



# Aggregate Facility Study

## SPP-2011-AG2-AFS-3

12/22/2011

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), 3866 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 \$365 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 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 December 22, 2011. 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 January 6, 2012, 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, 2011 for 2011-AG2 have been included in this second Aggregate Transmission Service Study (ATSS) of 2011.

Approximately 3866 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$365 million in transmission upgrades is proposed. The results of the AFS are detailed in Tables 1 through 6. Detailed results depict individual upgrade costs by study and potential base plan allowances determined by Attachments J and Z1. The [OATT](#) may be accessed at SPP's website by going to [SPP.org>Org Groups>Governing Documents](#).

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

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

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

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

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

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

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

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

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

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

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

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

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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 levelized revenue requirements for SPP system Network Upgrades.

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

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

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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 seven seasonal models to study the aggregate transfers of 3866 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2011 Build 2 Cases were used to study the impact of the requested service on the transmission system:

- 2012 Summer Peak (12SP)
- 2012/13 Winter Peak (12WP)
- 2013 Summer Peak (13SP)
- 2013/14 Winter Peak (13WP)
- 2017 Summer Peak (17SP)
- 2017/18 Winter Peak (17WP)
- 2022 Summer Peak (22SP)

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 3866 MW to model the requested service. From the seven seasonal models, two system scenarios were developed. Scenario 0 includes projected usage of transmission included in the SPP 2011 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2011 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 December 22, 2011. 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 January 6, 2012, 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
BPAE	AG2-2011-058	75722104	WR	AECI	50	11/1/2012	11/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 13SP
BPAE	AG2-2011-059	75722069	WR	AECI	100	11/1/2012	11/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 13SP
BPAE	AG2-2011-060	75722114	WR	AECI	50	11/1/2012	11/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 13SP
CRGL	AG2-2011-036	75723159	WFEC	EES	50	12/1/2012	12/1/2017	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 13SP
CRGL	AG2-2011-037	75723163	WPEK	EES	200	1/1/2014	1/1/2019	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 17SP
CRGL	AG2-2011-038	75723183	WPEK	EES	200	1/1/2014	1/1/2019	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 17SP
CRGL	AG2-2011-039	75723186	WPEK	EES	100	1/1/2014	1/1/2019	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 17SP
CRGL	AG2-2011-041	75723256	NPPD	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-042	75723270	NPPD	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-043	75723313	OKGE	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-044	75723323	SECI	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-045	75723335	SECI	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-046	75723357	OKGE	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-047	75723358	OKGE	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-048	75723361	SECI	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 13SP
CRGL	AG2-2011-049	75723624	KCPL	EES	103	5/1/2012	5/1/2017	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 12SP
CRGL	AG2-2011-050	75723626	WR	EES	103	5/1/2012	5/1/2017	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 12SP
EDE	AG2-2011-064	75677330	KCPL	EDE	3	1/1/2012	1/1/2017	6/1/2018	6/1/2023	6/1/2018	6/1/2023		0 12SP
INDP	AG2-2011-004	75702691	KCPL	INDN	3	1/1/2012	1/1/2040	6/1/2017	6/1/2045	6/1/2017	6/1/2045		0 12SP
INF	AG2-2011-053	75723823	NPPD	AMRN	74	12/1/2012	12/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 13SP
INF	AG2-2011-055	75722463	NPPD	AMRN	90	12/1/2012	12/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 13SP
INF	AG2-2011-056	75722852	SECI	AMRN	200	12/31/2014	12/31/2019	6/1/2018	6/1/2023	Note 4	Note 4		0 22SP
KBPU	AG2-2011-005	75705418	MPS	KACY	5	6/1/2012	6/1/2024	6/1/2017	6/1/2029	6/1/2017	6/1/2029		0 12SP
KBPU	AG2-2011-009	75710066	MPS	KACY	100	1/1/2014	1/1/2034	6/1/2016	6/1/2036	1/1/2014	1/1/2034		0 17SP
KCPS	AG2-2011-006	75709838	SECI	KCPL	31	1/1/2012	1/1/2017	Note 3	Note 3	Note 3	Note 3		0 12SP
KCPS	AG2-2011-007	75709976	WPEK	KCPL	101	12/1/2011	12/1/2031	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 12SP
KCPS	AG2-2011-008	75709980	WPEK	KCPL	100	12/1/2011	12/1/2031	6/1/2018	6/1/2038	6/1/2018	6/1/2038		0 12SP
KCPS	AG2-2011-032	75723345	KCPL	EES	2	1/1/2012	1/1/2016	Note 3	Note 3	Note 3	Note 3		0 12SP
KCPS	AG2-2011-033	75723331	KCPL	EES	2	6/1/2012	6/1/2025	6/1/2018	6/1/2025	6/1/2018	6/1/2025		0 12SP
KCPS	AG2-2011-035	75723322	KCPL	EES	100	1/1/2012	1/1/2014	Note 3	Note 3	Note 3	Note 3		0 12SP
KEPC	AG2-2011-065	75670817	KCPL	WR	2	1/1/2012	6/1/2030	6/1/2017	11/1/2035	6/1/2017	11/1/2035		0 12SP
LESM	AG2-2011-003	75665751	NPPD	LES	3	10/1/2012	10/1/2017	6/1/2013	6/1/2018	6/1/2013	6/1/2018		0 13SP
MOWR	AG2-2011-057	75723278	KCPL	AMRN	1	6/1/2012	6/1/2017	6/1/2017	6/1/2022	Note 4	Note 4		0 12SP
NPPM	AG2-2011-011	75691899	NPPD	NPPD	30	10/1/2012	10/1/2022	6/1/2018	6/1/2028	1/1/2015	1/1/2025		0 13SP
NPPM	AG2-2011-022	75249566	NPPD	EES	100	12/31/2011	12/31/2016	6/1/2018	6/1/2023	Note 4	Note 4		0 12SP
NPPM	AG2-2011-023	75536556	NPPD	EES	100	1/1/2012	1/1/2017	6/1/2018	6/1/2023	Note 4	Note 4		0 12SP
OPPM	AG2-2011-002	75681681	NPPD	OPPD	45	10/1/2012	10/1/2022	6/1/2018	6/1/2028	6/1/2018	6/1/2028		0 13SP
SPSM	AG2-2011-028	75711749	CSWS	SPS	100	6/1/2013	6/1/2014	6/1/2018	6/1/2019	6/1/2016	6/1/2017		0 13SP
SPSM	AG2-2011-031	75723068	SPS	SPS	23	6/1/2013	6/1/2033	6/1/2015	6/1/2035	6/1/2013	6/1/2033		0 13SP

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

TEA	AG2-2011-015	75463979	SPRM	EES	25	1/1/2012	1/1/2017	6/1/2017	6/1/2022	Note 4	Note 4	0	12SP
TEA	AG2-2011-016	75463977	SPRM	EES	25	1/1/2012	1/1/2017	6/1/2017	6/1/2022	Note 4	Note 4	0	12SP
TEA	AG2-2011-017	75315362	SPA	AECI	25	3/1/2013	3/1/2016	6/1/2017	6/1/2020	Note 4	Note 4	0	13SP
TEA	AG2-2011-018	75315358	SPA	AECI	25	3/1/2013	3/1/2018	6/1/2017	6/1/2022	Note 4	Note 4	0	13SP
UCU	AG2-2011-010	75711368	MPS	MPS	2	12/1/2011	12/1/2016	6/1/2017	6/1/2022	6/1/2017	6/1/2022	0	12SP
WIND	AG2-2011-020	75723845	WPEK	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038	0	13SP
WRGS	AG2-2011-066	75710756	SECI	WR	135	1/1/2016	1/1/2021	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	22SP
WRGS	AG2-2011-067	75701798	WR	AECI	8	12/1/2011	12/1/2016	6/1/2017	6/1/2022	6/1/2017	6/1/2022	0	12SP
WRGS	AG2-2011-068	75701826	WR	SPA	25	12/1/2011	12/1/2016	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	12SP
WRGS	AG2-2011-069	75701816	WR	SPA	25	12/1/2011	12/1/2016	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	12SP

**Note 1:** Start and Stop Dates with interim redispatch are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.

**Note 2:** Start dates with and without redispatch are based on the assumed completion dates of previous Aggregate Transmission Service Studies currently being conducted. Actual start dates may differ from the potential start dates upon completion of the previous studies.

**Note 3:** Request is unable to be deferred due to fixed stop dates.

**Note 4:** Transmission customer did not select "remain in the study using interim redispatch" option.



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

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	<sup>1</sup> Letter of Credit Amount Required	<sup>2</sup> Potential Base Plan Engineering and Construction Funding Allowable	Notes	<sup>4</sup> Additional Engineering and Construction Cost for 3rd Party Upgrades	<sup>3,5</sup> Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	<sup>4</sup> Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
BPAE	AG2-2011-058	75722104	\$ 7,239,906	\$ 7,239,906	\$ -		Indeterminate	\$ 16,410,750	\$ 2,544,000	\$ 16,410,750
BPAE	AG2-2011-059	75722069	\$ 14,479,779	\$ 14,479,780	\$ -		Indeterminate	\$ 32,821,420	\$ 5,088,000	\$ 32,821,420
BPAE	AG2-2011-060	75722114	\$ 7,239,906	\$ 7,239,906	\$ -		Indeterminate	\$ 16,410,750	\$ 2,544,000	\$ 16,410,750
CRGL	AG2-2011-036	75723159	\$ 5,200,076	\$ 5,200,076	\$ -		Indeterminate	\$ 12,632,330	\$ 3,540,000	\$ 12,632,330
CRGL	AG2-2011-037	75723163	\$ 16,596,781	\$ 16,596,780	\$ -		Indeterminate	\$ 41,352,020	\$ 14,160,000	\$ 41,352,020
CRGL	AG2-2011-038	75723183	\$ 16,596,781	\$ 16,596,780	\$ -		Indeterminate	\$ 41,352,020	\$ 14,160,000	\$ 41,352,020
CRGL	AG2-2011-039	75723186	\$ 8,298,391	\$ 8,298,391	\$ -		Indeterminate	\$ 20,676,010	\$ 7,080,000	\$ 20,676,010
CRGL	AG2-2011-041	75723256	\$ 9,879,124	\$ 9,879,124	\$ -		Indeterminate	\$ 43,050,750	\$ 56,640,000	\$ 56,640,000
CRGL	AG2-2011-042	75723270	\$ 9,928,578	\$ 9,928,578	\$ -	6	Indeterminate	\$ 43,266,260	\$ 56,640,000	\$ 56,640,000
CRGL	AG2-2011-043	75723313	\$ 18,950,903	\$ 18,950,900	\$ -		Indeterminate	\$ 82,350,040	\$ 56,640,000	\$ 82,350,040
CRGL	AG2-2011-044	75723323	\$ 15,833,086	\$ 15,833,090	\$ -		Indeterminate	\$ 68,642,850	\$ 56,640,000	\$ 68,642,850
CRGL	AG2-2011-045	75723335	\$ 7,916,543	\$ 7,916,543	\$ -		Indeterminate	\$ 34,321,420	\$ 28,320,000	\$ 34,321,420
CRGL	AG2-2011-046	75723357	\$ 9,133,501	\$ 9,133,501	\$ -		Indeterminate	\$ 39,696,360	\$ 28,320,000	\$ 39,696,360
CRGL	AG2-2011-047	75723358	\$ 9,133,501	\$ 9,133,501	\$ -		Indeterminate	\$ 39,696,360	\$ 28,320,000	\$ 39,696,360
CRGL	AG2-2011-048	75723361	\$ 16,496,888	\$ 16,496,890	\$ -		Indeterminate	\$ 71,473,680	\$ 56,640,000	\$ 71,473,680
CRGL	AG2-2011-049	75723624	\$ 12,643,731	\$ 12,643,730	\$ -		Indeterminate	\$ 32,135,120	\$ 7,292,400	\$ 32,135,120
CRGL	AG2-2011-050	75723626	\$ 31,003,653	\$ 31,003,650	\$ -		Indeterminate	\$ 71,259,070	\$ 7,292,400	\$ 71,259,070
EDE	AG2-2011-064	75677330	\$ 3,228,338	\$ 3,228,338	\$ -		Indeterminate	\$ 6,661,634	\$ -	\$ 6,661,634
INDP	AG2-2011-004	75702691	\$ 205,010	\$ 205,010	\$ -		Indeterminate	\$ 955,560	\$ 854,784	\$ 955,560
INF	AG2-2011-053	75723823	\$ 4,307,879	\$ 4,307,879	\$ -		Indeterminate	\$ 10,729,530	\$ 3,765,120	\$ 10,729,530
INF	AG2-2011-055	75722463	\$ 5,168,832	\$ 5,168,832	\$ -		Indeterminate	\$ 12,873,890	\$ 4,579,200	\$ 12,873,890
INF	AG2-2011-056	75722852	\$ 16,564,220	\$ 16,564,220	\$ -		Indeterminate	\$ 41,263,960	\$ 10,176,000	\$ 41,263,960
KBPU	AG2-2011-005	75705418	\$ 12,457,220	\$ 12,457,220	\$ -		Indeterminate	\$ 32,287,170	\$ 610,560	\$ 32,287,170
KBPU	AG2-2011-009	75710066	\$ 5,837,686	\$ 5,837,686	\$ -		Indeterminate	\$ 16,107,310	\$ 20,352,000	\$ 20,352,000
KCPS	AG2-2011-006	75709838	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
KCPS	AG2-2011-007	75709976	\$ 3,275,211	\$ 3,275,211	\$ -		Indeterminate	\$ 14,293,790	\$ -	\$ 14,293,790
KCPS	AG2-2011-008	75709980	\$ 1,640,831	\$ 1,640,831	\$ -		Indeterminate	\$ 7,021,575	\$ -	\$ 7,021,575
KCPS	AG2-2011-032	75723345	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
KCPS	AG2-2011-033	75723331	\$ 109,966	\$ 109,966	\$ -		Indeterminate	\$ 297,610	\$ 198,240	\$ 297,610
KCPS	AG2-2011-035	75723322	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
KEPC	AG2-2011-065	75670817	\$ 7,395,596	\$ 7,035,596	\$ 360,000		\$ -	\$ 22,021,396	\$ -	\$ 22,021,396
LESM	AG2-2011-003	75665751	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MOWR	AG2-2011-057	75723278	\$ 92,024	\$ 92,024	\$ -		Indeterminate	\$ 215,816	\$ 50,880	\$ 215,816
NPPM	AG2-2011-011	75691899	\$ 4,876,472	\$ -	\$ 4,876,472		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
NPPM	AG2-2011-022	75249566	\$ 8,100,335	\$ 8,100,335	\$ -		Indeterminate	\$ 19,958,380	\$ 7,080,000	\$ 19,958,380
NPPM	AG2-2011-023	75536556	\$ 8,100,335	\$ 8,100,335	\$ -		Indeterminate	\$ 19,958,380	\$ 7,080,000	\$ 19,958,380
OPPM	AG2-2011-002	75681681	\$ 7,396,888	\$ 2,465,630	\$ 4,931,259		\$ -	\$ 6,174,258	\$ -	\$ 6,174,258
SPSM	AG2-2011-028	75711749	\$ 3,072,150	\$ 3,072,150	\$ -		Indeterminate	\$ 5,302,562	\$ -	\$ 5,302,562
SPSM	AG2-2011-031	75723068	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges

