 970,464	\$ 2,510,695

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971840	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 58,463	\$ 2,850,000	\$ 180,680
	ARSENAL HILL - RAINES 138KV CKT 1	10/1/2018	10/1/2018			\$ 94,424	\$ 4,677,750	\$ 216,288
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 1,960	\$ 225,000	\$ 3,185
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 195,392	\$ 275,120,000	\$ 628,071
	LONGWOOD - NORAM 138KV CKT 1	10/1/2019	10/1/2019			\$ 71,270	\$ 3,541,600	\$ 144,001
	NORAM - RAINES 138KV CKT 1	10/1/2019	10/1/2019			\$ 85,292	\$ 4,237,313	\$ 177,608
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 3,069	\$ 303,750	\$ 10,456
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2016	6/1/2017			\$ 5,627	\$ 303,750	\$ 14,520
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 18,764	\$ 2,260,000	\$ 44,317
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019		No	\$ 436,203	\$ 119,355,000	\$ 1,091,569
Total						\$ 970,464	\$ 412,874,163	\$ 2,510,695

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
76971840	BROKEN ARROW NORTH - SOUTH TAP - LYNN LANE TAP 138KV CKT 1	6/1/2019	6/1/2019		
	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	6/1/2019	6/1/2019		
	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2016	6/1/2017		
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV 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
76971840	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	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
76971840	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		
	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76971840	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 1,927	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 335	\$ 100,000
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 43,856	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	0.07%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	0.37%	100.00%
Total						\$ 46,118	\$ 12,725,000

\*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 AG2-2012-038

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
AEPM	76971841	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 986,229	\$ 2,558,090
									\$ -	\$ -	\$ 986,229	\$ 2,558,090

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971841	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 73,227	\$ 2,850,000	\$ 226,308
	ARSENAL HILL - RAINES 138KV CKT 1	10/1/2018	10/1/2018			\$ 94,525	\$ 4,677,750	\$ 216,520
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 1,957	\$ 225,000	\$ 3,180
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 194,443	\$ 275,120,000	\$ 625,020
	LONGWOOD - NORAM 138KV CKT 1	10/1/2019	10/1/2019			\$ 71,333	\$ 3,541,600	\$ 144,128
	NORAM - RAINES 138KV CKT 1	10/1/2019	10/1/2019			\$ 85,369	\$ 4,237,313	\$ 177,768
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 3,093	\$ 303,750	\$ 10,538
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2016	6/1/2017			\$ 5,614	\$ 303,750	\$ 14,487
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 18,776	\$ 2,260,000	\$ 44,345
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019		No	\$ 437,892	\$ 119,355,000	\$ 1,095,795
Total						\$ 986,229	\$ 412,874,163	\$ 2,558,090

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
76971841	BROKEN ARROW NORTH - SOUTH TAP - LYNN LANE TAP 138KV CKT 1	6/1/2019	6/1/2019		
	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	6/1/2019	6/1/2019		
	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2016	6/1/2017		
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV 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
76971841	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	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
76971841	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		
	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76971841	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 1,860	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 321	\$ 100,000
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 44,026	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	0.07%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	0.37%	100.00%
Total						\$ 46,207	\$ 12,725,000

\*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 AG2-2012-039

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
AEPM	76971857	MPS	CSWS	260	6/1/2016	6/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 27,481,402	\$ 62,453,015
									\$ -	\$ -	\$ 27,481,402	\$ 62,453,015

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
76971857	ARSENAL HILL - RAINES 138KV CKT 1	10/1/2018	10/1/2018			\$ 2,408,817	\$ 4,677,750	\$ 4,345,628	
	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 25,793	\$ 1,183,000	\$ 61,421	
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 51,652	\$ 225,000	\$ 73,928	
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		Yes	\$ 20,276,356	\$ 275,120,000	\$ 50,084,384	
	LONGWOOD - NORAM 138KV CKT 1	10/1/2019	10/1/2019			\$ 1,823,292	\$ 3,541,600	\$ 2,901,358	
	NORAM - RAINES 138KV CKT 1	10/1/2019	10/1/2019			\$ 2,181,457	\$ 4,237,313	\$ 3,577,560	
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 66,543	\$ 303,750	\$ 178,562	
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2016	6/1/2017		Yes	\$ 149,745	\$ 303,750	\$ 304,343	
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 497,747	\$ 2,260,000	\$ 925,832	
						Total	\$ 27,481,402	\$ 291,852,163	\$ 62,453,015

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
76971857	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT #1	10/1/2014	6/1/2015		
	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	6/1/2019	6/1/2019		
	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2016	6/1/2017		Yes
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV 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
76971857	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		Yes
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT #2 Accelerate	10/1/2014	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT #2 Accelerate	10/1/2014	6/1/2016		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT #2 Accelerate	6/1/2015	6/1/2016		
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		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
76971857	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	10/1/2019	10/1/2019		
	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		
	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		

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
76971857	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019	6/1/2019	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971857	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		Yes	7.37%	100.00%
	MORGAN - STOCKTON 161KV CKT 1	6/1/2016	6/1/2016			\$ 155,000	\$ 155,000
						Total	\$ 155,000 \$ 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 AG2-2012-040

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
AEPM	76971862	EES	CSWS	225	6/1/2016	6/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 6,197,872	\$ 10,627,419
									\$ -	\$ -	\$ 6,197,872	\$ 10,627,419

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971862	ARSENAL HILL - RAINES 138KV CKT 1	10/1/2018	10/1/2018			\$ 2,079,984	\$ 4,677,750	\$ 3,752,396
	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 15,066	\$ 1,183,000	\$ 35,877
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 40,405	\$ 225,000	\$ 57,831
	LONGWOOD - NORAM 138KV CKT 1	10/1/2019	10/1/2019			\$ 1,575,705	\$ 3,541,600	\$ 2,507,379
	NORAM - RAINES 138KV CKT 1	10/1/2019	10/1/2019			\$ 1,885,195	\$ 4,237,313	\$ 3,091,694
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 47,107	\$ 303,750	\$ 126,407
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2016	6/1/2017		Yes	\$ 142,763	\$ 303,750	\$ 290,153
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 411,647	\$ 2,260,000	\$ 765,682
<b>Total</b>						\$ 6,197,872	\$ 16,732,163	\$ 10,627,419

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
76971862	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	6/1/2019	6/1/2019		
	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2016	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
76971862	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		Yes

Credits may be required for the following Network Upgrades in accordance with Attachment 22 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971862	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		
	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		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		

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
76971862	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019	6/1/2019	Yes

\*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  
 BPAE AG2-2012-034

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
BPAE	76971720	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 7,902,000	\$ 38,144,455	\$ 116,503,851
									\$ -	\$ 7,902,000	\$ 38,144,455	\$ 116,503,851

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
76971720	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 111,494	\$ 1,183,000	\$ 329,468	
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$153,292.06	\$ 4,145,572	\$ 436,327	
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 28,435,196	\$ 275,120,000	\$ 91,402,501	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,029,031	\$ 10,387,750	\$ 2,929,018	
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 94,319	\$ 2,550,731	\$ 268,469	
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 10,969	\$ 303,750	\$ 37,372	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 904,188	\$ 9,127,831	\$ 2,573,667	
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 7,307,696	\$ 119,355,000	\$ 18,287,021	
	Viola - Gill 138KV Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 43,609	\$ 1,041,108	\$ 108,327	
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 54,661	\$ 721,210	\$ 131,683	
						Total	\$ 38,144,455	\$ 423,935,952	\$ 116,503,851

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
76971720	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76971720	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	10/1/2014	6/1/2015		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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

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
76971720	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kV Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76971720	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		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	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		

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
76971720	Viola - Clearwater 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971720	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 77,974	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 11,814	\$ 100,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			9.43%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	No		\$ 734,719	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015	No		-	-
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	No		10.34%	100.00%
	VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2019	No		6.12%	100.00%
				Total		\$ 824,507	\$ 12,725,000

\*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  
BPAE AG2-2012-035

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
BPAE	76971734	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 7,902,000	\$ 34,817,221	\$ 102,827,101

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971734	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 111,763	\$ 1,183,000	\$ 330,263
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 186,644	\$ 4,145,572	\$ 531,260
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 20,789,307	\$ 275,120,000	\$ 66,825,446
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,136,442	\$ 10,387,750	\$ 3,234,751
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 114,840	\$ 2,550,731	\$ 326,878
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 16,911	\$ 303,750	\$ 57,616
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 998,527	\$ 9,127,831	\$ 2,842,192
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 11,373,157	\$ 119,355,000	\$ 28,460,565
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 29,396	\$ 1,041,108	\$ 73,021
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 60,234	\$ 721,210	\$ 145,108
	<b>Total</b>					\$ 34,817,221	\$ 423,935,952	\$ 102,827,101

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
76971734	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76971734	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No



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

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
76971734	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76971734	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		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	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		

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
76971734	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971734	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 61,103	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 9,026	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			9.14%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 1,143,462	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	7.56%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 25,693	\$ 225,000
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019		No	9.53%	100.00%
					Total	\$ 1,239,284	\$ 12,950,000

\*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  
BPAE AG2-2012-036

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
BPAE	76971743	SECI	EES	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 11,520,000	\$ 34,194,553	\$ 100,783,733