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

TEA	AG2-2011-015	75463979	\$ 1,876,686	\$ 1,876,686	\$ -	Indeterminate	\$ 4,274,530	\$ 1,770,000	\$ 4,274,530
TEA	AG2-2011-016	75463977	\$ 1,876,686	\$ 1,876,686	\$ -	Indeterminate	\$ 4,274,530	\$ 1,770,000	\$ 4,274,530
TEA	AG2-2011-017	75315362	\$ 903,684	\$ 903,684	\$ -	Indeterminate	\$ 1,888,665	\$ 763,200	\$ 1,888,665
TEA	AG2-2011-018	75315358	\$ 903,684	\$ 903,684	\$ -	Indeterminate	\$ 2,058,488	\$ 1,272,000	\$ 2,058,488
UCU	AG2-2011-010	75711368	\$ 9,343,948	\$ 8,983,948	\$ 360,000	Indeterminate	\$ 17,729,772	\$ -	\$ 17,729,772
WIND	AG2-2011-020	75723845	\$ 12,299,422	\$ 12,299,420	\$ -	Indeterminate	\$ 53,627,760	\$ 28,320,000	\$ 53,627,760
WRGS	AG2-2011-066	75710756	\$ 12,421,633	\$ -	\$ 12,421,633	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
WRGS	AG2-2011-067	75701798	\$ 2,100,075	\$ 2,100,075	\$ -	Indeterminate	\$ 4,413,606	\$ 407,040	\$ 4,413,606
WRGS	AG2-2011-068	75701826	\$ 7,391,440	\$ 7,391,440	\$ -	Indeterminate	\$ 16,672,300	\$ 1,770,000	\$ 16,672,300
WRGS	AG2-2011-069	75701816	\$ 7,391,440	\$ 7,391,440	\$ -	Indeterminate	\$ 16,672,300	\$ 1,770,000	\$ 16,672,300
<b>Grand Total</b>			<b>\$ 364,908,819</b>		<b>\$ 22,949,364</b>		<b>\$ 1,045,281,982</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.

**Note 3:** 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.

**Note 4:** 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 & 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.

**Note 5:** 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.

**Note 6:** Mutually exclusive with request 75723256. System impacts identified by only modeling mutually exclusive request 75723256.

**Note 7:** ATSS cost allocation includes all customers' mutually exclusive requests in SPP-2011-AG3.

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

Customer Study Number  
 BPAE AG2-2011-058

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	75722104	WR	AECI	50	11/1/2012	11/1/2017	6/1/2018	6/1/2023	\$ -	\$ 2,544,000	\$ 7,239,906	\$ 16,410,753
									\$ -	\$ 2,544,000	\$ 7,239,906	\$ 16,410,753

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75722104	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 21,847	\$ 282,460	\$ 56,669
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 6,069	\$ 150,000	\$ 16,717
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 92,550	\$ 2,287,500	\$ 218,431
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 118,463	\$ 2,928,000	\$ 279,590
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 38,187	\$ 1,575,000	\$ 102,263
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 173,144	\$ 7,141,250	\$ 448,839
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 56,347	\$ 1,197,780	\$ 146,158
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 37,871	\$ 1,575,000	\$ 101,417
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 113,685	\$ 4,728,000	\$ 294,704
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 100,781	\$ 3,300,000	\$ 205,425
	Muskogee - VBI 345 kV with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 1,214,026	\$ 101,220,000	\$ 3,023,746
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016			\$ 3,439,323	\$ 30,810,000	\$ 7,104,162
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016			\$ 361,570	\$ 3,239,000	\$ 739,173
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014			\$ 91,276	\$ 610,000	\$ 249,360
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 1,374,767	\$ 119,355,000	\$ 3,424,100
<b>Total</b>						\$ 7,239,906	\$ 280,398,990	\$ 16,410,753

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
75722104	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75722104	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	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
75722104	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		

**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
75722104	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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		

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

**Third Party Limitations.**

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75722104	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014			\$ 7,732	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			7.73%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			7.73%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			1.44%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 206,910	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 432,258	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			2.03%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.57%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 138,220	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015			\$ 319,442	\$ 4,130,000
	Brookline - Compton Ridge 345 KV	6/1/2013	6/1/2018			4.14%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 285,017	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 203,051	\$ 5,450,000
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			11.86%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			5.21%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 104,252	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 279,603	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014			\$ 9,160	\$ 180,000
	Compton Ridge - Cox Creek 345 KV	6/1/2013	6/1/2018			6.38%	100.00%
	Compton Ridge - Osage Creek 345 KV	6/1/2013	6/1/2018			7.04%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			5.67%	100.00%
	Compton Ridge 345/161 KV Transformer	6/1/2013	6/1/2018			11.45%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			12.04%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015			4.70%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			12.38%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 386,517	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 388,215	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			1.15%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 390,075	\$ 2,000,000
					Total	\$ 3,150,452	\$ 67,505,000

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

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

Customer Study Number  
BPAE AG2-2011-059

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	75722069	WR	AECI	100	11/1/2012	11/1/2017	6/1/2018	6/1/2023	\$ -	\$ 5,088,000	\$ 14,479,779	\$ 32,821,417
									\$ -	\$ 5,088,000	\$ 14,479,779	\$ 32,821,417

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75722069	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 43,697	\$ 282,460	\$ 113,345
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 12,138	\$ 150,000	\$ 33,433
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 185,105	\$ 2,287,500	\$ 436,874
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 236,935	\$ 2,928,000	\$ 559,201
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 76,371	\$ 1,575,000	\$ 204,518
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 346,276	\$ 7,141,250	\$ 897,647
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 112,669	\$ 1,197,780	\$ 292,251
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 75,739	\$ 1,575,000	\$ 202,825
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 227,362	\$ 4,728,000	\$ 589,387
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 201,562	\$ 3,300,000	\$ 410,851
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 2,428,052	\$ 101,220,000	\$ 6,047,492
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016			\$ 6,878,645	\$ 30,810,000	\$ 14,208,323
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016			\$ 723,140	\$ 3,239,000	\$ 1,478,346
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014			\$ 182,553	\$ 610,000	\$ 498,722
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 2,749,535	\$ 119,355,000	\$ 6,848,202
						\$ 14,479,779	\$ 280,398,990	\$ 32,821,417

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
75722069	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75722069	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	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
75722069	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		

**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
75722069	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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		

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

**Third Party Limitations.**

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75722069	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014			\$ 15,463	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			15.46%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			15.46%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			2.89%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 413,820	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 864,507	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			4.07%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.14%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 276,439	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015			\$ 638,917	\$ 4,130,000
	Brookline - Compton Ridge 345 KV	6/1/2013	6/1/2018			8.28%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 570,033	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 406,102	\$ 5,450,000
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			23.72%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			10.42%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 208,504	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 559,229	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014			\$ 18,320	\$ 180,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			12.76%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018			14.08%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			11.34%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			22.90%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			24.08%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015			9.41%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			24.75%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 773,034	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 776,430	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			2.30%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 780,151	\$ 2,000,000
					Total	\$ 6,300,949	\$ 67,505,000

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

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

Customer Study Number  
BPAE AG2-2011-060

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	75722114	WR	AECI	50	11/1/2012	11/1/2017	6/1/2018	6/1/2023	\$ -	\$ 2,544,000	\$ 7,239,906	\$ 16,410,753
									\$ -	\$ 2,544,000	\$ 7,239,906	\$ 16,410,753

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75722114	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 21,847	\$ 282,460	\$ 56,669
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 6,069	\$ 150,000	\$ 16,717
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 92,550	\$ 2,287,500	\$ 218,431
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 118,463	\$ 2,928,000	\$ 279,590
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 38,187	\$ 1,575,000	\$ 102,263
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 173,144	\$ 7,141,250	\$ 448,839
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 56,347	\$ 1,197,780	\$ 146,158
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 37,871	\$ 1,575,000	\$ 101,417
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 113,685	\$ 4,728,000	\$ 294,704
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 100,781	\$ 3,300,000	\$ 205,425
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 1,214,026	\$ 101,220,000	\$ 3,023,746
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016			\$ 3,439,323	\$ 30,810,000	\$ 7,104,162
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016			\$ 361,570	\$ 3,239,000	\$ 739,173
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014			\$ 91,276	\$ 610,000	\$ 249,360
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 1,374,767	\$ 119,355,000	\$ 3,424,100
						\$ 7,239,906	\$ 280,398,990	\$ 16,410,753

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
75722114	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75722114	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	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
75722114	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		

**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
75722114	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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		

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

**Third Party Limitations.**

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75722114	SELDON - BARNETT 161KV CKT 1 AECI #1	10/1/2012	6/1/2014			\$ 7,732	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECI #2	10/1/2012	10/1/2012			7.73%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			7.73%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			1.44%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 206,910	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 432,258	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			2.03%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.57%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 138,220	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015			\$ 319,442	\$ 4,130,000
	Brookline - Compton Ridge 345 KV	6/1/2013	6/1/2018			4.14%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 285,017	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 203,051	\$ 5,450,000
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			11.86%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECI	6/1/2013	6/1/2013			5.21%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 104,252	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 279,603	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 9,160	\$ 180,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			6.38%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018			7.04%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			5.67%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			11.45%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			12.04%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015			4.70%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			12.38%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 386,517	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 388,215	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			1.15%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 390,075	\$ 2,000,000
					Total	\$ 3,150,452	\$ 67,505,000

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



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

Customer Study Number  
CRGL AG2-2011-036

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
CRGL	75723159	WFEC	EES	50	12/1/2012	12/1/2017	6/1/2018	6/1/2023	\$ -	\$ 3,540,000	\$ 5,200,076	\$ 12,632,326
									\$ -	\$ 3,540,000	\$ 5,200,076	\$ 12,632,326

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723159	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 18,981	\$ 282,460	\$ 49,235
	CANTON - OKEENE 69KV CKT 1 #1	6/1/2013	6/1/2014		No	\$ 225,000	\$ 225,000	\$ 398,472
	CLINTON JUNCTION - ELK CITY 138KV CKT 1 #1	12/1/2012	6/1/2014		No	\$ 15,000	\$ 15,000	\$ 36,147
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 97,952	\$ 1,197,780	\$ 254,077
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 92,997	\$ 3,300,000	\$ 189,559
	LAKE CREEK - LONEWOLF 69KV CKT 1	6/1/2013	6/1/2013			\$ 197,972	\$ 197,972	\$ 366,844
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 2,113,774	\$ 101,220,000	\$ 5,264,727
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 2,438,400	\$ 119,355,000	\$ 6,073,265
					Total	\$ 5,200,076	\$ 225,793,212	\$ 12,632,326

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
75723159	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		

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
75723159	CANTON - TALOGA 69KV CKT 1	12/1/2012	6/1/2013		No
	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		