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971743	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 111,510	\$ 1,183,000	\$ 329,515
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 191,463	\$ 4,145,572	\$ 544,979
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 20,092,156	\$ 275,120,000	\$ 64,584,514
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,147,357	\$ 10,387,750	\$ 3,265,819
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 117,805	\$ 2,550,731	\$ 335,318
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 18,639	\$ 303,750	\$ 63,504
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,008,193	\$ 9,127,831	\$ 2,869,705
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 11,419,067	\$ 119,355,000	\$ 28,575,452
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 27,393	\$ 1,041,108	\$ 68,046
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 60,970	\$ 721,210	\$ 146,881
	Total					\$ 34,194,553	\$ 423,935,952	\$ 100,783,733

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
76971743	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76971743	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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

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
76971743	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kV Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8kV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76971743	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		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	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		

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
76971743	Viola - Clearwater 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971743	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 58,529	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 8,623	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			8.87%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	No		\$ 1,148,078	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015	No		\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016	No		\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016	No		\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	No		7.30%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016	No		\$ 23,954	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			13.55%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019	No		9.57%	100.00%
				Total		\$ 1,239,184	\$ 12,950,000

\*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  
 BPAE AG2-2012-043

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
BPAE	76974049	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 2,634,000	\$ 12,624,153	\$ 36,798,938

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76974049	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 37,898	\$ 1,183,000	\$ 111,990
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 71,903	\$ 4,145,572	\$ 204,662
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 7,151,719	\$ 275,120,000	\$ 22,988,588
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 111,683	\$ 10,387,750	\$ 317,893
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 44,242	\$ 2,550,731	\$ 125,929
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 6,108	\$ 303,750	\$ 20,810
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 98,151	\$ 9,127,831	\$ 279,375
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 4,077,070	\$ 119,355,000	\$ 10,202,595
	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 705,641	\$ 1,897,532	\$ 1,752,850
	Viola - Gill 138KV Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 319,738	\$ 1,041,108	\$ 794,246
	<b>Total</b>					\$ 12,624,153	\$ 425,112,274	\$ 36,798,938

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
76974049	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No

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
76974049	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345KV AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345KV OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76974049	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76974049	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		

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
76974049	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974049	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 22,597	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 3,482	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			2.66%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 409,910	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	2.60%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 9,075	\$ 225,000
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019		No	3.42%	100.00%
					Total	\$ 445,064	\$ 12,950,000

\*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  
BPAE AG2-2012-044

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
BPAE	76974059	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 2,634,000	\$ 12,624,153	\$ 36,798,938

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76974059	BENTON - WICHITA 345KV CKT 1	6/1/2013	6/1/2016	6/1/2015		\$ 37,898	\$ 1,183,000	\$ 111,990
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 71,903	\$ 4,145,572	\$ 204,662
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 7,151,719	\$ 275,120,000	\$ 22,988,588
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 111,683	\$ 10,387,750	\$ 317,893
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 44,242	\$ 2,550,731	\$ 125,929
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 6,108	\$ 303,750	\$ 20,810
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 98,151	\$ 9,127,831	\$ 279,375
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 4,077,070	\$ 119,355,000	\$ 10,202,595
	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 705,641	\$ 1,897,532	\$ 1,752,850
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 319,738	\$ 1,041,108	\$ 794,246
	<b>Total</b>					\$ 12,624,153	\$ 425,112,274	\$ 36,798,938

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
76974059	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No

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
76974059	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76974059	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76974059	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		

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
76974059	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974059	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 22,597	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 3,482	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			2.66%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 409,910	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	2.60%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 9,075	\$ 225,000
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019		No	3.42%	100.00%
					Total	\$ 445,064	\$ 12,950,000

\*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  
BPAE AG2-2012-045

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
BPAE	76974069	WR	AMRN	30	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 1,580,400	\$ 7,574,493	\$ 22,079,365

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76974069	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 22,739	\$ 1,183,000	\$ 67,194
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 43,142	\$ 4,145,572	\$ 122,797
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 4,291,031	\$ 275,120,000	\$ 13,793,151
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 67,010	\$ 10,387,750	\$ 190,736
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 26,545	\$ 2,550,731	\$ 75,557
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 3,665	\$ 303,750	\$ 12,487
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 58,891	\$ 9,127,831	\$ 167,626
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 2,446,242	\$ 119,355,000	\$ 6,121,557
	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 423,385	\$ 1,897,532	\$ 1,051,711
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 191,843	\$ 1,041,108	\$ 476,548
	<b>Total</b>					\$ 7,574,493	\$ 425,112,274	\$ 22,079,365

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
76974069	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No

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
76974069	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76974069	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76974069	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		

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
76974069	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes



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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974069	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 13,558	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 2,089	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			1.60%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 245,946	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	1.56%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 5,445	\$ 225,000
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019		No	2.05%	100.00%
					Total	\$ 267,038	\$ 12,950,000

\*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  
CRGL AG2-2012-001

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
CRGL	76591148	ERCOTN	ERCOTN	207	2/1/2014	2/1/2019			\$ -	\$ 18,904,606	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76591148	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

\*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  
CRGL AG2-2012-003

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
CRGL	76874343	WR	ERCOTN	207	1/1/2013	1/1/2014	6/3/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 12,096,011	\$ 31,982,561

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874343	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 81,964	\$ 1,183,000	\$ 210,561
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 522,574	\$ 4,145,572	\$ 1,246,868
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 32,256	\$ 225,000	\$ 48,092
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 9,832,722	\$ 275,120,000	\$ 26,658,109
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 591,383	\$ 10,387,750	\$ 1,411,047
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 321,534	\$ 2,550,731	\$ 767,183
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 73,776	\$ 2,260,000	\$ 149,179
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 519,626	\$ 9,127,831	\$ 1,239,834
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 120,176	\$ 721,210	\$ 251,687
	<b>Total</b>					\$ 12,096,011	\$ 305,721,094	\$ 31,982,561

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
76874343	JATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76874343	Arcadia 345 kv Terminal Upgrades	6/1/2013	6/1/2016		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No
	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	Line - Harrington - Randall County 230 kv	6/1/2013	6/1/2014		No
	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	10/1/2013	12/1/2014		No

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

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
76874343	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	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
76874343	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76874343	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76874343	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	9.96%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	3.57%	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  
CRGL AG2-2012-006

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
CRGL	76874347	WR	ERCOTN	207	1/1/2014	1/1/2015	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 12,096,011	\$ 31,982,561

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874347	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 81,964	\$ 1,183,000	\$ 210,561
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 522,574	\$ 4,145,572	\$ 1,246,868
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 32,256	\$ 225,000	\$ 48,092
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 9,832,722	\$ 275,120,000	\$ 26,658,109
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 591,383	\$ 10,387,750	\$ 1,411,047
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 321,534	\$ 2,550,731	\$ 767,183
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018		No	\$ 73,776	\$ 2,260,000	\$ 149,179
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 519,626	\$ 9,127,831	\$ 1,239,834
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 120,176	\$ 721,210	\$ 251,687
	<b>Total</b>					\$ 12,096,011	\$ 305,721,094	\$ 31,982,561

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
76874347	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76874347	Arcadia 345 kv Terminal Upgrades	6/1/2013	6/1/2016		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No
	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	Line - Harrington - Randall County 230 kv	6/1/2013	6/1/2014		

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

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
76874347	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	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
76874347	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76874347	Viola - Clearwater 138kv Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76874347	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	9.96%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	3.57%	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  
CRGL AG2-2012-007

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
CRGL	76874349	CSWS	ERCOTN	207	1/1/2014	1/1/2015	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 268,372	\$ 640,338

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874349	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 166,145	\$ 4,145,572	\$ 396,424
	Mathewson 345 kV Accelerate	6/1/2013	6/1/2019		No	\$ 102,227	\$ 2,550,731	\$ 243,914
					Total	\$ 268,372	\$ 6,696,303	\$ 640,338

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
76874349	Line - Clark County - Thistle 345 kV dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kV dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kV dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kV dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kV line SPS	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV Ckt 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV Ckt 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kV	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kV	6/1/2013	1/1/2015		No

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
76874349	Arcadia 345 kV Terminal Upgrades	6/1/2013	6/1/2016		No
	BLUEBELL - PRATTVILLE 138KV Ckt 1	6/1/2014	6/1/2015		No
	Cherry Co - Gentleman 345 kV Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kV Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kV Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kV	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kV AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kV OKGE	6/1/2013	3/1/2018		No
	Line - Harrington - Randall County 230 kV	6/1/2013	6/1/2014		No

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
76874349	ADABELL - VBI 161KV Ckt 1	6/1/2013	6/1/2018		No
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV Ckt 1	6/1/2013	6/1/2014		No
	FT SMITH - MUSKOGEE 345KV Ckt 1	6/1/2013	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV Ckt 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbi Ckt MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbi Ckt WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbi Ckt	6/1/2013	6/1/2019		No

**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
76874349	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	10/1/2019	10/1/2019		
	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 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		

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
76874349	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018	6/1/2018	Yes
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2019	6/1/2019	Yes

\*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  
 CRGL AG2-2012-008

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
CRGL	76874351	ERCOTN	ERCOTN	207	1/1/2014	1/1/2015			\$ -	\$ 3,780,921	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874351	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

\*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  
CRGL AG2-2012-009

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
CRGL	76874355	WR	ERCOTN	207	1/1/2015	1/1/2016	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 12,096,011	\$ 31,982,561

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874355	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 81,964	\$ 1,183,000	\$ 210,561
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		Yes	\$ 522,574	\$ 4,145,572	\$ 1,246,868
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 32,256	\$ 225,000	\$ 48,092
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 9,832,722	\$ 275,120,000	\$ 26,658,109
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		Yes	\$ 591,383	\$ 10,387,750	\$ 1,411,047
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		Yes	\$ 321,534	\$ 2,550,731	\$ 767,183
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018		No	\$ 73,776	\$ 2,260,000	\$ 149,179
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		Yes	\$ 519,626	\$ 9,127,831	\$ 1,239,834
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 120,176	\$ 721,210	\$ 251,687
	<b>Total</b>					\$ 12,096,011	\$ 305,721,094	\$ 31,982,561