**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
75723159	ALTUS SW - NAVAJO 69KV CKT 1	6/1/2013	6/1/2013		
	CANTON - TALOGA 69KV CKT 1	6/1/2011	6/1/2013		
	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 345 KV 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		
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	10/1/2010	6/1/2013		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723159	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			1.12%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 160,460	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 336,695	\$ 18,000,000
	7OVERTON 345.00 (1) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.02%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			2.00%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 245,158	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 277,526	\$ 4,130,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			1.69%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			3.58%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 179,967	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 128,211	\$ 5,450,000
	CLAY - LOGAN 161KV CKT 1 AECI	6/1/2013	6/1/2013			3.25%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		No	\$ 63,092	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	-	-
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 188,475	\$ 4,000,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			5.03%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018			6.42%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			4.42%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			2.55%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015		No	8.18%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			2.48%	100.00%
	SHELDSEHSE	10/1/2012	10/1/2012			1.17%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	2.04%	100.00%
					Total	\$ 1,579,584	\$ 61,225,000

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

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

Customer Study Number  
CRGL AG2-2011-037

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
CRGL	75723163	WPEK	EES	200	1/1/2014	1/1/2019	6/1/2018	6/1/2023	\$ -	\$ 14,160,000	\$ 16,596,781	\$ 41,352,021
									\$ -	\$ 14,160,000	\$ 16,596,781	\$ 41,352,021

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723163	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 126,217	\$ 1,575,000	\$ 338,003
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 572,285	\$ 7,141,250	\$ 1,483,527
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 125,173	\$ 1,575,000	\$ 335,207
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 375,758	\$ 4,728,000	\$ 974,072
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 284,295	\$ 3,300,000	\$ 579,488
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 6,923,335	\$ 101,220,000	\$ 17,243,787
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 8,189,718	\$ 119,355,000	\$ 20,397,937
					Total	\$ 16,596,781	\$ 238,894,250	\$ 41,352,021

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
75723163	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2012	1/1/2015		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		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
75723163	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75723163	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723163	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			6.86%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 589,291	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,350,534	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.58%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			6.88%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 823,398	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			6.43%	100.00%

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

	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 690,151	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 491,676	\$ 5,450,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 9,464	\$ 180,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	6.86%	100.00%
					Total	\$ 3,954,514	\$ 51,280,000

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

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

Customer Study Number  
CRGL AG2-2011-038

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
CRGL	75723183	WPEK	EES	200	1/1/2014	1/1/2019	6/1/2018	6/1/2023	\$ -	\$ 14,160,000	\$ 16,596,781	\$ 41,352,021
									\$ -	\$ 14,160,000	\$ 16,596,781	\$ 41,352,021

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723183	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 126,217	\$ 1,575,000	\$ 338,003
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 572,285	\$ 7,141,250	\$ 1,483,527
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 125,173	\$ 1,575,000	\$ 335,207
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 375,758	\$ 4,728,000	\$ 974,072
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 284,295	\$ 3,300,000	\$ 579,488
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 6,923,335	\$ 101,220,000	\$ 17,243,787
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 8,189,718	\$ 119,355,000	\$ 20,397,937
	<b>Total</b>					\$ 16,596,781	\$ 238,894,250	\$ 41,352,021

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
75723183	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		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
75723183	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	latan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	latan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75723183	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723183	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			6.86%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 589,291	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,350,534	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.58%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			6.88%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 823,398	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			6.43%	100.00%

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

	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 690,151	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 491,676	\$ 5,450,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 9,464	\$ 180,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	6.86%	100.00%
					Total	\$ 3,954,514	\$ 51,280,000

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

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

Customer Study Number  
CRGL AG2-2011-039

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
CRGL	75723186	WPEK	EES	100	1/1/2014	1/1/2019	6/1/2018	6/1/2023	\$ -	\$ 7,080,000	\$ 8,298,391	\$ 20,676,012
									\$ -	\$ 7,080,000	\$ 8,298,391	\$ 20,676,012

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723186	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 63,109	\$ 1,575,000	\$ 169,003
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 286,142	\$ 7,141,250	\$ 741,762
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 62,587	\$ 1,575,000	\$ 167,605
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 187,879	\$ 4,728,000	\$ 487,036
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 142,147	\$ 3,300,000	\$ 289,743
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 3,461,668	\$ 101,220,000	\$ 8,621,895
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 4,094,859	\$ 119,355,000	\$ 10,198,969
					Total	\$ 8,298,391	\$ 238,894,250	\$ 20,676,012

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
75723186	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		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
75723186	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75723186	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723186	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.43%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 294,645	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 675,267	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.29%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.44%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 411,699	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.21%	100.00%

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

	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 345,075	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 245,838	\$ 5,450,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 4,732	\$ 180,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	3.43%	100.00%
					Total	\$ 1,977,256	\$ 51,280,000

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



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

Customer Study Number  
CRGL AG2-2011-041

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723256	NPPD	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 56,640,000	\$ 9,879,124	\$ 43,050,748
									\$ -	\$ 56,640,000	\$ 9,879,124	\$ 43,050,748

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723256	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 4,471,781	\$ 101,220,000	\$ 19,486,902
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2018		No	\$ 5,407,343	\$ 119,355,000	\$ 23,563,847
Total						\$ 9,879,124	\$ 220,575,000	\$ 43,050,748

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
75723256	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723256	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75723256	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kv 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		

\*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**

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723256	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			7.39%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 219,105	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 651,706	\$ 18,000,000
	ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.35%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			4.39%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 543,656	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			5.86%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 7,565	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			8.57%	100.00%
	SHELDSEHSE	10/1/2012	10/1/2012			8.17%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			2.62%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	4.53%	100.00%
					Total	\$ 1,422,032	\$ 38,180,000

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

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

Customer Study Number  
CRGL AG2-2011-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723270	NPPD	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 56,640,000	\$ 9,928,578	\$ 43,266,257
									\$ -	\$ 56,640,000	\$ 9,928,578	\$ 43,266,257

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723270	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 4,503,117	\$ 101,220,000	\$ 19,623,456
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018		No	\$ 5,425,461	\$ 119,355,000	\$ 23,642,800
					Total	\$ 9,928,578	\$ 220,575,000	\$ 43,266,257

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
75723270	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		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
75723270	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75723270	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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		

\*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**

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723270	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			7.68%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 245,361	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 709,170	\$ 18,000,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.55%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			4.42%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 545,478	\$ 12,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECL	6/1/2013	6/1/2014		No	\$ 7,831	\$ 180,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	4.55%	100.00%
					Total	\$ 1,507,840	\$ 38,180,000

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

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

Customer Study Number  
CRGL AG2-2011-043

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
CRGL	75723313	OKGE	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 56,640,000	\$ 18,950,903	\$ 82,350,042
									\$ -	\$ 56,640,000	\$ 18,950,903	\$ 82,350,042

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723313	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 76,551	\$ 282,460	\$ 330,942
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 204,808	\$ 1,197,780	\$ 885,417
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 384,294	\$ 3,300,000	\$ 1,451,143
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 8,481,823	\$ 101,220,000	\$ 36,961,661
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 9,803,427	\$ 119,355,000	\$ 42,720,880
					Total	\$ 18,950,903	\$ 225,355,240	\$ 82,350,042

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
75723313	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723313	CANTON - TALOGA 69KV CKT 1	12/1/2012	6/1/2013		No
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	NORTHWEST 345/138/13.8KV TRANSFORMER CKT 3 Accelerated	12/1/2012	6/1/2015		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		No
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2012	6/1/2013		No
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75723313	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kv 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 - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723313	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			4.92%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 659,628	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,399,158	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			4.36%	100.00%

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

ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			8.08%	100.00%
Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018	No	\$	985,641	\$ 12,000,000
BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015	No	\$	1,119,295	\$ 4,130,000
BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			6.70%	100.00%
Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			15.63%	100.00%
BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015	No	\$	734,933	\$ 7,650,000
BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015	No	\$	523,580	\$ 5,450,000
CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			13.44%	100.00%
CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016	No	\$	258,735	\$ 1,995,000
CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014	No	\$	-	\$ -
CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016	No	\$	762,085	\$ 4,000,000
CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014		\$	6,722	\$ 180,000
Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			20.57%	100.00%
Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018			25.43%	100.00%
COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			19.14%	100.00%
Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			11.12%	100.00%
EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015	No		17.10%	100.00%
MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			10.56%	100.00%
SHEELDSHEHSE	10/1/2012	10/1/2012			5.88%	100.00%
VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018	No		8.21%	100.00%
			Total	\$	6,449,777	\$ 61,405,000

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

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

Customer Study Number  
CRGL AG2-2011-044

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
CRGL	75723323	SECI	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 56,640,000	\$ 15,833,086	\$ 68,642,850
									\$ -	\$ 56,640,000	\$ 15,833,086	\$ 68,642,850

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723323	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 98,629	\$ 1,575,000	\$ 419,412
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 447,198	\$ 7,141,250	\$ 1,840,843
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 97,813	\$ 1,575,000	\$ 415,942
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 293,627	\$ 4,728,000	\$ 1,208,685
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 265,260	\$ 3,300,000	\$ 1,001,655
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 6,705,829	\$ 101,220,000	\$ 29,222,323
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 7,924,730	\$ 119,355,000	\$ 34,533,989
					Total	\$ 15,833,086	\$ 238,894,250	\$ 68,642,850

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
75723323	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723323	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		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
75723323	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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 345 KV WFEC	7/1/2012	7/1/2012		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723323	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			6.84%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 535,027	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,242,361	\$ 18,000,000
	7OVERTON 345.00 ( ) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.52%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			6.27%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 796,756	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			6.37%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 8,981	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			9.92%	100.00%
	SHEELDSHEISE	10/1/2012	10/1/2012			7.28%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	6.64%	100.00%
					Total	\$ 2,583,125	\$ 38,180,000

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



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

Customer Study Number  
CRGL AG2-2011-045

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
CRGL	75723335	SECI	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 28,320,000	\$ 7,916,543	\$ 34,321,425
									\$ -	\$ 28,320,000	\$ 7,916,543	\$ 34,321,425

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
75723335	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 49,315	\$ 1,575,000	\$ 209,708	
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 223,599	\$ 7,141,250	\$ 920,422	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 48,907	\$ 1,575,000	\$ 207,973	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 146,813	\$ 4,728,000	\$ 604,340	
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 132,630	\$ 3,300,000	\$ 500,828	
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 3,352,914	\$ 101,220,000	\$ 14,611,160	
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 3,962,365	\$ 119,355,000	\$ 17,266,994	
						Total	\$ 7,916,543	\$ 238,894,250	\$ 34,321,425

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
75723335	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723335	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		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
75723335	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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 345 KV WFEC	7/1/2012	7/1/2012		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723335	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.42%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 267,514	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 621,181	\$ 18,000,000
	7OVERTON 345.00 ( ) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.26%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.14%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 398,378	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.19%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 4,490	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			4.96%	100.00%
	SHEELDSHEISE	10/1/2012	10/1/2012			3.64%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	3.32%	100.00%
					Total	\$ 1,291,563	\$ 38,180,000

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

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

Customer Study Number  
CRGL AG2-2011-046

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723357	OKGE	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 28,320,000	\$ 9,133,501	\$ 39,696,360
									\$ -	\$ 28,320,000	\$ 9,133,501	\$ 39,696,360

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723357	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 35,784	\$ 282,460	\$ 154,700
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 174,384	\$ 1,197,780	\$ 753,889
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 168,286	\$ 3,300,000	\$ 635,469
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 4,110,961	\$ 101,220,000	\$ 17,914,539
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 4,644,086	\$ 119,355,000	\$ 20,237,764
	<b>Total</b>					\$ 9,133,501	\$ 225,355,240	\$ 39,696,360

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
75723357	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723357	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		Yes
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		Yes
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75723357	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kv 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		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723357	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 290,245	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 594,617	\$ 18,000,000
	7OVERTON 345.00 (1) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.56%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.81%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 466,918	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 523,213	\$ 4,130,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.48%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			5.18%	100.00%
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 353,099	\$ 4,000,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			9.34%	100.00%

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

Compton Ridge – Osage Creek 345 kV	6/1/2013	6/1/2018			13.06%	100.00%
COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			6.55%	100.00%
Compton Ridge 345/161 kV Transformer	6/1/2013	6/1/2018			3.64%	100.00%
EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015	No		14.56%	100.00%
VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2018	No		3.89%	100.00%
			Total		\$ 2,228,092	\$ 46,130,000

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

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

Customer Study Number  
CRGL AG2-2011-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723358	OKGE	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 28,320,000	\$ 9,133,501	\$ 39,696,360
									\$ -	\$ 28,320,000	\$ 9,133,501	\$ 39,696,360

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723358	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 35,784	\$ 282,460	\$ 154,700
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 174,384	\$ 1,197,780	\$ 753,889
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 168,286	\$ 3,300,000	\$ 635,469
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 4,110,961	\$ 101,220,000	\$ 17,914,539
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 4,644,086	\$ 119,355,000	\$ 20,237,764
	<b>Total</b>					\$ 9,133,501	\$ 225,355,240	\$ 39,696,360

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
75723358	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723358	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		Yes
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		Yes
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75723358	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kv 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		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723358	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 290,245	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 594,617	\$ 18,000,000
	7OVERTON 345.00 (1) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.56%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.81%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 466,918	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 523,213	\$ 4,130,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.48%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			5.18%	100.00%
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 353,099	\$ 4,000,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			9.34%	100.00%

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

Compton Ridge – Osage Creek 345 kV	6/1/2013	6/1/2018			13.06%	100.00%
COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			6.55%	100.00%
Compton Ridge 345/161 kV Transformer	6/1/2013	6/1/2018			3.64%	100.00%
EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015	No		14.56%	100.00%
VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2018	No		3.89%	100.00%
			Total		\$ 2,228,092	\$ 46,130,000

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

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

Customer Study Number  
CRGL AG2-2011-048

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	75723361	SECI	EES	200	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 56,640,000	\$ 16,496,888	\$ 71,473,678
									\$ -	\$ 56,640,000	\$ 16,496,888	\$ 71,473,678

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
75723361	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 124,636	\$ 1,575,000	\$ 530,005	
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 565,116	\$ 7,141,250	\$ 2,326,240	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 123,605	\$ 1,575,000	\$ 525,621	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 371,051	\$ 4,728,000	\$ 1,527,392	
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 281,168	\$ 3,300,000	\$ 1,061,726	
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 6,884,627	\$ 101,220,000	\$ 30,001,480	
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 8,146,685	\$ 119,355,000	\$ 35,501,213	
						Total	\$ 16,496,888	\$ 238,894,250	\$ 71,473,678

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
75723361	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75723361	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	CLIFTON - GREENLEAF 115KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	10/1/2012	6/1/2013		No
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75723361	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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 345 KV WFEC	7/1/2012	7/1/2012		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723361	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			6.90%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 583,212	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,340,359	\$ 18,000,000
	7OVERTON 345.00 ( ) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.68%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			6.41%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 819,071	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			6.42%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 687,221	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 489,589	\$ 5,450,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 9,488	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			10.13%	100.00%
	SHEELDSHESE	10/1/2012	10/1/2012			7.39%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	6.83%	100.00%
					Total	\$ 3,928,940	\$ 51,280,000

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



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

Customer Study Number  
CRGL AG2-2011-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723624	KCPL	EES	103	5/1/2012	5/1/2017	6/1/2018	6/1/2023	\$ -	\$ 7,292,400	\$ 12,643,731	\$ 32,135,116
									\$ -	\$ 7,292,400	\$ 12,643,731	\$ 32,135,116

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723624	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 KACP	6/1/2014	6/1/2015		No	\$ 5,872,596	\$ 9,799,650	\$ 15,313,753
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 10,139	\$ 150,000	\$ 27,927
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 154,620	\$ 2,287,500	\$ 364,925
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 197,914	\$ 2,928,000	\$ 467,105
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 2,890,575	\$ 101,220,000	\$ 7,199,487
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 3,517,887	\$ 119,355,000	\$ 8,761,918
					Total	\$ 12,643,731	\$ 235,740,150	\$ 32,135,116

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
75723624	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		No
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75723624	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	LOMA VISTA EAST - WINCHESTER JUNCTION NORTH 161KV CKT 1	6/1/2012	6/1/2012		

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
75723624	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		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
75723624	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723624	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014		No	\$ 27.221	\$ 100.000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			\$ 27.22%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			27.22%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AECl	6/1/2014	6/1/2014			59.93%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AMRN	6/1/2014	6/1/2014			59.93%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			6.18%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			94.45%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AMRN	6/1/2013	6/1/2013			94.45%	100.00%
	SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			94.45%	100.00%

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

SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 CWLD	6/1/2013	6/1/2013			94.45%	100.00%
ZJASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016	No	\$ 172,763	\$ 8,000,000	
ZJASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016	No	\$ 579,680	\$ 18,000,000	
ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.30%	100.00%
ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			2.88%	100.00%
Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018	No	\$ 353,690	\$ 12,000,000	
BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.21%	100.00%
BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015	No	\$ 347,775	\$ 7,650,000	
BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015	No	\$ 247,761	\$ 5,450,000	
CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014	No	\$ 25,767	\$ 180,000	
MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			5.12%	100.00%
NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014	No	\$ 39,994	\$ 70,000	
SHEELDSHEHSE	10/1/2012	10/1/2012			4.50%	100.00%
VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018	No		2.95%	100.00%
			Total	\$ 1,794,651	\$ 51,450,000	

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

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

Customer Study Number  
CRGL AG2-2011-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	75723626	WR	EES	103	5/1/2012	5/1/2017	6/1/2018	6/1/2023	\$ -	\$ 7,292,400	\$ 31,003,653	\$ 71,259,076
									\$ -	\$ 7,292,400	\$ 31,003,653	\$ 71,259,076

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723626	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 KACP	6/1/2014	6/1/2015		No	\$ 3,616,352	\$ 9,799,650	\$ 9,430,229
	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 957,221	\$ 3,152,000	\$ 1,956,888
	CENTENNIAL - WACO 138KV 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 2,871,664	\$ 9,456,000	\$ 5,870,667
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 208,763	\$ 1,575,000	\$ 559,057
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 946,557	\$ 7,141,250	\$ 2,453,747
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 478,307	\$ 1,575,000	\$ 1,010,137
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 2,064,009	\$ 6,796,500	\$ 4,219,543
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 207,036	\$ 1,575,000	\$ 554,432
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 621,502	\$ 4,728,000	\$ 1,611,111
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018		No	\$ 154,849	\$ 3,300,000	\$ 315,634
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018		No	\$ 3,615,351	\$ 101,220,000	\$ 9,004,669
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016		No	\$ 8,594,812	\$ 30,810,000	\$ 17,753,186
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016		No	\$ 903,557	\$ 3,239,000	\$ 1,847,181
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 114,511	\$ 610,000	\$ 312,836
	VAUGHN 115KV Capacitor	10/1/2012	6/1/2015		No	\$ 1,348,088	\$ 2,130,000	\$ 3,647,177
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 4,301,074	\$ 119,355,000	\$ 10,712,583
					Total	\$ 31,003,653	\$ 306,462,400	\$ 71,259,076

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
75723626	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75723626	Device - Northwest Manhattan Cap 115 kv	10/1/2012	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
75723626	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	Device - Timber Jct 138 kv Capacitor #2	6/1/2018	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		Yes
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		Yes
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		Yes
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75723626	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 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Circle 345KV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723626	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014		No	\$ 18,340	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			18.34%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			18.34%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AECl	6/1/2014	6/1/2014			36.90%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AMRN	6/1/2014	6/1/2014			36.90%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			4.33%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 347,794	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 792,856	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			4.48%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.50%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 432,432	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			3.32%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 375,586	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 267,574	\$ 5,450,000
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			6.82%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		No	\$ 133,181	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 365,141	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014		No	\$ 6,623	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			5.41%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014		No	\$ 18,974	\$ 70,000
	SHEELDSHESE	10/1/2012	10/1/2012			4.15%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	3.60%	100.00%
					Total	\$ 2,758,501	\$ 57,445,000

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

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

Customer Study Number  
EDE AG2-2011-064

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
EDE	75677330	KCPL	EDE	3	1/1/2012	1/1/2017	6/1/2018	6/1/2023	\$ -	\$ -	\$ 3,228,338	\$ 6,661,634
									\$ -	\$ -	\$ 3,228,338	\$ 6,661,634

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75677330	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 8,144	\$ 3,300,000	\$ 16,600
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016		No	\$ 2,913,865	\$ 30,810,000	\$ 6,018,792
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016		No	\$ 306,329	\$ 3,239,000	\$ 626,242
<b>Total</b>						<b>\$ 3,228,338</b>	<b>\$ 37,349,000</b>	<b>\$ 6,661,634</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
75677330	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75677330	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	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
75677330	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		No
	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75677330	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

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
75677330	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014		Yes
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016		Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75677330	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			0.14%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 6,362	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 11,818	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			0.16%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018		No	0.47%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 254	\$ 180,000
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018		No	0.08%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018		No	2.32%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018		No	8.34%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			0.01%	100.00%
	LAMAR 161/69KV TRANSFORMER CKT 1	6/1/2012	6/1/2014		No	\$ 2,000,000	\$ 2,000,000
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2013	6/1/2015		No	\$ 143,212	\$ 2,000,000
					Total	\$ 2,161,646	\$ 30,180,000

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

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

Customer Study Number  
 INDP AG2-2011-004

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
INDP	75702691	KCPL	INDN	3	1/1/2012	1/1/2040	6/1/2017	6/1/2045	\$ -	\$ 854,784	\$ 205,010	\$ 955,560
									\$ -	\$ 854,784	\$ 205,010	\$ 955,560

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75702691	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 792	\$ 150,000	\$ 4,297
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 12,085	\$ 2,287,500	\$ 56,178
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 15,469	\$ 2,928,000	\$ 71,909
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 174,023	\$ 3,294,000	\$ 808,966
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 2,641	\$ 610,000	\$ 14,210
					Total	\$ 205,010	\$ 9,269,500	\$ 955,560

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
75702691	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75702691	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #1	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
75702691	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
75702691	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			1.20%	100.00%
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2013	6/1/2015			\$ 1,791,391	\$ 2,000,000
	SUB C - Sterling Rd Junction 69KV CKT 1	6/1/2018	6/1/2018			91.13%	100.00%
					Total	\$ 1,791,391	\$ 2,000,000

\*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**  
 INF AG2-2011-053

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
INF	75723823	NPPD	AMRN	74	12/1/2012	12/1/2017	6/1/2018	6/1/2023	\$ -	\$ 3,765,120	\$ 4,307,879	\$ 10,729,532
									\$ -	\$ 3,765,120	\$ 4,307,879	\$ 10,729,532

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723823	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 1,957,695	\$ 101,220,000	\$ 4,875,985
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018			\$ 2,350,184	\$ 119,355,000	\$ 5,853,548
					Total	\$ 4,307,879	\$ 220,575,000	\$ 10,729,532

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
75723823	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75723823	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2 LES	6/1/2012	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
75723823	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2012	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723823	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723823	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014			\$ 12,319	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			12.32%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			12.32%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.30%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 134,264	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 365,219	\$ 18,000,000



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

7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.06%	100.00%
ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.91%	100.00%
Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 236,288	\$ 12,000,000
CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 3,903	\$ 180,000
FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			11.53%	100.00%
VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			1.97%	100.00%
			Total		\$ 751,993	\$ 38,280,000

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

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

Customer Study Number  
INF AG2-2011-055

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
INF	75722463	NPPD	AMRN	90	12/1/2012	12/1/2017	6/1/2018	6/1/2023	\$ -	\$ 4,579,200	\$ 5,168,832	\$ 12,873,888
									\$ -	\$ 4,579,200	\$ 5,168,832	\$ 12,873,888

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75722463	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 2,348,238	\$ 101,220,000	\$ 5,848,701
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018			\$ 2,820,594	\$ 119,355,000	\$ 7,025,187
	<b>Total</b>					\$ 5,168,832	\$ 220,575,000	\$ 12,873,888

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
75722463	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		

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
75722463	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75722463	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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 - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75722463	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.62%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 146,478	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 395,953	\$ 18,000,000
	ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.31%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			2.27%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 283,584	\$ 12,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			2.72%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 4,062	\$ 180,000
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			4.11%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			3.62%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			2.36%	100.00%
					Total	\$ 830,077	\$ 38,180,000

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

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

Customer Study Number  
INF AG2-2011-056

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
INF	75722852	SECI	AMRN	200	12/31/2014	12/31/2019	6/1/2018	6/1/2023	\$ -	\$ 10,176,000	\$ 16,564,220	\$ 41,263,963
									\$ -	\$ 10,176,000	\$ 16,564,220	\$ 41,263,963

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75722852	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 124,990	\$ 1,575,000	\$ 334,717
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 566,723	\$ 7,141,250	\$ 1,469,108
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 123,957	\$ 1,575,000	\$ 331,951
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 372,106	\$ 4,728,000	\$ 964,605
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 296,599	\$ 3,300,000	\$ 604,568
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 6,915,041	\$ 101,220,000	\$ 17,223,129
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 8,164,804	\$ 119,355,000	\$ 20,335,884
<b>Total</b>						\$ 16,564,220	\$ 238,894,250	\$ 41,263,963

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
75722852	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		

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
75722852	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		
	latan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		
	latan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75722852	Circle - Reno 345kv Dbl CKT	6/1/2017	6/1/2018		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kv WFEC	7/1/2012	7/1/2012		
	Mullergren - Circle 345kv Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kv Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75722852	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			7.18%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 609,467	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 1,397,823	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			6.83%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			6.88%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 820,893	\$ 12,000,000
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 739,537	\$ 7,650,000

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

BUFORD - 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		\$ 526,860	\$ 5,450,000
CLAY - LOGAN 161KV CKT 1 AECI	6/1/2013	6/1/2013		12.09%	100.00%
CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		\$ 249,950	\$ 1,995,000
CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		\$ 9,755	\$ 180,000
VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		6.84%	100.00%
			Total	\$ 4,354,285	\$ 53,275,000