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
76874355	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kv	6/1/2013	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
76874355	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		Yes
	Elk City 345/230 kv	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		Yes
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No
	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	Line - Harrington - Randall County 230 kv	6/1/2013	6/1/2014		

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

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
76874355	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		Yes
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		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
76874355	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76874355	Viola - Clearwater 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes
	Viola - Gill 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76874355	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	3.57%	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  
CRGL AG2-2012-010

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
CRGL	76874356	CSWS	ERCOTN	207	1/1/2015	1/1/2016	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 268,372	\$ 640,338

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874356	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	6/1/2013	6/1/2019		Yes	\$ 166,145	\$ 4,145,572	\$ 396,424
	Mathewson 345 kV Accelerate	6/1/2013	6/1/2019		Yes	\$ 102,227	\$ 2,550,731	\$ 243,914
					Total	\$ 268,372	\$ 6,696,303	\$ 640,338

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
76874356	Line - Clark County - Thistle 345 kV dbi Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kV dbi Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kV dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kV dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kV	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kV	6/1/2013	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
76874356	Cherry Co - Gentleman 345 kV Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	10/1/2013	1/1/2018		Yes
	Elk City 345/230 kV	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kV AEPW	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kV OKGE	6/1/2013	3/1/2018		Yes
	Line - Harrington - Randall County 230 kV	6/1/2013	6/1/2014		

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
76874356	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl Ckt MKEC	6/1/2013	6/1/2019		Yes
	Mullergren - Reno 345KV Dbl Ckt WERE	6/1/2013	6/1/2019		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbl Ckt	6/1/2013	6/1/2019		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
76874356	BELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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 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		

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
76874356	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018	6/1/2018	Yes
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2019	6/1/2019	Yes

\*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  
 CRGL AG2-2012-011

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
CRGL	76874357	ERCOTN	ERCOTN	207	1/1/2015	1/1/2016			\$ -	\$ 3,780,921	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874357	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

\*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  
CRGL AG2-2012-012

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
CRGL	76874362	WR	ERCOTN	207	1/1/2016	1/1/2017	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 12,096,012	\$ 31,982,561

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874362	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 81,964	\$ 1,183,000	\$ 210,561
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		Yes	\$ 522,574	\$ 4,145,572	\$ 1,246,868
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 32,256	\$ 225,000	\$ 48,092
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 9,832,722	\$ 275,120,000	\$ 26,658,109
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		Yes	\$ 591,383	\$ 10,387,750	\$ 1,411,047
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		Yes	\$ 321,535	\$ 2,550,731	\$ 767,183
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018		No	\$ 73,776	\$ 2,260,000	\$ 149,179
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		Yes	\$ 519,626	\$ 9,127,831	\$ 1,239,834
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 120,176	\$ 721,210	\$ 251,687
	<b>Total</b>					\$ 12,096,012	\$ 305,721,094	\$ 31,982,561

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
76874362	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2013	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
76874362	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		Yes
	Elk City 345/230 kv	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		Yes
	HITCHLAND INTERCHANGE () 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	Line - Harrington - Randall County 230 kv	6/1/2013	6/1/2014		

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
76874362	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		Yes
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		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
76874362	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		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76874362	Viola - Clearwater 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes
	Viola - Gill 138kV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76874362	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	3.57%	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  
CRGL AG2-2012-013

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
CRGL	76874364	CSWS	ERCOTN	207	1/1/2016	1/1/2017	6/1/2019	6/1/2020	\$ -	\$ 3,780,921	\$ 268,372	\$ 640,338

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874364	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	6/1/2013	6/1/2019		Yes	\$ 166,145	\$ 4,145,572	\$ 396,424
	Mathewson 345 kV Accelerate	6/1/2013	6/1/2019		Yes	\$ 102,227	\$ 2,550,731	\$ 243,914
					Total	\$ 268,372	\$ 6,696,303	\$ 640,338

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
76874364	Line - Clark County - Thistle 345 kV dbi Ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Spearville - Clark County 345 kV dbi Ckt	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kV dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kV dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kV line SPS	6/1/2013	6/1/2014		
	XFR - Thistle 345/138 kV	6/1/2013	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
76874364	Cherry Co - Gentleman 345 kV Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	10/1/2013	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	10/1/2013	1/1/2018		Yes
	Elk City 345/230 kV	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kV AEPW	6/1/2013	3/1/2018		Yes
	Elk City to Gracemont 345kV OKGE	6/1/2013	3/1/2018		Yes
	Line - Harrington - Randall County 230 kV	6/1/2013	6/1/2014		

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
76874364	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BUSHLAND INTERCHANGE - DEAF SMITH COUNTY INTERCHANGE 230KV CKT 1	6/1/2013	6/1/2014		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kV Dbl CKT MKEC	6/1/2013	6/1/2019		Yes
	Mullergren - Reno 345kV Dbl CKT WERE	6/1/2013	6/1/2019		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kV Dbl CKT	6/1/2013	6/1/2019		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
76874364	BELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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 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		

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

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
76874364	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018	6/1/2018	Yes
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2019	6/1/2019	Yes
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2019	6/1/2019	Yes

\*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  
 CRGL AG2-2012-014

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
CRGL	76874366	ERCOTN	ERCOTN	207	1/1/2016	1/1/2017			\$ -	\$ 3,780,921	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874366	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

\*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  
CRGL AG2-2012-024

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
CRGL	76970366	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 7,680,000	\$ 21,476,550	\$ 62,349,540

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970366	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 460,703	\$ 2,850,000	\$ 1,423,800
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 121,597	\$ 4,145,572	\$ 346,110
	Lacygne - Marissa 345KV KACP	6/1/2013	6/1/2019		No	\$ 11,592,614	\$ 275,120,000	\$ 37,263,464
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 74,817	\$ 2,550,731	\$ 212,957
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 15,154	\$ 303,750	\$ 51,630
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 9,211,666	\$ 119,355,000	\$ 23,051,578
					Total	\$ 21,476,550	\$ 404,325,053	\$ 62,349,540

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
76970366	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	6/1/2014	5/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76970366	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2014	6/1/2017		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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

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
76970366	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345Kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345Kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	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
76970366	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER 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
76970366	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76970366	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 42,636	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 7,271	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	4.66%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 926,145	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	\$ 4,211	\$ 100,000
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 17,757	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			9.39%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	7.72%	100.00%
	Total					\$ 993,809	\$ 12,950,000

\*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  
CRGL AG2-2012-025

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
CRGL	76970369	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 7,680,000	\$ 18,899,261	\$ 54,356,046

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970369	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 591,321	\$ 2,850,000	\$ 1,827,474
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 9,287,749	\$ 275,120,000	\$ 29,854,673
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 11,870	\$ 303,750	\$ 40,441
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2014			\$ 133,333	\$ 200,000	\$ 424,393
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019		No	\$ 8,874,988	\$ 119,355,000	\$ 22,209,064
	<b>Total</b>					\$ 18,899,261	\$ 397,828,750	\$ 54,356,046

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
76970369	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	6/1/2014	5/1/2015		No

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
76970369	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2014	6/1/2017		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76970369	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearsville - Mullergren 345KV Dbl CKT	6/1/2013	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
76970369	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	MENARD REC - TURK 115KV CKT 1	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		

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
76970369	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970369	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 35,589	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 6,195	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	3.37%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 892,295	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	3.38%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 15,822	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			9.75%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	7.44%	100.00%
					Total	\$ 949,901	\$ 12,950,000

\*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  
CRGL AG2-2012-026

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
CRGL	76970371	OKGE	EES	35	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 2,688,000	\$ 6,614,741	\$ 19,024,615

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970371	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 206,962	\$ 2,850,000	\$ 639,615
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 3,250,712	\$ 275,120,000	\$ 10,449,135
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 4,154	\$ 303,750	\$ 14,153
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2014			\$ 46,667	\$ 200,000	\$ 148,539
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019		No	\$ 3,106,246	\$ 119,355,000	\$ 7,773,173
	<b>Total</b>					\$ 6,614,741	\$ 397,828,750	\$ 19,024,615

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
76970371	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	6/1/2014	5/1/2015		No

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
76970371	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2014	6/1/2017		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76970371	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearsville - Mullergren 345KV Dbl CKT	6/1/2013	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
76970371	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	MENARD REC - TURK 115KV CKT 1	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		

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
76970371	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes



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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970371	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 12,456	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 2,168	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	1.18%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 312,303	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	1.18%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 5,538	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			3.41%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	2.60%	100.00%
					Total	\$ 332,465	\$ 12,950,000

\*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  
CRGL AG2-2012-027

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
CRGL	76970372	OKGE	EES	15	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 1,152,000	\$ 2,834,888	\$ 8,153,403

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970372	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017		No	\$ 88,698	\$ 2,850,000	\$ 274,121
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 1,393,162	\$ 275,120,000	\$ 4,478,200
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 1,780	\$ 303,750	\$ 6,065
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2014			\$ 20,000	\$ 200,000	\$ 63,659
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019		No	\$ 1,331,248	\$ 119,355,000	\$ 3,331,359
	<b>Total</b>					\$ 2,834,888	\$ 397,828,750	\$ 8,153,403