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

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

Customer Study Number  
KBPU AG2-2011-005

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KBPU	75705418	MPS	KACY	5	6/1/2012	6/1/2024	6/1/2017	6/1/2029	\$ -	\$ 610,560	\$ 12,457,220	\$ 32,287,170
									\$ -	\$ 610,560	\$ 12,457,220	\$ 32,287,170

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75705418	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 5,321	\$ 150,000	\$ 17,539
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016		No	\$ 81,147	\$ 2,287,500	\$ 229,198
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016		No	\$ 103,868	\$ 2,928,000	\$ 293,372
	ORRICK - RICHMOND 161KV CKT 1	6/1/2014	6/1/2016			\$ 8,243,988	\$ 14,000,000	\$ 21,335,687
	ORRICK - SIBLEYPL 161.00 161KV CKT 1	6/1/2014	6/1/2016			\$ 4,022,896	\$ 7,000,000	\$ 10,411,375
	<b>Total</b>					\$ 12,457,220	\$ 26,365,500	\$ 32,287,170

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
75705418	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		

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
75705418	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #1	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
75705418	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		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
75705418	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

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
75705418	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2013	6/1/2015		Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75705418	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 117	\$ 180,000
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			1.90%	100.00%
	<b>Total</b>					\$ 117	\$ 180,000

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

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

Customer Study Number  
KBPU AG2-2011-009

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
KBPU	75710066	MPS	KACY	100	1/1/2014	1/1/2034	6/1/2016	6/1/2036	\$ -	\$ 20,352,000	\$ 5,837,686	\$ 16,107,306
									\$ -	\$ 20,352,000	\$ 5,837,686	\$ 16,107,306

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75710066	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 83,963	\$ 150,000	\$ 269,722
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016		Yes	\$ 1,280,441	\$ 2,287,500	\$ 3,524,517
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016		Yes	\$ 1,638,964	\$ 2,928,000	\$ 4,511,380
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2	6/1/2013	6/1/2016		Yes	\$ 2,834,318	\$ 3,294,000	\$ 7,801,688
	<b>Total</b>					\$ 5,837,686	\$ 8,659,500	\$ 16,107,306

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
75710066	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75710066	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #1	6/1/2013	6/1/2014		

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
75710066	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75710066	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			14.07%	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.

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

Customer Study Number  
 KCPS AG2-2011-006

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
KCPS	75709838	SECI	KCPL	31	1/1/2012	1/1/2017	4/1/2017	4/1/2017	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75709838	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75709838	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		

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
75709838	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		

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 fixed stop date.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75709838	7JASPER - 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		Yes



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

Customer Study Number  
 KCPS AG2-2011-007

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
KCPS	75709976	WPEK	KCPL	101	12/1/2011	12/1/2031	6/1/2018	6/1/2038	\$ -	\$ -	\$ 3,275,211	\$ 14,293,790
									\$ -	\$ -	\$ 3,275,211	\$ 14,293,790

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
75709976	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 9,151	\$ 150,000	\$ 43,070	
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 139,557	\$ 2,287,500	\$ 562,815	
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 178,634	\$ 2,928,000	\$ 720,407	
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 58,330	\$ 1,575,000	\$ 248,044	
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 264,475	\$ 7,141,250	\$ 1,088,683	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 57,847	\$ 1,575,000	\$ 245,990	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 173,652	\$ 4,728,000	\$ 714,820	
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 16,310	\$ 610,000	\$ 76,138	
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2016		No	\$ 2,377,255	\$ 5,500,000	\$ 10,593,823	
						Total	\$ 3,275,211	\$ 26,494,750	\$ 14,293,790

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
75709976	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	PRATT - ST JOHN 115KV CKT 1	10/1/2012	6/1/2013		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75709976	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	Device - Northwest Manhattan Cap 115 kv	10/1/2012	6/1/2014		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
75709976	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	CLIFTON - GREENLEAF 115KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	10/1/2012	6/1/2013		No
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE - PRATT 115KV CKT 1	6/1/2012	6/1/2013		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75709976	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2015	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
75709976	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 122,889	\$ 8,000,000
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			7.80%	100.00%
					Total	\$ 122,889	\$ 8,000,000

\*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.

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

Customer Study Number  
 KCPS AG2-2011-008

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
KCPS	75709980	WPEK	KCPL	100	12/1/2011	12/1/2031	6/1/2018	6/1/2038	\$ -	\$ -	\$ 1,640,831	\$ 7,021,575
									\$ -	\$ -	\$ 1,640,831	\$ 7,021,575

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
75709980	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 9,067	\$ 150,000	\$ 42,674	
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 138,268	\$ 2,287,500	\$ 557,616	
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 176,983	\$ 2,928,000	\$ 713,749	
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 56,062	\$ 1,575,000	\$ 238,399	
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 254,191	\$ 7,141,250	\$ 1,046,350	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 55,598	\$ 1,575,000	\$ 236,426	
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 166,900	\$ 4,728,000	\$ 687,026	
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 31,318	\$ 610,000	\$ 146,197	
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2016		No	\$ 752,444	\$ 5,500,000	\$ 3,353,136	
						Total	\$ 1,640,831	\$ 26,494,750	\$ 7,021,575

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
75709980	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	PRATT - ST JOHN 115KV CKT 1	10/1/2012	6/1/2013		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75709980	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	Device - Northwest Manhattan Cap 115 kv	10/1/2012	6/1/2014		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
75709980	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	CLIFTON - GREENLEAF 115KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	10/1/2012	6/1/2013		No
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE - PRATT 115KV CKT 1	6/1/2012	6/1/2013		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75709980	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		
	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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		
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	6/1/2015	6/1/2015		
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2015	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75709980	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 122,531	\$ 8,000,000
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			7.76%	100.00%
					Total	\$ 122,531	\$ 8,000,000

\*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.

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

Customer Study Number  
 KCPS AG2-2011-032

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
KCPS	75723345	KCPL	EES	2	1/1/2012	1/1/2016	4/1/2016	4/1/2016	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723345	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723345	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		No
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		

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 fixed stop date.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723345	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		Yes
	VBI - Arkansas Nuclear One 345kV EES	6/1/2013	6/1/2018		Yes
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018		Yes

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

Customer Study Number  
 KCPS AG2-2011-033

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	75723331	KCPL	EES	2	6/1/2012	6/1/2025	6/1/2018	6/1/2025	\$ -	\$ 198,240	\$ 109,966	\$ 297,610
									\$ -	\$ 198,240	\$ 109,966	\$ 297,610

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723331	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 48,985	\$ 101,220,000	\$ 132,572
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 60,981	\$ 119,355,000	\$ 165,038
Total						\$ 109,966	\$ 220,575,000	\$ 297,610

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
75723331	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		No
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		

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
75723331	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723331	GAIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			0.57%	100.00%
	6CAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			0.97%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.06%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 6,131	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			0.58%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			0.58%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			0.57%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			0.58%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			0.20%	100.00%
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			0.00%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			0.35%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			0.84%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	0.05%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.30%	100.00%
Total						\$ 6,131	\$ 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.

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

Customer Study Number  
 KCPS AG2-2011-035

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
KCPS	75723322	KCPL	EES	100	1/1/2012	1/1/2014	4/1/2014	4/1/2014	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723322	None					\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723322	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		

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
75723322	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		

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 fixed stop date.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723322	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014		Yes

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

Customer Study Number  
KEPC AG2-2011-065

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	75670817	KCPL	WR	2	1/1/2012	6/1/2030	6/1/2017	11/1/2035	\$ 360,000	\$ -	\$ 7,395,596	\$ 23,148,194
									\$ 360,000	\$ -	\$ 7,395,596	\$ 23,148,194

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75670817	BUTLER - MIDIAN 138KV CKT 1	6/1/2018	6/1/2018			\$ 2,955,000	\$ 2,955,000	\$ 9,238,618
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 1,385	\$ 1,575,000	\$ 5,235
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 6,279	\$ 7,141,250	\$ 22,974
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 1,373	\$ 1,575,000	\$ 5,190
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 4,123	\$ 4,728,000	\$ 15,085
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 4,400,000	\$ 4,400,000	\$ 13,756,318
	VAUGHN 115KV Capacitor	10/1/2012	6/1/2015		No	\$ 27,436	\$ 2,130,000	\$ 104,775
					Total	\$ 7,395,596	\$ 24,504,250	\$ 23,148,194

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
75670817	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		No
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75670817	Device - Northwest Manhattan Cap 115 kV	10/1/2012	6/1/2014		No
	FORT JUNCTION SWITCHING STATION - WEST JUNCTION CITY JUNCTION (EAST) 115KV CKT 1	6/1/2012	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
75670817	Device - Timber Jct 138 kV Capacitor #2	6/1/2018	6/1/2018		
	EL PASO - FARBER 138KV CKT 1	6/1/2014	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75670817	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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



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

Customer Study Number  
LESM AG2-2011-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
LESM	75665751	NPPD	LES	3	10/1/2012	10/1/2017	6/1/2013	6/1/2018	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75665751	None					\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75665751	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75665751	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2 LES	6/1/2012	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
75665751	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	KELLY - MADISONCO 230.00 230KV CKT 1	10/1/2013	11/1/2014		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75665751	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	FT RANDAL - MADISONCO 230.00 230KV CKT 1	11/1/2014	11/1/2014		
	KELLY - MADISONCO 230.00 230KV CKT 1	11/1/2014	11/1/2014		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		

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

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

Customer Study Number  
MOWR AG2-2011-057

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
MOWR	75723278	KCPL	AMRN	1	6/1/2012	6/1/2017	6/1/2017	6/1/2022	\$ -	\$ 50,880	\$ 92,024	\$ 215,816
									\$ -	\$ 50,880	\$ 92,024	\$ 215,816

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723278	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 KACP	6/1/2014	6/1/2015			\$ 56,573	\$ 9,799,650	\$ 135,069
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 16,313	\$ 101,220,000	\$ 37,156
	VBI - Arkansas Nuclear One 345kv OKGE	6/1/2013	6/1/2018			\$ 19,138	\$ 119,355,000	\$ 43,591
	<b>Total</b>					\$ 92,024	\$ 230,374,650	\$ 215,816

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
75723278	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75723278	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	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
75723278	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723278	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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
75723278	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016		

**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
75723278	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014			\$ 260	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			0.26%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			0.26%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AECl	6/1/2014	6/1/2014			0.58%	100.00%
	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AMRN	6/1/2014	6/1/2014			0.58%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			0.07%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			0.98%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AMRN	6/1/2013	6/1/2013			0.98%	100.00%
	SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			0.98%	100.00%
	SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 CWLD	6/1/2013	6/1/2013			0.98%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 2,957	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 7,731	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			0.06%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.02%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 1,924	\$ 12,000,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 3,508	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014			\$ 84	\$ 180,000
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			0.00%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			0.21%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014			\$ 266	\$ 70,000
	PLATTE CITY 161/69KV TRANSFORMER CKT 1	6/1/2013	6/1/2015			\$ 65,397	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.02%	100.00%
					Total	\$ 82,127	\$ 44,350,000

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

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

Customer Study Number  
NPPM AG2-2011-011

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
NPPM	75691899	NPPD	NPPD	30	10/1/2012	10/1/2022	6/1/2018	6/1/2028	\$ 4,876,472	\$ -	\$ 4,876,472	\$ 9,802,562
									\$ 4,876,472	\$ -	\$ 4,876,472	\$ 9,802,562

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
75691899	AINSWORTH - AINSWORTH 115KV CKT 1	10/1/2012	6/1/2015		Yes	\$ 605,862	\$ -	\$ 605,862	\$ 1,500,000	\$ 1,255,123
	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2012	6/1/2016		Yes	\$ 2,304,332	\$ -	\$ 2,304,332	\$ 7,000,000	\$ 4,474,036
	CANADAY - ELM CREEK - KEARNEY 115KV CKT 1	10/1/2012	6/1/2015		Yes	\$ 1,966,278	\$ -	\$ 1,966,278	\$ 5,000,000	\$ 4,073,403
					Total	\$ 4,876,472	\$ -	\$ 4,876,472	\$ 13,500,000	\$ 9,802,562

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
75691899	CANADAY - LEXINGTON 115KV CKT 1	10/1/2012	6/1/2013		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbi ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	TUCCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015		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
75691899	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		Yes
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		Yes
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		Yes
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		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
75691899	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NEUGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		

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

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

Customer Study Number  
NPPM AG2-2011-022

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
NPPM	75249566	NPPD	EES	100	12/31/2011	12/31/2016	6/1/2018	6/1/2023	\$ -	\$ 7,080,000	\$ 8,100,335	\$ 19,958,384
									\$ -	\$ 7,080,000	\$ 8,100,335	\$ 19,958,384

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75249566	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2012	6/1/2016			\$ 613,320	\$ 7,000,000	\$ 1,279,663
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 27,274	\$ 1,575,000	\$ 73,038
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 123,665	\$ 7,141,250	\$ 320,575
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 27,049	\$ 1,575,000	\$ 72,436
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 81,198	\$ 4,728,000	\$ 210,488
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 3,264,898	\$ 101,220,000	\$ 8,131,804
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 3,962,931	\$ 119,355,000	\$ 9,870,379
					Total	\$ 8,100,335	\$ 242,594,250	\$ 19,958,384

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
75249566	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75249566	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2 LES	6/1/2012	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
75249566	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Spearville 345/115/13.8KV Transformer CKT 3	10/1/2012	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	VICTORY HILL (VICTORYHL T1) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2015		

**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
75249566	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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 - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75249566	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.96%	100.00%
	GAIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			28.35%	100.00%
	GCAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			28.27%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 129,412	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 380,732	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.60%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.22%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 398,435	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			28.20%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			28.48%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			28.47%	100.00%
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			10.63%	100.00%
	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	6/1/2013	6/1/2013			28.17%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AEI	6/1/2013	6/1/2014			\$ 4,426	\$ 180,000
	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			28.15%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			13.81%	100.00%
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	10/1/2013			27.74%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			28.17%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2014	10/1/2014			27.74%	100.00%
	LEACH - TOLEDO BEND 138KV CKT 1	10/1/2012	10/1/2012			27.97%	100.00%
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	10/1/2014			27.74%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			10.19%	100.00%
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			40.74%	100.00%
	NAVSOTA - SOTA 138KV CKT 1	10/1/2013	10/1/2013			27.75%	100.00%
	RAPIDES - RODEMACHER 230KV CKT 1	10/1/2012	10/1/2012			28.11%	100.00%
	SHEELDSHESE	10/1/2012	10/1/2012			14.77%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			28.61%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	10/1/2013	10/1/2013			27.91%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	10/1/2014	10/1/2014			27.91%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			3.32%	100.00%
	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	10/1/2014	10/1/2014			28.48%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			28.17%	100.00%
					Total	\$ 913,005	\$ 38,180,000

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

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

Customer Study Number  
NPPM AG2-2011-023

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NPPM	75536556	NPPD	EES	100	1/1/2012	1/1/2017	6/1/2018	6/1/2023	\$ -	\$ 7,080,000	\$ 8,100,335	\$ 19,958,384
									\$ -	\$ 7,080,000	\$ 8,100,335	\$ 19,958,384

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75536556	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2012	6/1/2016			\$ 613,320	\$ 7,000,000	\$ 1,279,663
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 27,274	\$ 1,575,000	\$ 73,038
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 123,665	\$ 7,141,250	\$ 320,575
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016			\$ 27,049	\$ 1,575,000	\$ 72,436
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016			\$ 81,198	\$ 4,728,000	\$ 210,488
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 3,264,898	\$ 101,220,000	\$ 8,131,804
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 3,962,931	\$ 119,355,000	\$ 9,870,379
					Total	\$ 8,100,335	\$ 242,594,250	\$ 19,958,384

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
75536556	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kV dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75536556	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2 LES	6/1/2012	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
75536556	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2012	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	VICTORY HILL (VICTORYHL T1) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2015		

**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
75536556	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV 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 - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75536556	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.96%	100.00%
	GAIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			28.35%	100.00%
	GCAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			28.27%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016			\$ 129,412	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 380,732	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.60%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.22%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 398,435	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			28.20%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			28.48%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			28.47%	100.00%
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			10.63%	100.00%
	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	6/1/2013	6/1/2013			28.17%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014			\$ 4,426	\$ 180,000
	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			28.15%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			13.81%	100.00%
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	10/1/2013			27.74%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			28.17%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2014	10/1/2014			27.74%	100.00%
	LEACH - TOLEDO BEND 138KV CKT 1	10/1/2012	10/1/2012			27.97%	100.00%
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	10/1/2014			27.74%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			10.19%	100.00%
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			40.74%	100.00%
	NAVSOTA - SOTA 138KV CKT 1	10/1/2013	10/1/2013			27.75%	100.00%
	RAPIDES - RODEMACHER 230KV CKT 1	10/1/2012	10/1/2012			28.11%	100.00%
	SHEELDSHESE	10/1/2012	10/1/2012			14.77%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			28.61%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	10/1/2013	10/1/2013			27.91%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	10/1/2014	10/1/2014			27.91%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			3.32%	100.00%
	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	10/1/2014	10/1/2014			28.48%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			28.17%	100.00%
					Total	\$ 913,005	\$ 38,180,000

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



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

Customer Study Number  
OPPM AG2-2011-002

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
OPPM	75681681	NPPD	OPPD	45	10/1/2012	10/1/2022	6/1/2018	6/1/2028	\$ 4,931,259	\$ -	\$ 7,396,888	\$ 18,522,775
									\$ 4,931,259	\$ -	\$ 7,396,888	\$ 18,522,775

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
75681681	AINSWORTH - AINSWORTH 115KV CKT 1	10/1/2012	6/1/2015		Yes	\$ 596,092	\$ 298,046	\$ 894,138	\$ 1,500,000	\$ 2,306,941
	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2012	6/1/2016		Yes	\$ 2,312,685	\$ 1,156,343	\$ 3,469,028	\$ 7,000,000	\$ 8,388,612
	CANADAY - ELM CREEK - KEARNEY 115KV CKT 1	10/1/2012	6/1/2015		Yes	\$ 2,022,481	\$ 1,011,241	\$ 3,033,722	\$ 5,000,000	\$ 7,827,223
					Total	\$ 4,931,259	\$ 2,465,629	\$ 7,396,888	\$ 13,500,000	\$ 18,522,775

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
75681681	CANADAY - LEXINGTON 115KV CKT 1	10/1/2012	6/1/2013		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	TUCCO - WOODWARD 345 kv CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 kv CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75681681	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2018	6/1/2018		
	SUB 921 - SUB 942 69KV CKT 1	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
75681681	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		No
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2018		No
	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	6/1/2012	6/1/2018		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
75681681	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		

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

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

Customer Study Number  
SPSM AG2-2011-028

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
SPSM	75711749	CSWS	SPS	100	6/1/2013	6/1/2014	6/1/2018	6/1/2019	\$ -	\$ -	\$ 3,072,150	\$ 5,302,562
									\$ -	\$ -	\$ 3,072,150	\$ 5,302,562

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75711749	Line - Osage Station and Line Re-termination Accelerate	6/1/2013	6/1/2014		Yes	\$ 213,700	\$ 213,700	\$ 322,086
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 1,434,988	\$ 101,220,000	\$ 2,500,279
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018		No	\$ 1,423,462	\$ 119,355,000	\$ 2,480,197
	<b>Total</b>					\$ 3,072,150	\$ 220,788,700	\$ 5,302,562

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
75711749	Line - Comanche County - Medicine Lodge 345 kV dbi ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbi ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbi ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbi ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbi Ckt OKGE	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbi ckt SUNC	6/1/2012	1/1/2015		No
	NEWHART INTERCHANGE PROJECT	6/1/2013	6/1/2015		Yes
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kV	6/1/2012	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
75711749	CARLISLE INTERCHANGE (WH XHS70711) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	EDDY COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	10/1/2013	6/1/2015		Yes
	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	Line - Randall - South Georgia 115kV reconductor	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
75711749	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		Yes
	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	6/1/2018	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		Yes
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		Yes
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		Yes
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75711749	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 345 KV 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 - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75711749	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 56,054	\$ 8,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.22%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 143,115	\$ 12,000,000
	Compton Ridge – Cox Creek 345 kv	6/1/2013	6/1/2018			2.36%	100.00%
	Compton Ridge – Osage Creek 345 kv	6/1/2013	6/1/2018			7.72%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			0.33%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			7.87%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			1.76%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			1.79%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	1.19%	100.00%
					Total	\$ 199,169	\$ 20,000,000

\*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.

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

Customer Study Number  
SPSM AG2-2011-031

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
SPSM	75723068	SPS	SPS	23	6/1/2013	6/1/2033	6/1/2015	6/1/2035	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723068	None					\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723068	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2013	6/1/2015		Yes
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75723068	CARLISLE INTERCHANGE (WH XHS70711) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2018	6/1/2018		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	EDDY COUNTY INTERCHANGE (J) 230/115/13.2KV TRANSFORMER CKT 2	10/1/2013	6/1/2015		Yes
	HITCHLAND INTERCHANGE (J) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2021	6/1/2021		
	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	Line - Randall - South Georgia 115KV reconductor	6/1/2013	6/1/2014		
	PLANT X STATION (WH ALM20171) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2015		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
75723068	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	6/1/2018	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75723068	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  
TEA AG2-2011-015

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
TEA	75463979	SPRM	EES	25	1/1/2012	1/1/2017	6/1/2017	6/1/2022	\$ -	\$ 1,770,000	\$ 1,876,686	\$ 4,274,530
									\$ -	\$ 1,770,000	\$ 1,876,686	\$ 4,274,530

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75463979	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 820,810	\$ 101,220,000	\$ 1,869,560
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018			\$ 1,055,876	\$ 119,355,000	\$ 2,404,970
Total						\$ 1,876,686	\$ 220,575,000	\$ 4,274,530

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
75463979	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		

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
75463979	Multi - Centerton - Osage Creek 345 kV	6/1/2013	6/1/2016		
	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 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
75463979	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75463979	HUGO POWER PLANT - VALLIANT 345 kV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kV WFEC	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75463979	GAIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			7.11%	100.00%
	GCAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			7.08%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.87%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 106,158	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			7.36%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			7.10%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			7.10%	100.00%
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			2.71%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			11.56%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 191,895	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 136,709	\$ 5,450,000
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			7.46%	100.00%
	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	6/1/2013	6/1/2013			7.15%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			9.17%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 185,113	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 119,656	\$ 4,000,000
	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			7.09%	100.00%
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			4.83%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			6.83%	100.00%
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	10/1/2013			6.88%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			7.31%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2014	10/1/2014			6.88%	100.00%
	LEACH - TOLEDO BEND 138KV CKT 1	10/1/2012	10/1/2012			7.00%	100.00%
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	10/1/2014			6.88%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			2.86%	100.00%
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			9.26%	100.00%
	NAVSOTA - SOTA 138KV CKT 1	10/1/2013	10/1/2013			6.88%	100.00%
	RAPIDES - RODEMACHER 230KV CKT 1	10/1/2012	10/1/2012			7.12%	100.00%
	SHEELDSHEHE	10/1/2012	10/1/2012			4.03%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			7.44%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	10/1/2013	10/1/2013			7.01%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	10/1/2014	10/1/2014			7.01%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.88%	100.00%
	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	10/1/2014	10/1/2014			7.15%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			7.06%	100.00%
					Total	\$ 739,531	\$ 31,095,000

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

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

Customer Study Number  
TEA AG2-2011-016

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
TEA	75463977	SPRM	EES	25	1/1/2012	1/1/2017	6/1/2017	6/1/2022	\$ -	\$ 1,770,000	\$ 1,876,686	\$ 4,274,530
									\$ -	\$ 1,770,000	\$ 1,876,686	\$ 4,274,530

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75463977	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 820,810	\$ 101,220,000	\$ 1,869,560
	VBI - Arkansas Nuclear One 345kV OKGE	6/1/2013	6/1/2018			\$ 1,055,876	\$ 119,355,000	\$ 2,404,970
Total						\$ 1,876,686	\$ 220,575,000	\$ 4,274,530

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
75463977	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		

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
75463977	Multi - Centerton - Osage Creek 345 kV	6/1/2013	6/1/2016		
	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 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
75463977	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75463977	HUGO POWER PLANT - VALLIANT 345 kV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kV WFEC	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75463977	GAIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			7.11%	100.00%
	GCAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			7.08%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.87%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 106,158	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			7.36%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			7.10%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			7.10%	100.00%
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			2.71%	100.00%
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			11.56%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 191,895	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 136,709	\$ 5,450,000
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			7.46%	100.00%
	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	6/1/2013	6/1/2013			7.15%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			9.17%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 185,113	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 119,656	\$ 4,000,000
	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			7.09%	100.00%
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			4.83%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			6.83%	100.00%
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	10/1/2013			6.88%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			7.31%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2014	10/1/2014			6.88%	100.00%
	LEACH - TOLEDO BEND 138KV CKT 1	10/1/2012	10/1/2012			7.00%	100.00%
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	10/1/2014			6.88%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			2.86%	100.00%
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			9.26%	100.00%
	NAVSOTA - SOTA 138KV CKT 1	10/1/2013	10/1/2013			6.88%	100.00%
	RAPIDES - RODEMACHER 230KV CKT 1	10/1/2012	10/1/2012			7.12%	100.00%
	SHEELDSHEHE	10/1/2012	10/1/2012			4.03%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			7.44%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	10/1/2013	10/1/2013			7.01%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	10/1/2014	10/1/2014			7.01%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.88%	100.00%
	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	10/1/2014	10/1/2014			7.15%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			7.06%	100.00%
					Total	\$ 739,531	\$ 31,095,000