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
76970372	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	6/1/2014	5/1/2015		No

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
76970372	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2014	6/1/2017		No
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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
76970372	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbl CKT	6/1/2013	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
76970372	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV 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
76970372	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970372	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 5,338	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 929	\$ 100,000
	7OVERTON 345.00 (J) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		No	0.50%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 133,844	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015		No	\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	0.51%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 2,373	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			1.46%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	1.12%	100.00%
					Total	\$ 142,484	\$ 12,950,000

\*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  
CRGL AG2-2012-028

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
CRGL	76970376	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 45,215,510	\$ 162,382,456

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970376	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 147,907	\$ 1,183,000	\$ 518,333
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 258,674	\$ 4,145,572	\$ 902,191
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 26,171,117	\$ 275,120,000	\$ 102,403,975
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,674,291	\$ 10,387,750	\$ 5,839,525
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 159,159	\$ 2,550,731	\$ 555,110
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 24,913	\$ 303,750	\$ 102,022
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,471,313	\$ 9,127,831	\$ 5,131,586
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 15,246,531	\$ 119,355,000	\$ 46,750,529
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 35,749	\$ 1,041,108	\$ 105,313
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 25,856	\$ 721,210	\$ 73,870
	<b>Total</b>					\$ 45,215,510	\$ 423,935,952	\$ 162,382,456

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
76970376	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kv	6/1/2013	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
76970376	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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

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
76970376	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76970376	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76970376	Viola - Clearwater 138KV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970376	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 76,467	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 11,311	\$ 100,000
	7OVERTON 345.00 (J) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			11.47%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 1,532,892	\$ 12,000,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	9.51%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 31,670	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			18.07%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	12.77%	100.00%
					Total	\$ 1,652,340	\$ 12,950,000

\*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  
CRGL AG2-2012-029

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
CRGL	76970381	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 45,215,510	\$ 162,382,456

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970381	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016		No	\$ 147,907	\$ 1,183,000	\$ 518,333
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 258,674	\$ 4,145,572	\$ 902,191
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 26,171,117	\$ 275,120,000	\$ 102,403,975
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,674,291	\$ 10,387,750	\$ 5,839,525
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 159,159	\$ 2,550,731	\$ 555,110
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 24,913	\$ 303,750	\$ 102,022
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 1,471,313	\$ 9,127,831	\$ 5,131,586
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 15,246,531	\$ 119,355,000	\$ 46,750,529
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 35,749	\$ 1,041,108	\$ 105,313
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 25,856	\$ 721,210	\$ 73,870
	<b>Total</b>					\$ 45,215,510	\$ 423,935,952	\$ 162,382,456

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
76970381	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kv	6/1/2013	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
76970381	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No

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

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
76970381	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76970381	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76970381	Viola - Clearwater 138KV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970381	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 76,467	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 11,311	\$ 100,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			11.47%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 1,532,892	\$ 12,000,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	9.51%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 31,670	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			18.07%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	12.77%	100.00%
					Total	\$ 1,652,340	\$ 12,950,000

\*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  
CRGL AG2-2012-030

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
CRGL	76970390	WPEK	EES	100	1/1/2015	1/1/2025	6/1/2019	6/1/2029	\$ -	\$ 15,360,000	\$ 22,607,754	\$ 81,191,224

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970390	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 73,953	\$ 1,183,000	\$ 259,165
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 129,337	\$ 4,145,572	\$ 451,095
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 13,085,559	\$ 275,120,000	\$ 51,201,990
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 837,145	\$ 10,387,750	\$ 2,919,761
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 79,579	\$ 2,550,731	\$ 277,553
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017		Yes	\$ 12,456	\$ 303,750	\$ 51,009
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 735,657	\$ 9,127,831	\$ 2,565,795
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019		No	\$ 7,623,266	\$ 119,355,000	\$ 23,375,266
	Viola - Gill 138kv Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 17,874	\$ 1,041,108	\$ 52,655
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017		No	\$ 12,928	\$ 721,210	\$ 36,935
	<b>Total</b>					\$ 22,607,754	\$ 423,935,952	\$ 81,191,224

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
76970390	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kv	6/1/2013	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
76970390	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No



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

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
76970390	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345KV Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76970390	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76970390	Viola - Clearwater 138KV Ckt1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970390	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 38,234	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 5,656	\$ 100,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			5.73%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 766,446	\$ 12,000,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		No	\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	4.76%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016		No	\$ 15,835	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			9.04%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	6.39%	100.00%
					Total	\$ 826,171	\$ 12,950,000

\*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  
GRDX AG2-2012-002

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
GRDX	76771987	OKGE	GRDA	48	12/1/2012	2/1/2033	6/1/2019	8/1/2039	\$ 1,360,869	\$ -	\$ 1,630,111	\$ 8,970,915

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
76771987	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017			\$ 546,644	\$ 269,242	\$ 815,886	\$ 2,850,000	\$ 4,449,380
	BENTON - WICHITA 345KV CKT 1	6/1/2015	6/1/2016			\$ 11,217	\$ -	\$ 11,217	\$ 1,183,000	\$ 53,073
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019			\$ 801,296	\$ -	\$ 801,296	\$ 275,120,000	\$ 4,458,727
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 1,712	\$ -	\$ 1,712	\$ 303,750	\$ 9,735
	<b>Total</b>					<b>\$ 1,360,869</b>	<b>\$ 269,242</b>	<b>\$ 1,630,111</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
76771987	IATAN - NASHUA 345KV CKT 1	6/1/2013	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
76771987	BROKEN ARROW NORTH - SOUTH TAP - LYNN LANE TAP 138KV CKT 1	6/1/2019	6/1/2019		
	OKAY - UNARCO 69KV CKT 1	6/1/2015	6/1/2015		

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
76771987	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	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
76771987	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		

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
76771987	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019	6/1/2019	
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019	6/1/2019	
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019	6/1/2019	

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76771987	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019			0.29%	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  
GSEC AG2-2012-019

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
GSEC	76945028	SPS	SPS	40	1/1/2015	12/31/2039	6/1/2019	5/1/2044	\$ 98,306	\$ -	\$ 98,306	\$ 393,278
									\$ 98,306	\$ -	\$ 98,306	\$ 393,278

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945028	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2015			\$ 98,306	\$ 240,000	\$ 393,278
	Total					\$ 98,306	\$ 240,000	\$ 393,278

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
76945028	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		
	XFR - Thistle 345/138 kv	6/1/2013	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
76945028	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		
	Deaf Smith County 230/115 kv transformer ckt 2 upgrade	6/1/2015	6/1/2016		Yes
	Deaf Smith County 230/115 transformer upgrade ckt 1	6/1/2015	6/1/2016		Yes
	DENVER CITY INTERCHANGE S. - MUSTANG STATION N. 115KV CKT 2	6/1/2015	6/1/2016		Yes
	Elk City 345/230 kv	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		
	HITCHLAND INTERCHANGE - TEXAS COUNTY INTERCHANGE 115KV CKT 1	6/1/2019	6/1/2019		
	HITCHLAND INTERCHANGE (J) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2013	6/1/2019		Yes
	OCHILTREE - TRI COUNTY REC-COLE 115KV CKT 1	6/1/2015	6/1/2017		Yes
	OCHILTREE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	TRI COUNTY REC-COLE - TRI COUNTY REC-GUYMON 115KV CKT 1	6/1/2019	6/1/2019		
	XFR - Grassland transformer upgrade Ckt 1	6/1/2015	6/1/2015		
	XFR- Texas County Interchange 115/69 kv	6/1/2018	6/1/2018		

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
76945028	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl Ckt MKEC	6/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl Ckt WERE	6/1/2013	6/1/2019		
	POTASH JUNCTION INTERCHANGE (GE M100747) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2016		
	Spearville - Mullergren 345kv Dbl Ckt	6/1/2013	6/1/2019		

**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
76945028	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

\*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  
GSEC AG2-2012-020

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
GSEC	76945034	SPS	SPS	15	1/1/2015	12/31/2039	6/1/2019	5/1/2044	\$ 57,365	\$ -	\$ 57,365	\$ 229,492

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945034	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2015			\$ 57,365	\$ 240,000	\$ 229,492
Total						\$ 57,365	\$ 240,000	\$ 229,492

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
76945034	Deaf Smith County 230/115 kv transformer ckt 2 upgrade	6/1/2015	6/1/2016		
	Deaf Smith County 230/115 transformer upgrade ckt 1	6/1/2015	6/1/2016		
	DENVER CITY INTERCHANGE S. - MUSTANG STATION N. 115KV CKT 2	6/1/2015	6/1/2016		Yes
	HITCHLAND INTERCHANGE - TEXAS COUNTY INTERCHANGE 115KV CKT 1	6/1/2019	6/1/2019		
	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2013	6/1/2019		Yes
	OCHILTREE - TRI COUNTY REC-COLE 115KV CKT 1	6/1/2015	6/1/2017		
	OCHILTREE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	TRI COUNTY REC-COLE - TRI COUNTY REC-GUYMON 115KV CKT 1	6/1/2019	6/1/2019		
	XFR - Grassland transformer upgrade Ckt 1	6/1/2015	6/1/2015		
	XFR- Texas County Interchange 115/69 kv	6/1/2018	6/1/2018		
	YOAKUM COUNTY INTERCHANGE (GE M100899) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		
	YOAKUM COUNTY INTERCHANGE (PENN C010585) 230/115/13.2KV TRANSFORMER CKT 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
76945034	POTASH JUNCTION INTERCHANGE (GE M100747) 230/115/13.2KV TRANSFORMER CKT 1	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
76945034	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

\*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  
GSEC AG2-2012-021

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
GSEC	76945060	SPS	SPS	15	1/1/2015	12/31/2039	6/1/2019	5/1/2044	\$ 57,365	\$ -	\$ 57,365	\$ 229,492

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945060	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2015			\$ 57,365	\$ 240,000	\$ 229,492
Total						\$ 57,365	\$ 240,000	\$ 229,492

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
76945060	Deaf Smith County 230/115 kv transformer ckt 2 upgrade	6/1/2015	6/1/2016		
	Deaf Smith County 230/115 transformer upgrade ckt 1	6/1/2015	6/1/2016		
	DENVER CITY INTERCHANGE S. - MUSTANG STATION N. 115KV CKT 2	6/1/2015	6/1/2016		Yes
	HITCHLAND INTERCHANGE - TEXAS COUNTY INTERCHANGE 115KV CKT 1	6/1/2019	6/1/2019		
	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2013	6/1/2019		Yes
	OCHILTREE - TRI COUNTY REC-COLE 115KV CKT 1	6/1/2015	6/1/2017		
	OCHILTREE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		
	TRI COUNTY REC-COLE - TRI COUNTY REC-GUYMON 115KV CKT 1	6/1/2019	6/1/2019		
	XFR - Grassland transformer upgrade Ckt 1	6/1/2015	6/1/2015		
	XFR- Texas County Interchange 115/69 kv	6/1/2018	6/1/2018		
	YOAKUM COUNTY INTERCHANGE (GE M100899) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		
	YOAKUM COUNTY INTERCHANGE (PENN C010585) 230/115/13.2KV TRANSFORMER CKT 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
76945060	POTASH JUNCTION INTERCHANGE (GE M100747) 230/115/13.2KV TRANSFORMER CKT 1	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
76945060	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

\*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  
HZN AG2-2012-016

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
HZN	76941468	WFEC	EES	41	3/1/2014	3/1/2019	6/1/2019	6/1/2024	\$ -	\$ 3,148,800	\$ 8,645,016	\$ 24,725,200

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76941468	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017			\$ 225,192	\$ 2,850,000	\$ 695,954
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019			\$ 4,230,308	\$ 275,120,000	\$ 13,597,963
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 5,992	\$ 303,750	\$ 20,415
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 413,232	\$ 2,260,000	\$ 975,965
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019			\$ 3,770,292	\$ 119,355,000	\$ 9,434,904
	<b>Total</b>					\$ 8,645,016	\$ 399,888,750	\$ 24,725,200

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
76941468	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	6/1/2014	5/1/2015		

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
76941468	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2014	6/1/2017		
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		
	Elk City 345/230 kv	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		

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
76941468	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearsville - Mullergren 345KV Dbl CKT	6/1/2013	6/1/2019		

Credits may be required for the following Network Upgrades in accordance with Attachment 22 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76941468	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	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		

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
76941468	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76941468	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 15,793	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 2,707	\$ 100,000
	7OVERTON 345.00 (J) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			1.63%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019			\$ 379,067	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015			\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019			1.54%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016			\$ 6,867	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			3.92%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019			3.16%	100.00%
					Total	\$ 404,434	\$ 12,950,000

\*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  
 HZN AG2-2012-017

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
HZN	76941481	WFEC	EES	60	1/1/2016	1/1/2021	6/1/2019	6/1/2024	\$ -	\$ 4,608,000	\$ 12,651,244	\$ 36,183,223

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76941481	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2013	6/1/2017			\$ 329,549	\$ 2,850,000	\$ 1,018,469
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019			\$ 6,190,695	\$ 275,120,000	\$ 19,899,459
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 8,769	\$ 303,750	\$ 29,876
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2014	6/1/2018			\$ 604,730	\$ 2,260,000	\$ 1,428,241
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019			\$ 5,517,501	\$ 119,355,000	\$ 13,807,177
	<b>Total</b>					\$ 12,651,244	\$ 399,888,750	\$ 36,183,223

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
76941481	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		
	Elk City 345/230 kv	6/1/2013	3/1/2018		
	Elk City to Gracemont 345KV AEPW	6/1/2013	3/1/2018		
	Elk City to Gracemont 345KV OKGE	6/1/2013	3/1/2018		

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
76941481	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2014	6/1/2015		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Speerville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		

Credits may be required for the following Network Upgrades in accordance with Attachment 22 of the SPP OATT.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76941481	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		
	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		

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
76941481	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76941481	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 23,112	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 3,785	\$ 100,000
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019			\$ 554,732	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2014	6/1/2015			\$ -	\$ -
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019			2.25%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016			\$ 10,049	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			5.74%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019			4.62%	100.00%
					Total	\$ 591,678	\$ 12,950,000

\*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  
HZN AG2-2012-018

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
HZN	76941507	WR	EES	85	1/1/2015	1/1/2020	6/1/2019	6/1/2024	\$ -	\$ 6,528,000	\$ 26,018,511	\$ 79,108,467

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76941507	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019			\$ 68,374	\$ 4,145,572	\$ 194,621
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019			\$ 19,433,326	\$ 275,120,000	\$ 62,466,761
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019			\$ 179,283	\$ 10,387,750	\$ 510,308
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019			\$ 42,070	\$ 2,550,731	\$ 119,747
	PITTSBURG - VALLIANT 345KV CKT 1	10/1/2015	6/1/2017			\$ 9,824	\$ 303,750	\$ 33,471
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019			\$ 157,523	\$ 9,127,831	\$ 448,371
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2019			\$ 6,128,111	\$ 119,355,000	\$ 15,335,188
					Total	\$ 26,018,511	\$ 420,990,634	\$ 79,108,467

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
76941507	IATAN - NASHUA 345KV CKT 1	6/1/2013	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
76941507	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	10/1/2014	6/1/2015		
	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		
	Elk City 345/230 kv	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		
	WOLF CREEK 345/69KV TRANSFORMER CKT 1	1/1/2015	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
76941507	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2019	6/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2013	6/1/2019		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	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
76941507	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	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		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76941507	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2015	6/1/2015			\$ 38,764	\$ 625,000
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 5,576	\$ 100,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2014			5.72%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019			\$ 616,123	\$ 12,000,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019			7.06%	100.00%
	NORFORK - SOUTHLAND AECC 161KV CKT 1	6/1/2015	6/1/2016			\$ 14,177	\$ 225,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 CELE	10/1/2019	10/1/2019			7.61%	100.00%
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019			5.13%	100.00%
					Total	\$ 674,640	\$ 12,950,000

\*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  
 KCPS AG2-2012-033

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
KCPS	76971296	KCPL	MPS	170	6/1/2014	6/1/2015	6/1/2019	6/1/2020	\$ 14,600,970	\$ -	\$ 14,600,970	\$ 29,319,833

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971296	BIRMINGHAM - HAWTHORN 161KV CKT 1 Accelerate	6/1/2015	6/1/2017			\$ 669,303	\$ 669,303	\$ 1,182,085
	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	6/1/2019	6/1/2019			\$ 2,391,200	\$ 2,391,200	\$ 3,198,538
	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2015	6/1/2017			\$ 5,355,800	\$ 5,355,800	\$ 8,530,268
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019			\$ 5,599,967	\$ 275,120,000	\$ 15,182,422
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2019			\$ 584,700	\$ 119,355,000	\$ 1,226,520
	<b>Total</b>					\$ 14,600,970	\$ 402,891,303	\$ 29,319,833

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
76971296	IATAN - NASHUA 345KV CKT 1	6/1/2013	6/1/2015		No

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
76971296	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	10/1/2014	6/1/2015		No

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
76971296	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2016		
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	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
76971296	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
76971296	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2014	6/1/2014			\$ 3,917	\$ 100,000
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 58,786	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	2.04%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2019		No	0.49%	100.00%
	<b>Total</b>					\$ 62,703	\$ 12,100,000

\*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  
KEPC AG2-2012-031

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
KEPC	76970941	NPPD	WR	12	12/1/2012	10/1/2024	6/1/2019	4/1/2031	\$ 2,160,000	\$ -	\$ 82,883	\$ 257,099

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
	Viola - Clearwater 138kV Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 62,865	\$ 1,897,532	\$ 195,004
	Viola - Gill 138kV Ckt1 Accelerate	6/1/2013	6/1/2017		No	\$ 20,018	\$ 1,041,108	\$ 62,095
					Total	\$ 82,883	\$ 10,518,328	\$ 257,099

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
76970941	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76970941	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Colby 115kv Capacitor	6/1/2013	6/1/2015		
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No
	Geary County 345/115kv Substation	6/1/2015	6/1/2016		No
	HOOVER54 138.00 (HOOVER1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2013	6/1/2017		No
	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	10/1/2013	12/1/2014		No
	Pheasant Run - Seguin 115 kv Ckt1	6/1/2013	6/1/2017		No
	VICTORY HILL (VICTORYHL T1) 230/115/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2016		No

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

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
76970941	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	6/1/2013	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2016		No
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	6/1/2013	6/1/2014		No
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	10/1/2013	6/1/2016		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2013	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	6/1/2019		No
	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	10/1/2015	6/1/2016		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
76970941	ALEXANDER - PRATT 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		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	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		
	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	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 - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV 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
76970941	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Viola 345/138kv Transformer Ckt 1 Accelerate	6/1/2013	6/1/2017	6/1/2017	Yes

\*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  
KEPC AG2-2012-032

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
KEPC	76970993	NPPD	SECI	2	12/1/2012	10/1/2024	6/1/2019	4/1/2031	\$ -	\$ -	\$ 47,197	\$ 190,074