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



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

Customer Study Number  
TEA AG2-2011-017

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
TEA	75315362	SPA	AECI	25	3/1/2013	3/1/2016	6/1/2017	6/1/2020	\$ -	\$ 763,200	\$ 903,684	\$ 1,888,665
									\$ -	\$ 763,200	\$ 903,684	\$ 1,888,665

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75315362	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 2,897	\$ 150,000	\$ 6,735
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 44,176	\$ 2,287,500	\$ 88,010
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 56,546	\$ 2,928,000	\$ 112,655
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 97,482	\$ 1,197,780	\$ 215,751
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 300,684	\$ 101,220,000	\$ 627,195
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 401,899	\$ 119,355,000	\$ 838,319
						\$ 903,684	\$ 227,138,280	\$ 1,888,665

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
75315362	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		

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
75315362	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	Multi - Centerton - Osage Creek 345 kV	6/1/2013	6/1/2016		
	Multi - Flint Creek - Centerton 345 kV and Centerton - East Centerton 161 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
75315362	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75315362	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

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
75315362	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		

**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
75315362	ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			0.04%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.57%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 40,407	\$ 12,000,000
	Brookline - Compton Ridge 345 KV	6/1/2013	6/1/2018			10.36%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015			\$ 227,051	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015			\$ 161,755	\$ 5,450,000
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			9.37%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			9.78%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016			\$ 195,223	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014			\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016			\$ 172,644	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014			\$ 2,796	\$ 180,000
	Compton Ridge - Cox Creek 345 KV	6/1/2013	6/1/2018			5.64%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			5.64%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			8.58%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015			8.14%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			4.47%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 196,158	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 192,421	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.34%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 188,689	\$ 2,000,000
					Total	\$ 1,377,144	\$ 37,275,000

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

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

Customer Study Number  
TEA AG2-2011-018

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
TEA	75315358	SPA	AECI	25	3/1/2013	3/1/2018	6/1/2017	6/1/2022	\$ -	\$ 1,272,000	\$ 903,684	\$ 2,058,488
									\$ -	\$ 1,272,000	\$ 903,684	\$ 2,058,488

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75315358	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 2,897	\$ 150,000	\$ 7,318
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 44,176	\$ 2,287,500	\$ 95,623
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 56,546	\$ 2,928,000	\$ 122,399
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015			\$ 97,482	\$ 1,197,780	\$ 232,874
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018			\$ 300,684	\$ 101,220,000	\$ 684,868
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 401,899	\$ 119,355,000	\$ 915,406
						\$ 903,684	\$ 227,138,280	\$ 2,058,488

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
75315358	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		

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
75315358	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	Multi - Centerton - Osage Creek 345 kV	6/1/2013	6/1/2016		
	Multi - Flint Creek - Centerton 345 kV and Centerton - East Centerton 161 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
75315358	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
75315358	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

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
75315358	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		

**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
75315358	ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1		10/1/2012	10/1/2012		0.04%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1		10/1/2012	10/1/2012		0.57%	100.00%
	Arkansas Nuclear One 500/345 Transformer		6/1/2013	6/1/2018		\$ 40,407	\$ 12,000,000
	Brookline - Compton Ridge 345 KV		6/1/2013	6/1/2018		10.36%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1		6/1/2013	6/1/2015		\$ 227,051	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1		6/1/2013	6/1/2015		\$ 161,755	\$ 5,450,000
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES		6/1/2013	6/1/2013		9.37%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECI		6/1/2013	6/1/2013		9.78%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA		6/1/2013	6/1/2016		\$ 195,223	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1		10/1/2012	6/1/2014		\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2		10/1/2012	6/1/2016		\$ 172,644	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECI		6/1/2013	6/1/2014		\$ 2,796	\$ 180,000
	Compton Ridge - Cox Creek 345 KV		6/1/2013	6/1/2018		5.64%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1		6/1/2013	6/1/2018		5.64%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1		6/1/2013	6/1/2013		8.58%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES		6/1/2013	6/1/2015		8.14%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1		6/1/2014	6/1/2014		4.47%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1		6/1/2018	6/1/2018		\$ 196,158	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1		6/1/2018	6/1/2018		\$ 192,421	\$ 2,000,000
	VBI - Arkansas Nuclear One 345KV EES		6/1/2013	6/1/2018		0.34%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1		6/1/2018	6/1/2018		\$ 188,689	\$ 2,000,000
					Total	\$ 1,377,144	\$ 37,275,000

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

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

Customer Study Number  
UCU AG2-2011-010

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
UCU	75711368	MPS	MPS	2	12/1/2011	12/1/2016	6/1/2017	6/1/2022	\$ 360,000	\$ -	\$ 9,343,948	\$ 18,440,230
									\$ 360,000	\$ -	\$ 9,343,948	\$ 18,440,230

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75711368	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 507	\$ 150,000	\$ 1,281
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 7,730	\$ 2,287,500	\$ 16,732
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 9,895	\$ 2,928,000	\$ 21,419
	BLUE SPRINGS EAST - BLUE SPRINGS WEST 161KV CKT 1	6/1/2018	6/1/2018			\$ 150,000	\$ 150,000	\$ 221,842
	BLUE SPRINGS EAST - GRAIN VALLEY 161KV CKT 1	6/1/2018	6/1/2018			\$ 150,000	\$ 150,000	\$ 221,842
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 285,660	\$ 3,294,000	\$ 618,337
	ORRICK - RICHMOND 161KV CKT 1	6/1/2014	6/1/2016		No	\$ 5,756,012	\$ 14,000,000	\$ 11,416,393
	ORRICK - SIBLEYPL 161.00 161KV CKT 1	6/1/2014	6/1/2016		No	\$ 2,977,104	\$ 7,000,000	\$ 5,904,746
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 7,040	\$ 610,000	\$ 17,638
					Total	\$ 9,343,948	\$ 30,569,500	\$ 18,440,230

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
75711368	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75711368	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	LOMA VISTA EAST - WINCHESTER JUNCTION NORTH 161KV CKT 1	6/1/2012	6/1/2012		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #1	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
75711368	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		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
75711368	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75711368	SUB C - Sterling Rd Junction 69KV CKT 1	6/1/2018	6/1/2018			8.87%	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 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
WIND AG2-2011-020

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
WIND	75723845	WPEK	EES	100	12/1/2012	12/1/2032	6/1/2018	6/1/2038	\$ -	\$ 28,320,000	\$ 12,299,422	\$ 53,627,756
									\$ -	\$ 28,320,000	\$ 12,299,422	\$ 53,627,756

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75723845	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 64,526	\$ 1,575,000	\$ 274,392
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 292,570	\$ 7,141,250	\$ 1,204,334
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 63,992	\$ 1,575,000	\$ 272,121
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 192,099	\$ 4,728,000	\$ 790,755
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 125,832	\$ 3,300,000	\$ 475,158
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	6/1/2013	6/1/2018		No	\$ 4,189,300	\$ 101,220,000	\$ 18,255,920
	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2016		No	\$ 2,370,302	\$ 5,500,000	\$ 10,562,838
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018		No	\$ 5,000,801	\$ 119,355,000	\$ 21,792,238
Total						\$ 12,299,422	\$ 244,394,250	\$ 53,627,756

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
75723845	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		No
	Line - Comanche County - Medicine Lodge 345 kV dbl ckt	6/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kV dbl ckt OKGE	6/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kV dbl ckt SPS	6/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kV dbl ckt WERE	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt MKEC	6/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kV dbl Ckt OKGE	6/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kV	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kV	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kV dbl ckt MKEC	6/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kV dbl ckt SUNC	6/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kV	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	PRATT - ST JOHN 115KV CKT 1	10/1/2012	6/1/2013		No
	TUCCO - WOODWARD 345 kV CKT 1 OKGE	6/1/2012	6/1/2014		No
	TUCCO - WOODWARD 345 kV CKT 1 SPS	6/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kV	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kV	6/1/2012	1/1/2015		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
75723845	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015		No
	CLIFTON - GREENLEAF 115KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	10/1/2012	6/1/2013		No
	FLATRDG3 138.00 - HARPER 138KV CKT 1	6/1/2012	6/1/2013		No
	GRAY CO SUB 1-Judson LRG 115kv CKT 2	10/1/2012	6/1/2015		No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	10/1/2012	6/1/2013		No
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015		No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015		No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015		No
	MEDICINE LODGE - PRATT 115KV CKT 1	6/1/2012	6/1/2013		No
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2012	6/1/2013		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		No
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015		No
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		No
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2012	6/1/2015		No
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		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
75723845	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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 345 KV 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		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2015	6/1/2015		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75723845	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			3.41%	100.00%
	6AIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	10/1/2014	10/1/2014			28.51%	100.00%
	6CAJUN1 - ADDIS 230KV CKT 1 LAGN	10/1/2012	10/1/2012			28.33%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 253,715	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 602,582	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			3.28%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			3.89%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018		No	\$ 502,783	\$ 12,000,000
	BAILEY SES AECC - MCCRORY 161KV CKT 1	6/1/2014	6/1/2014			28.31%	100.00%
	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	10/1/2012	10/1/2012			28.27%	100.00%
	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	10/1/2013	10/1/2013			28.27%	100.00%
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			10.81%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 401,786	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 286,239	\$ 5,450,000
	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	6/1/2013	6/1/2013			29.37%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AEI	6/1/2013	6/1/2014		No	\$ 4,643	\$ 180,000
	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			29.52%	100.00%
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	10/1/2013			30.75%	100.00%
	HARTBURG - MOUNT OLIVE 500KV CKT 1	10/1/2013	10/1/2013			28.45%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2014	10/1/2014			30.75%	100.00%
	LEACH - TOLEDO BEND 138KV CKT 1	10/1/2012	10/1/2012			30.06%	100.00%
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	10/1/2014			30.75%	100.00%
	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	10/1/2013	10/1/2013			10.69%	100.00%
	NAVSOTA - SOTA 138KV CKT 1	10/1/2013	10/1/2013			30.73%	100.00%
	RAPIDES - RODEMACHER 230KV CKT 1	10/1/2012	10/1/2012			29.55%	100.00%
	SHEELDSHESE	10/1/2012	10/1/2012			14.47%	100.00%
	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	10/1/2013	10/1/2013			24.45%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	10/1/2013	10/1/2013			30.16%	100.00%
	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	10/1/2014	10/1/2014			30.16%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018		No	4.19%	100.00%
	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	10/1/2014	10/1/2014			28.73%	100.00%
	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			28.26%	100.00%
					Total	\$ 2,051,748	\$ 51,280,000

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



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

Customer Study Number  
WRGS AG2-2011-066

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	75710756	SECI	WR	135	1/1/2016	1/1/2021	6/1/2018	6/1/2023	\$ 12,421,633	\$ -	\$ 12,421,633	\$ 24,428,842
									\$ 12,421,633	\$ -	\$ 12,421,633	\$ 24,428,842

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
75710756	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2014	6/1/2016	6/1/2014	No	\$ 1,648,740	\$ -	\$ 1,648,740	\$ 3,152,000	\$ 3,134,457
	CENTENNIAL - WACO 138KV 138KV CKT 1	6/1/2014	6/1/2016	6/1/2014	No	\$ 4,946,220	\$ -	\$ 4,946,220	\$ 9,456,000	\$ 9,403,370
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016	6/1/2014	No	\$ 146,859	\$ -	\$ 146,859	\$ 1,575,000	\$ 365,729
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016	6/1/2014	No	\$ 665,878	\$ -	\$ 665,878	\$ 7,141,250	\$ 1,605,218
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	6/1/2014	6/1/2016	6/1/2014	No	\$ 823,847	\$ -	\$ 823,847	\$ 1,575,000	\$ 1,617,992
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	6/1/2014	6/1/2016	6/1/2014	No	\$ 3,555,096	\$ -	\$ 3,555,096	\$ 6,796,500	\$ 6,758,673
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016	6/1/2014	No	\$ 158,673	\$ -	\$ 158,673	\$ 1,575,000	\$ 395,150
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016	6/1/2014	No	\$ 476,320	\$ -	\$ 476,320	\$ 4,728,000	\$ 1,148,254
	<b>Total</b>					<b>\$ 12,421,633</b>	<b>\$ -</b>	<b>\$ 12,421,633</b>	<b>\$ 35,998,750</b>	<b>\$ 24,428,842</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
75710756	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015	6/1/2012	No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014	6/1/2012	No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014	6/1/2012	No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015	6/1/2012	No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015	6/1/2012	No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	6/1/2012	1/1/2015	6/1/2012	No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015	6/1/2012	No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015	6/1/2012	No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015	6/1/2012	No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014	6/1/2012	No
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014	6/1/2012	No
	XFR - Medicine Lodge 345/138 kv	6/1/2012	1/1/2015	6/1/2012	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
75710756	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 1	6/1/2017	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
75710756	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2018	10/1/2012	No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2012	6/1/2015	6/1/2012	No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2012	6/1/2015	6/1/2012	No
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017	10/1/2012	Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2012	6/1/2015	6/1/2012	No
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2012	6/1/2015	6/1/2012	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2012	6/1/2015	6/1/2012	No
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017	10/1/2012	No
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017	10/1/2012	No
	Judson Large - North Judson Large 115KV CKT 2	10/1/2012	6/1/2015	10/1/2012	No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018	10/1/2012	No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018	10/1/2012	No
	North Judson Large - Spearville 115KV CKT 2	10/1/2012	6/1/2015	10/1/2012	No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018	10/1/2012	No
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2012	6/1/2015	10/1/2012	No
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018	6/1/2012	No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015	10/1/2012	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
75710756	Circle - Reno 345kV Dbl CKT	6/1/2017	6/1/2018		
	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		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Customer Study Number  
WRGS AG2-2011-067