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970993	5 HICKOCK - SANT T 3 115KV CKT 1 Accelerate	6/1/2015	6/1/2017		No	\$ 55	\$ 525,421	\$ 251
	CTU SUBLETTE - HASKELL 115KV CKT 1	6/1/2019	6/1/2019			\$ 47,142	\$ 618,750	\$ 189,823
	<b>Total</b>					\$ 47,197	\$ 1,144,171	\$ 190,074

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
76970993	Line - Clark County - Thistle 345 kV dbi Ckt	6/1/2013	1/1/2015	No	
	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2013	1/1/2015	No	
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	6/1/2013	7/1/2014	No	
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	6/1/2013	7/1/2014	No	
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2013	1/1/2015	No	
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2013	1/1/2015	No	
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt MKEC	6/1/2013	1/1/2015	No	
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015	No	
	Line - Spearville - Clark County 345 kV dbi Ckt	6/1/2013	1/1/2015	No	
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2013	1/1/2015	No	
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2013	1/1/2015	No	
	Line - Thistle - Wichita 345 kV dbi Ckt PW	6/1/2013	1/1/2015	No	
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	6/1/2013	1/1/2015	No	
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015	No	
	Line - Thistle - Woodward 345 kV dbi Ckt PW	6/1/2013	1/1/2015	No	
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2013	6/1/2014	No	
	Line - Tuco - Woodward 345 kV line SPS	6/1/2013	6/1/2014	No	
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014	No	
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014	No	
	XFR - Medicine Lodge 345/138 kV	6/1/2013	1/1/2015	No	
	XFR - Thistle 345/138 kV	6/1/2013	1/1/2015	No	

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
76970993	Arcadia 345 kV Terminal Upgrades	6/1/2013	6/1/2016	No	
	Cherry Co - Gentleman 345 kV Ckt1	10/1/2013	1/1/2018	No	
	Cherry Co - Holt Co 345 kV Ckt1	10/1/2013	1/1/2018	No	
	Cherry Co 345 kV Terminal Upgrades	10/1/2013	1/1/2018	No	
	CTU SUBLETTE - PIONEER TAP 115KV CKT 1	6/1/2015	6/1/2017	No	
	CUDAHY - G08-79T 115.00 115KV CKT 1	6/1/2013	6/1/2017	No	
	CUDAHY - KISMET 3 115.00 115KV CKT 1	6/1/2013	6/1/2017	No	
	Elk City 345/230 kV	6/1/2013	3/1/2018	No	
	Elk City to Gracemont 345KV AEPW	6/1/2013	3/1/2018	No	
	Elk City to Gracemont 345KV OKGE	6/1/2013	3/1/2018	No	
	Elm Creek to Summit 345 kV ITCGP	6/1/2013	3/1/2018	No	
	Elm Creek to Summit 345 kV WERE	6/1/2013	3/1/2018	No	

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
76970993	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015	No	
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2013	6/1/2016	No	
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018	No	
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019	No	
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019	No	
	Mullergren - Reno 345KV Dbl CKT MKEC	6/1/2013	6/1/2019	No	
	Mullergren - Reno 345KV Dbl CKT WERE	6/1/2013	6/1/2019	No	
	Spearville - Mullergren 345KV Dbl CKT	6/1/2013	6/1/2019	No	



**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
76970993	ALEXANDER - PRATT 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		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	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		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2012	6/1/2019		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	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		

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
76970993	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Mathewson 345 kV Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	6/1/2013	6/1/2019	6/1/2019	Yes

\*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  
PSCM AG2-2012-022

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
PSCM	76955870	SPS	LAM345	101	3/1/2013	3/1/2018	6/1/2019	6/1/2024	\$ -	\$ 11,683,680	\$ 1,166,485	\$ 2,931,900

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76955870	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2015			\$ 26,964	\$ 240,000	\$ 80,325
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2019		No	\$ 1,139,521	\$ 119,355,000	\$ 2,851,575
					Total	\$ 1,166,485	\$ 119,595,000	\$ 2,931,900

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
76955870	BAILEY COUNTY INTERCHANGE - CURRY COUNTY INTERCHANGE 115KV CKT 1	6/1/2013	6/1/2015		No
	Line - Clark County - Thistle 345 kV dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kV dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kV dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kV dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kV line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kV line SPS	6/1/2013	6/1/2014		No
	Multi - Pleasant Hill XF - 230 kV lines to Oasis and Rosevelt	6/1/2013	12/1/2014		No
	NEWHART INTERCHANGE PROJECT	6/1/2013	6/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kV	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kV	6/1/2013	1/1/2015		No

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
76955870	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2013	6/1/2019		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
76955870	ADABELL - VBI 161KV CKT 1	6/1/2013	6/1/2018		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2019	10/1/2019		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2013	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2013	6/1/2019		No
	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	6/1/2014	6/1/2015		
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2013	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
76955870	CHERRY6 - 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	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		
	Mullergren - Reno 345kV Dbl Ckt MKEC	10/1/2012	6/1/2019		
	Mullergren - Reno 345kV Dbl Ckt WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl Ckt	10/1/2012	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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
76955870	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019	6/1/2019	Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019	6/1/2019	Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76955870	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2019		No	\$ 114,568	\$ 12,000,000
	VBI - Arkansas Nuclear One 345kv EES	6/1/2013	6/1/2019		No	0.95%	100.00%
					Total	\$ 114,568	\$ 12,000,000

\*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  
SECI AG2-2012-015

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
SECI	76902942	SECI	SECI	55	1/1/2014	1/1/2044	6/1/2019	6/1/2049	\$ 1,205,419	\$ -	\$ 1,205,533	\$ 9,108,617
									\$ 1,205,419	\$ -	\$ 1,205,533	\$ 9,108,909

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76902942	5 HICKOCK - SANT T 3 115KV CKT 1 Accelerate	6/1/2015	6/1/2017		No	\$ 525,366	\$ 525,421	\$ 4,278,810
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2013	6/1/2019		No	\$ 1,836	\$ 4,145,572	\$ 12,318
	CTU SUBLETTE - HASKELL 115KV CKT 1	6/1/2019	6/1/2019			\$ 571,608	\$ 618,750	\$ 4,099,155
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2019		No	\$ 4,173	\$ 275,120,000	\$ 30,902
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 54,001	\$ 10,387,750	\$ 362,145
	Mathewson 345 kv Accelerate	6/1/2013	6/1/2019		No	\$ 1,130	\$ 2,550,731	\$ 7,575
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2013	6/1/2019		No	\$ 47,419	\$ 9,127,831	\$ 318,004
						\$ 1,205,533	\$ 302,476,055	\$ 9,108,909

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
76902942	Line - Clark County - Thistle 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2013	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	6/1/2013	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	6/1/2013	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt MKEC	6/1/2013	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Spearville - Clark County 345 kv dbi Ckt	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2013	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	6/1/2013	1/1/2015		No
	Line - Thistle - Woodward 345 kv dbi Ckt PW	6/1/2013	1/1/2015		No
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2013	6/1/2014		No
	Line - Tuco - Woodward 345 kv line SPS	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2013	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2013	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	6/1/2013	1/1/2015		No
	XFR - Thistle 345/138 kv	6/1/2013	1/1/2015		No

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
76902942	Cherry Co - Gentleman 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2013	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2013	1/1/2018		No
	Colby 115kv Capacitor	6/1/2013	6/1/2015		No
	CTU SUBLETTE - PIONEER TAP 115KV CKT 1	6/1/2015	6/1/2017		No
	CUDAHY - G08-79T 115.00 115KV CKT 1	6/1/2013	6/1/2017		No
	CUDAHY - KISMET 3 115.00 115KV CKT 1	6/1/2013	6/1/2017		No
	Elk City 345/230 kv	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	6/1/2013	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv ITCGP	6/1/2013	3/1/2018		No
	Elm Creek to Summit 345 kv WERE	6/1/2013	3/1/2018		No
	Pheasant Run - Seguin 115 kv Ckt1	6/1/2013	6/1/2017		No

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

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
76902942	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2013	6/1/2015		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2013	6/1/2016		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT MKEC	6/1/2013	6/1/2019		No
	Mullergren - Reno 345kv Dbl CKT WERE	6/1/2013	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	6/1/2013	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
76902942	BARBER - MEDICINE LODGE 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		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	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		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76902942	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2019		No	0.00%	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.

**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	ARSENAL HILL - RAINES 138KV CKT 1	Rebuild 6.16 miles	10/1/2018	10/1/2018	\$ 4,677,750
AEPW	LONGWOOD - NORAM 138KV CKT 1	Rebuild 4.66 miles	10/1/2019	10/1/2019	\$ 3,541,600
AEPW	NORAM - RAINES 138KV CKT 1	Rebuild 5.58 miles	10/1/2019	10/1/2019	\$ 4,237,313
AEPW	PITTSBURG - VALLIANT 345KV CKT 1	Replace Terminal Equipment	10/1/2015	6/1/2017	\$ 303,750
AEPW	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	Replace Terminal Equipment	6/1/2016	6/1/2017	\$ 303,750
AEPW	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kv line	6/1/2014	6/1/2018	\$ 2,260,000
KACP	BIRMINGHAM - HAWTHORN 161KV CKT 1 Accelerate	Reconductor line with 1192 ACS5 & upgrade terminal equipment for 1200 amps	6/1/2015	6/1/2017	\$ 669,303
KACP	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345KV from KCPL Lacygne - AMRN Mariosa	6/1/2013	6/1/2019	\$ 275,120,000
MIPU	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	Rebuild 3.92 miles	6/1/2019	6/1/2019	\$ 2,391,200
MIPU	HARRISONVILLE NORTH - RALPH GREEN 69KV CKT 1	Rebuild 8.78 miles	6/1/2015	6/1/2017	\$ 5,355,800
MKEC	5 HICKOCK - SAINT T 3 115KV CKT 1 Accelerate	Rebuild 7.1 mile line	6/1/2015	6/1/2017	\$ 525,421
MKEC	CTU SUBLETTE - HASKELL 115KV CKT 1	Rebuild 1.10 mile line	6/1/2019	6/1/2019	\$ 618,750
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1	Reconductor 4.07 miles of 161 kv. Increase CT ratios at Pecan Creek to 2000A. Replace 2 wave traps, 1-161KV breaker, 3 switches at Five Tribes plus increase CTR.	6/1/2013	6/1/2017	\$ 2,850,000
OKGE	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	Build new 16 mile 345 kv line from Mathewson to Cimarron.	6/1/2013	6/1/2019	\$ 4,145,572
OKGE	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kv line.	6/1/2013	6/1/2019	\$ 10,387,750
OKGE	Mathewson 345 kv Accelerate	Build new Mathewson 345 kv substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kv lines.	6/1/2013	6/1/2019	\$ 2,550,731
OKGE	RATLIFF - WILDHORSE 69KV CKT 1	Replace 400amp wave trap at Ratliff substation	6/1/2014	6/1/2014	\$ 200,000
OKGE	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kv Ckt 2 line.	6/1/2013	6/1/2019	\$ 9,127,831
OKGE	VBI - Arkansas Nuclear One 345KV OKGE	Build 73 miles of 345KV line	6/1/2013	6/1/2019	\$ 119,355,000
SPS	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	Replace 800A wave trap at Yoakum	6/1/2015	6/1/2015	\$ 240,000
WERE	BENTON - WICHITA 345KV CKT 1	Replace terminal equipment at Benton and Wichita	6/1/2015	6/1/2016	\$ 1,183,000
WERE	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	Rebuild 7.7 miles	6/1/2013	6/1/2017	\$ 7,579,688
WERE	Viola - Clearwater 138KV Ckt Accelerate	Build new 138KV line between new Viola substation 345/138 kv transformer and existing Clearwater 138 kv substation.	6/1/2013	6/1/2017	\$ 1,897,532
WERE	Viola - Gill 138KV Ckt1 Accelerate	Build new 138KV line between new Viola substation 345/138 kv transformer and existing Gill 138 kv substation.	6/1/2013	6/1/2017	\$ 1,041,108
WERE	Viola 345/138KV Transformer Ckt 1 Accelerate	Install new 345/138 kv transformer at Viola substation	6/1/2013	6/1/2017	\$ 721,210
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019	\$ 225,000

**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)
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	6/1/2015
AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment	6/1/2019	6/1/2019
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	Replace Terminal Equipment	6/1/2014	6/1/2016
KACP	Iatan - Jeffrey Energy Center 345 kv KACP	Build 14.2 miles of new 345 kv	6/1/2013	6/1/2019
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.	6/1/2013	6/1/2015
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1	Rebuild 0.23 miles	6/1/2013	6/1/2016
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	Reconductor 2.5 mile from Blue Springs South - Blue Springs East 161 kv to 954 ACS5. Upgrade substation equipment to 2000 Amps	10/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	Reconductor 3.21 miles from Blue Springs South to Prairie Lee 161 kv to 954 ACS5. Upgrade substation equipment to 2000 Amps.	10/1/2014	6/1/2016
MIPU	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	Rebuild 3.6 miles	6/1/2015	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)	6/1/2013	6/1/2016
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerate	Replace Wave Trap at Harper Substation	6/1/2013	6/1/2014
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	Reconductor 22.1 mile Harper to Milan Tap 138 kv line.	10/1/2013	6/1/2016
MKEC	Mullergren - Reno 345KV Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345KV Mullergren - Reno	6/1/2013	6/1/2019
MKEC	Spearsville - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345KV Spearsville - Mullergren	6/1/2013	6/1/2019
OKGE	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub	6/1/2013	6/1/2018
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2019	10/1/2019
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Replace Terminal Equipment	10/1/2019	10/1/2019
OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	Replace 1600 amp 345 kv CT in both Muskogee and Ft.Smith Subs	6/1/2013	6/1/2015
OKGE	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	Build 70.95 mile 345 kv line plus two new 345/161 kv bus ties near VBI sub and 10 miles of 161 kv line	6/1/2013	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	6/1/2013	6/1/2014
SPS	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	Upgrade wave trap at both Jones Bus # 2 and Lubbock South Interchange	6/1/2014	6/1/2015
SPS	POTASH JUNCTION INTERCHANGE (GE M100747) 230/115/13.2KV TRANSFORMER CKT 1	Upgrade transformer to 250 MVA.	6/1/2015	6/1/2016
WERE	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2016
WERE	CHISHOLM - MAIZE 138KV CKT 1 #2	Rebuild 7.25 miles	6/1/2015	6/1/2016
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)	6/1/2013	6/1/2016
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2013	6/1/2016
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	Rebuild 4.8 miles	6/1/2015	6/1/2016
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the IEC - Hoyt 345kv line as a single circuit with new conductor, poles, and shield wire. Substation work at JEC (Station 1) substation will include removal of 345kv carrier equipment and installation of new fiber optic relay panels. Substation	6/1/2013	6/1/2018
WERE	Iatan - Jeffrey Energy Center 345 kv WERE	Build 56.8 miles of new 345 kv	6/1/2013	6/1/2019
WERE	Mullergren - Reno 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345KV Mullergren - Reno	6/1/2013	6/1/2019
WERE	WICHITA (WICHT12X) 345/138/13.8KV TRANSFORMER CKT 3	Add third 345-138 kv transformer at Wichita	10/1/2015	6/1/2016

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

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	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Build a new 76 mile 345 kv line from Valliant to NW Texarkana with at least 3000 A capacity. Upgrade the Valliant and NW Texarkana substations with the necessary breakers and terminal equipment.	6/1/2014	5/1/2015
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.	6/1/2013	1/1/2015
ITCGP	Line - Spearville - Clark County 345 kv dbl Ckt	Build a new 26 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.	6/1/2013	1/1/2015
ITCGP	XFR - Thistle 345/138 kv	Install a 400 MVA 345/138 kv transformer at the new 345 kv Thistle substation.	6/1/2013	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	6/1/2013	6/1/2015
MKEC	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	Build a new 55 mile double circuit 345 kv line	6/1/2013	1/1/2015
MKEC	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	Build a new 35 mile double circuit 345 kv line with at least 3000 A capacity from the new Medicine Lodge 345 kv substation to the WR interception from the Wichita substation.	6/1/2013	1/1/2015
MKEC	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	Build a new 28.6 mile dbl ckt 345 kv line with at least 3000 A capacity from the Medicine Lodge sub to the KS/OK state border towards the Woodward District EHV sub. Install the necessary breakers and terminal equipment at the Medicine Lodge sub.	6/1/2013	1/1/2015
MKEC	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	Build a new 27.5 mile double circuit 345 kv line	6/1/2013	1/1/2015
MKEC	XFR - Medicine Lodge 345/138 kv	Install a 400 MVA 345/138 kv transformer at the new 345 kv Medicine Lodge substation.	6/1/2013	1/1/2015
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	6/1/2013	7/1/2014
OKGE	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	Build a new 79 mile dbl ckt 345 kv line with at least 3000 A capacity from the Woodward District EHV sub to the KS/OK state border towards the Medicine Lodge sub. Upgrade the Woodward District EHV sub with the necessary breakers and terminal equipment.	6/1/2013	1/1/2015
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	6/1/2013	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	6/1/2013	6/1/2014
OKGE	TUCO - WOODWARD 345 KV CKT 1 OKGE	Build new 345 kv line from Woodward EHV to Tuco	6/1/2013	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.	6/1/2013	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.	6/1/2013	1/1/2015
SPS	BAILEY COUNTY INTERCHANGE - CURRY COUNTY INTERCHANGE 115KV CKT 1	40 miles 115 kv between Bailey and Curry.	6/1/2013	6/1/2015
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	6/1/2013	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.	6/1/2013	6/1/2014
SPS	Multi - Pleasant Hill XF -230 kv lines to Oasis and Rosevelt	Add 230/115 kv transformer 250/250 MVA CKT 1. Build new 16 mile Pleasant Hill - Oasis 230 kv line. Build new 26 mile Pleasant Hill - Roosevelt County 230 kv line.	6/1/2013	12/1/2014
SPS	NEWHART INTERCHANGE PROJECT	Tap the Potter Interchange - Plant X Station 230 kv line for new Newhart Substation and install 230/115 kv, 150/173 MVA transformer. New 15 mile Lampton Interchange - Hart Industrial Substation 115 kv line. New 19 mile Swisher County Interchange - Newhart	6/1/2013	6/1/2015
SPS	TUCO - WOODWARD 345 KV CKT 1 SPS	Build new 345 kv line from Woodward EHV to Tuco	6/1/2013	6/1/2014
SUNC	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	Build a new 27.5 mile double circuit 345 kv line with at least 3000 A capacity from the Spearville substation to the MKEC interception point from the new Comanche County substation.	6/1/2013	1/1/2015
WERE	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	Build a new 35 mile double circuit 345 kv line	6/1/2013	1/1/2015
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	6/1/2013	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	AVOCA - EAST ROGERS 161KV CKT 1	Rebuild 5.81 miles line	6/1/2014	6/1/2017
AEPW	BLUEBELL - PRATTVILLE 138KV CKT 1	Rebuild 9.0 mile Prattville-Bluebell 138 kv line from 795 ACSR to 1926.9 ACSR/TW. Replace line switch near Prattville. New summer ratings 287/287 limited by breaker, switches, CTs, wave trap.	6/1/2014	6/1/2015
AEPW	BROKEN ARROW NORTH - SOUTH TAP - LYNN LANE TAP 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019
AEPW	Elk City 345/230 kv	Expand Elk City substation (or build new station). Install a 345/230 kv 675 MVA transformer at Elk City.	6/1/2013	3/1/2018
AEPW	Elk City to Gracemont 345KV AEPW	Build new 46.5 mile 345 kv line from Elk City to Gracemont (AEP portion).	6/1/2013	3/1/2018
AEPW	KNOX LEE - SOUTH TEXAS EASTMAN 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019
AEPW	NORTH NEW BOSTON - NW TEXARKANA-BANN T 138KV CKT 1	Replace Terminal Equipment	6/1/2016	6/1/2017
AEPW	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	Rebuild 0.3 miles	6/1/2019	6/1/2019
GRDA	OKAY - UNARCO 69KV CKT 1	Resolve clearance issues-- uprate line to A=237,B=994MVA all seasons	6/1/2015	6/1/2015
ITCGP	Elm Creek to Summit 345 kv ITCGP	Build new 345 kv line from Elm Creek to Summit (ITCGP portion), install new 345/230 kv transformer at Elm Creek.	6/1/2013	3/1/2018
MIDW	Colby 115kv Capacitor	Install Colby 15 MVAR cap at bus 530555	6/1/2013	6/1/2015
MIDW	Pheasant Run - Seguin 115 kv Ckt1	Build new 10 mile 115 kv line from Pheasant Run - Seguin and install new terminal equipment at Pheasant Run and Seguin	6/1/2013	6/1/2017
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	Upgrade Prairie Lee wave trap to at least 1200 amps	10/1/2014	6/1/2015
MKEC	CTU SUBLETTE - PIONEER TAP 115KV CKT 1	Rebuild 12 mile line	6/1/2015	6/1/2017
MKEC	CUDAHY - G08-79T 115.00 115KV CKT 1	Rebuild 16.1 mile line	6/1/2013	6/1/2017
MKEC	CUDAHY - KISMET 3 115.00 115KV CKT 1	Rebuild 23.17 mile line	6/1/2013	6/1/2017
NPPD	Cherry Co - Gentleman 345 kv Ckt1	Build new 345 kv Transmission Line from GGS 345 kv Substation to a new Cherry County 345 kv Substation (76 miles).	10/1/2013	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).	10/1/2013	1/1/2018
NPPD	Cherry Co 345 kv Terminal Upgrades	Build new Cherry County 345 kv Substation.	10/1/2013	1/1/2018
NPPD	VICTORY HILL (VICTORYHL T1) 230/115/13.8KV TRANSFORMER CKT 1	Replace 187MVA Victory Hill transformer with 336MVA Victory Hill transformer	10/1/2013	6/1/2016
OKGE	Arcadia 345 kv Terminal Upgrades	Upgrade 345 kv 2000 amp breakers and associated switches to 3000 amp at Arcadia Sub.	6/1/2013	6/1/2016
OKGE	Elk City to Gracemont 345kv OKGE	Build new 46.5 mile 345 kv line from Elk City to Gracemont (OGE portion).	6/1/2013	3/1/2018
SPS	Deaf Smith County 230/115 kv transformer ckt 2 upgrade	Upgrade Deaf Smith Interchange 230/115 kv transformer ckt 2 to 250 MVA	6/1/2015	6/1/2016
SPS	Deaf Smith County 230/115 transformer upgrade ckt 1	Upgrade Deaf Smith County Interchange 230/115 kv ckt 1 transformer to 250 MVA	6/1/2015	6/1/2016
SPS	DENVER CITY INTERCHANGE S - MUSTANG STATION W. 115KV CKT 2	Rebuild 2.96 miles	6/1/2015	6/1/2016
SPS	HITCHLAND INTERCHANGE - TEXAS COUNTY INTERCHANGE 115KV CKT 1	Rebuild 13.04 miles	6/1/2019	6/1/2019
SPS	HITCHLAND INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	Add 2nd transformer	6/1/2019	6/1/2019
SPS	Line - Harrington - Randall County 230 kv	Replace existing 800A Harrington 230 kv wave trap with 1200A unit.	6/1/2013	6/1/2014
SPS	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	Install a second 230/115/13.2 kv transformer at Lubbock South.	6/1/2013	6/1/2019
SPS	OCHILTREE - TRI COUNTY REC-COLE 115KV CKT 1	Rebuild 16.9 miles OCHILTREE - TRI COUNTY REC-COLE 115KV CKT 1	6/1/2015	6/1/2017
SPS	OCHILTREE 230/115/13.2KV TRANSFORMER CKT 2	Add second 230/115/13.2kv transformer at Ochiltree.	6/1/2019	6/1/2019
SPS	TRI COUNTY REC-COLE - TRI COUNTY REC-GUYMON 115KV CKT 1	Reconductor 33.895 miles from McMurray to Cole.	6/1/2019	6/1/2019
SPS	XFR - Grassland transformer upgrade Ckt 1	Upgrade Grassland 230/115 kv transformer Ckt 1.	6/1/2015	6/1/2015
SPS	XFR - Texas County Interchange 115/69 kv	Upgrade both tri county elect coop Texas County transformers to 100MVA	6/1/2018	6/1/2018
SPS	YOAKUM COUNTY INTERCHANGE (GE M100899) 230/115/13.2KV TRANSFORMER CKT 1	Upgrade 230/115 kv ckt 1 transformer to 250 MVA	6/1/2019	6/1/2019
SPS	YOAKUM COUNTY INTERCHANGE (PENN CD10585) 230/115/13.2KV TRANSFORMER CKT 2	Upgrade 230/115 kv ckt 2 transformer to 250 MVA	6/1/2019	6/1/2019
WERE	Elm Creek to Summit 345 kv WERE	Build new 345 kv line from Elm Creek to Summit (Westar portion).	6/1/2013	3/1/2018
WERE	Geary County 345/115kv Substation	Build new Geary County 345/115 kv substation south of Junction City where JEC-Summit and McDowell Creek-Junction City #2 ckt separate.	6/1/2015	6/1/2016
WERE	HOOVER4 138.00 (HOOVER1X) 138/69/13.2KV TRANSFORMER CKT 1	Add 3rd Hoover transformer	6/1/2013	6/1/2017
WERE	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	Install second 138/115kv transformer at Moundridge. Operate both 138/115 kv transformers normally closed.	10/1/2013	12/1/2014
WERE	WOLF CREEK 345/69KV TRANSFORMER CKT 1	Install New (2nd) 345/69 kv XFR at Wolfcreek	1/1/2015	6/1/2017



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

Network Upgrades requiring credits per Attachment 22 of the SPP OATT.				
Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
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	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
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	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	Mullergren - Reno 345kv Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345kv Mullergren - Reno	10/1/2012	6/1/2019
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 - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345kv Spearville - Mullergren	10/1/2012	6/1/2019
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
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	10/1/2019	10/1/2019
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Replace Terminal Equipment	10/1/2019	10/1/2019
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 - WOODWARD EHV 138KV CKT 1	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	LYONS - WHEATLAND 115KV CKT 1 #1	Replace CTS	10/1/2012	7/15/2013
WERE	LYONS - WHEATLAND 115KV CKT 1 #2	Re-rate circuit to 1000 amps	10/1/2012	7/15/2013
WERE	Mullergren - Reno 345kv Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Reno	10/1/2012	6/1/2019
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

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
AECI	7IASPER 345.00 - MORGAN 345KV CKT 1	Replace structures to rerate to 100C	6/1/2015	6/1/2015	\$ 625,000
AECI	7IASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	Replace structures to rerate to 100C	6/1/2014	6/1/2014	\$ 100,000
AMMO	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	Replace existing 345-161kV transformer with 560MVA unit, install 345kV high side breaker, 161kV XFMR low side breaker and bus to obtain 2000A min	6/1/2013	6/1/2014	Indeterminate
AMRN	Lacygne - Mariosa 345KV AMRN	Indeterminate	6/1/2013	6/1/2019	Indeterminate
CELE	NORTH SUDELL - SUDELL 230KV CKT 1 CELE	Indeterminate	10/1/2019	10/1/2019	Indeterminate
EES	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO	6/1/2013	6/1/2019	\$ 12,000,000
EES	VBI - Arkansas Nuclear One 345KV EES	Indeterminate	6/1/2013	6/1/2019	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	6/1/2015	Indeterminate
SWPA	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	Rebuild line with 1192 ACSR, Grackle	6/1/2014	6/1/2016	Indeterminate
SWPA	BUFORD 5 161.00 - NORFORK 161KV CKT 1	Rebuild line with 1192 ACSR, Grackle	6/1/2014	6/1/2016	Indeterminate
SWPA	MORGAN - STOCKTON 161KV CKT 1	Replace Jumpers on the Stockton substation	6/1/2016	6/1/2016	\$ 155,000
SWPA	NORFORK - SOUTHLAND AECC 161KV CKT 1	Replace Terminal Equipment	6/1/2015	6/1/2016	\$ 225,000