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	75701798	WR	AECI	8	12/1/2011	12/1/2016	6/1/2017	6/1/2022	\$ -	\$ 407,040	\$ 2,100,075	\$ 4,413,606
									\$ -	\$ 407,040	\$ 2,100,075	\$ 4,413,606

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75701798	SEX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 KACP	6/1/2014	6/1/2015		No	\$ 254,128	\$ 9,799,650	\$ 606,736
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 3,069	\$ 282,460	\$ 7,332
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2013	6/1/2014			\$ 990	\$ 150,000	\$ 2,501
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 15,094	\$ 2,287,500	\$ 32,672
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2013	6/1/2016			\$ 19,320	\$ 2,928,000	\$ 41,820
	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 71,061	\$ 3,152,000	\$ 135,096
	CENTENNIAL - WACO 138KV 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 213,184	\$ 9,456,000	\$ 405,289
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 16,081	\$ 1,575,000	\$ 40,047
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 72,914	\$ 7,141,250	\$ 175,772
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 35,508	\$ 1,575,000	\$ 69,736
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 153,226	\$ 6,796,500	\$ 291,301
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 11,057	\$ 1,197,780	\$ 26,414
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 15,948	\$ 1,575,000	\$ 39,716
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 47,875	\$ 4,728,000	\$ 115,411
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 13,219	\$ 3,300,000	\$ 24,328
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 161,885	\$ 101,220,000	\$ 368,726
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016		No	\$ 625,780	\$ 30,810,000	\$ 1,185,030
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016		No	\$ 65,787	\$ 3,239,000	\$ 125,069
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 15,900	\$ 610,000	\$ 39,837
	VAUGHN 115KV Capacitor	10/1/2012	6/1/2015		No	\$ 103,520	\$ 2,130,000	\$ 260,471
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 184,529	\$ 119,355,000	\$ 420,302
					Total	\$ 2,100,075	\$ 313,308,140	\$ 4,413,606

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
75701798	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75701798	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2013	6/1/2014		
	Device - Northwest Manhattan Cap 115 kv	10/1/2012	6/1/2014		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
75701798	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2013	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		No
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		No
	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2018		
	Device - Timber Jct 138 kv Capacitor #2	6/1/2018	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	latan - Jeffrey Energy Center 345 kv KACP	10/1/2012	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75701798	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 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Circle 345kv Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kv Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kv Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75701798	SELDON - BARNETT 161KV CKT 1 AECl #1	10/1/2012	6/1/2014			\$ 1,423	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECl #2	10/1/2012	10/1/2012			1.42%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			1.42%	100.00%
	5EX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AECl	6/1/2014	6/1/2014			2.59%	100.00%
	5EX SPRNG 161.00 - MISSOURI CITY 161KV CKT 1 AMRN	6/1/2014	6/1/2014			2.59%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			0.32%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			4.57%	100.00%
	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AMRN	6/1/2013	6/1/2013			4.57%	100.00%
	5PERCHE 161.00 - HUNTSDALE 161KV CKT 1 AECl	6/1/2013	6/1/2013			4.57%	100.00%
	5PERCHE 161.00 - HUNTSDALE 161KV CKT 1 CWLD	6/1/2013	6/1/2013			4.57%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 28,929	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 62,902	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			0.42%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			0.21%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 18,553	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 44,870	\$ 4,130,000
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018			0.75%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 43,715	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 31,143	\$ 5,450,000
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			1.84%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECl	6/1/2013	6/1/2013			0.80%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		No	\$ 15,808	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 40,384	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2013	6/1/2014		No	\$ 1,537	\$ 180,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018			1.00%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018			1.00%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018			0.94%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018			1.64%	100.00%
	ECKLES - SIBLEYPL 161.00 161KV CKT 1	6/1/2013	6/1/2013			1.94%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015		No	0.92%	100.00%
	FAIRPORT - HICKORY CREEK 161KV CKT 1	6/1/2014	6/1/2014			2.19%	100.00%
	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 61,617	\$ 2,000,000
	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 62,297	\$ 2,000,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014		No	\$ 1,018	\$ 70,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.15%	100.00%
	WEST PLAINS 161/69KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 62,321	\$ 2,000,000
					Total	\$ 476,517	\$ 67,575,000

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

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

Customer Study Number  
WRGS AG2-2011-068

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	75701826	WR	SPA	25	12/1/2011	12/1/2016	6/1/2018	6/1/2023	\$ -	\$ 1,770,000	\$ 7,391,440	\$ 16,672,304
									\$ -	\$ 1,770,000	\$ 7,391,440	\$ 16,672,304

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75701826	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 12,450	\$ 282,460	\$ 32,294
	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 237,489	\$ 3,152,000	\$ 485,509
	CENTENNIAL - WACO 138KV 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 712,466	\$ 9,456,000	\$ 1,456,525
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 51,294	\$ 1,575,000	\$ 137,363
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 232,573	\$ 7,141,250	\$ 602,896
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 118,669	\$ 1,575,000	\$ 250,617
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 512,085	\$ 6,796,500	\$ 1,046,877
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 57,435	\$ 1,197,780	\$ 148,980
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 50,870	\$ 1,575,000	\$ 136,227
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 152,705	\$ 4,728,000	\$ 395,855
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 47,287	\$ 3,300,000	\$ 96,387
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 984,308	\$ 101,220,000	\$ 2,451,593
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016		No	\$ 2,459,126	\$ 30,810,000	\$ 5,079,497
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016		No	\$ 258,524	\$ 3,239,000	\$ 528,512
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 28,587	\$ 610,000	\$ 78,098
	VAUGHN 115KV Capacitor	10/1/2012	6/1/2015		No	\$ 325,478	\$ 2,130,000	\$ 880,563
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 1,150,094	\$ 119,355,000	\$ 2,864,512
					Total	\$ 7,391,440	\$ 298,142,990	\$ 16,672,304

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
75701826	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75701826	Device - Northwest Manhattan Cap 115 kv	10/1/2012	6/1/2014		No
	Multi - Centerton - Osage Creek 345 kv	6/1/2013	6/1/2016		No
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2013	6/1/2014		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
75701826	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	Device - Timber Jct 138 kV Capacitor #2	6/1/2018	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75701826	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 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75701826	SELDON - BARNETT 161KV CKT 1 AECI #1	10/1/2012	6/1/2014		No	\$ 4,755	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECI #2	10/1/2012	10/1/2012			4.75%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			4.75%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			1.17%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 92,655	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 213,377	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.19%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.02%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 115,631	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 182,041	\$ 4,130,000
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018		No	4.40%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 218,073	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 155,359	\$ 5,450,000
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			8.54%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECI	6/1/2013	6/1/2013			2.43%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		No	\$ 48,277	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	-	-
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 115,587	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 1,715	\$ 180,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018		No	2.96%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018		No	2.54%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018		No	6.07%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018		No	7.70%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015		No	4.80%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014		No	\$ 4,874	\$ 70,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.96%	100.00%
				Total		\$ 1,152,344	\$ 61,575,000

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



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

Customer Study Number  
WRGS AG2-2011-069

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	75701816	WR	SPA	25	12/1/2011	12/1/2016	6/1/2018	6/1/2023	\$ -	\$ 1,770,000	\$ 7,391,440	\$ 16,672,304
									\$ -	\$ 1,770,000	\$ 7,391,440	\$ 16,672,304

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
75701816	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 12,450	\$ 282,460	\$ 32,294
	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 237,489	\$ 3,152,000	\$ 485,509
	CENTENNIAL - WACO 138KV 138KV CKT 1	6/1/2014	6/1/2016		No	\$ 712,466	\$ 9,456,000	\$ 1,456,525
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 51,294	\$ 1,575,000	\$ 137,363
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 232,573	\$ 7,141,250	\$ 602,896
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 118,669	\$ 1,575,000	\$ 250,617
	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 512,085	\$ 6,796,500	\$ 1,046,877
	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	6/1/2013	6/1/2015		No	\$ 57,435	\$ 1,197,780	\$ 148,980
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2014	6/1/2016		No	\$ 50,870	\$ 1,575,000	\$ 136,227
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2014	6/1/2016		No	\$ 152,705	\$ 4,728,000	\$ 395,855
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	6/1/2018	6/1/2018			\$ 47,287	\$ 3,300,000	\$ 96,387
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	6/1/2013	6/1/2018			\$ 984,308	\$ 101,220,000	\$ 2,451,593
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	6/1/2013	6/1/2016		No	\$ 2,459,126	\$ 30,810,000	\$ 5,079,497
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	6/1/2013	6/1/2016		No	\$ 258,524	\$ 3,239,000	\$ 528,512
	SOUTH HARPER - STILWELL 161KV CKT 1	10/1/2012	6/1/2014		No	\$ 28,587	\$ 610,000	\$ 78,098
	VAUGHN 115KV Capacitor	10/1/2012	6/1/2015		No	\$ 325,478	\$ 2,130,000	\$ 880,563
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2013	6/1/2018			\$ 1,150,094	\$ 119,355,000	\$ 2,864,512
Total						\$ 7,391,440	\$ 298,142,990	\$ 16,672,304

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
75701816	IATAN - NASHUA 345KV CKT 1	10/1/2012	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	6/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	6/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	6/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	6/1/2012	1/1/2015		
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	6/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	6/1/2012	1/1/2015		
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCCO - WOODWARD 345 KV CKT 1 OKGE	6/1/2012	6/1/2014		
	TUCCO - WOODWARD 345 KV CKT 1 SPS	6/1/2012	6/1/2014		
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	6/1/2012	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
75701816	Device - Northwest Manhattan Cap 115 kv	10/1/2012	6/1/2014		No
	Multi - Centerton - Osage Creek 345 kv	6/1/2013	6/1/2016		No
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2013	6/1/2014		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
75701816	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2018		
	Device - Timber Jct 138 kV Capacitor #2	6/1/2018	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	10/1/2012	6/1/2017		
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2012	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2012	6/1/2017		No
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2018		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	10/1/2012	6/1/2015		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
75701816	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 345 KV WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Circle 345kV Dbl CKT MKEC	6/1/2017	6/1/2018		
	Mullergren - Circle 345kV Dbl CKT WERE	6/1/2017	6/1/2018		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kV Dbl CKT	6/1/2017	6/1/2018		
	Tatonga - Mathewson - Cimmaron 345kV Ckt 2	6/1/2012	6/1/2018		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
75701816	SELDON - BARNETT 161KV CKT 1 AECI #1	10/1/2012	6/1/2014		No	\$ 4,755	\$ 100,000
	SELDON - BARNETT 161KV CKT 1 AECI #2	10/1/2012	10/1/2012			4.75%	100.00%
	SELDON - BARNETT 161KV CKT 1 AMRN	10/1/2012	10/1/2012			4.75%	100.00%
	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	6/1/2014	6/1/2014			1.17%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 92,655	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 213,377	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	10/1/2012			1.19%	100.00%
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2012	10/1/2012			1.02%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2013	6/1/2018			\$ 115,631	\$ 12,000,000
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2015		No	\$ 182,041	\$ 4,130,000
	Brookline - Compton Ridge 345 kv	6/1/2013	6/1/2018		No	4.40%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 218,073	\$ 7,650,000
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2013	6/1/2015		No	\$ 155,359	\$ 5,450,000
	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	6/1/2013	6/1/2013			8.54%	100.00%
	CLAY - LOGAN 161KV CKT 1 AECI	6/1/2013	6/1/2013			2.43%	100.00%
	CLAY - LOGAN 161KV CKT 1 SWPA	6/1/2013	6/1/2016		No	\$ 48,277	\$ 1,995,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	10/1/2012	6/1/2014		No	-	-
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2012	6/1/2016		No	\$ 115,587	\$ 4,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2013	6/1/2014		No	\$ 1,715	\$ 180,000
	Compton Ridge - Cox Creek 345 kv	6/1/2013	6/1/2018		No	2.96%	100.00%
	Compton Ridge - Osage Creek 345 kv	6/1/2013	6/1/2018		No	2.54%	100.00%
	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	6/1/2013	6/1/2018		No	6.07%	100.00%
	Compton Ridge 345/161 kv Transformer	6/1/2013	6/1/2018		No	7.70%	100.00%
	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	6/1/2013	6/1/2015		No	4.80%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2013	6/1/2014		No	\$ 4,874	\$ 70,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2013	6/1/2018			0.96%	100.00%
				Total		\$ 1,152,344	\$ 61,575,000

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Accelerate	Rebuild 1.25 miles of 795 ACSR with 1590 ACSR. Replace wavetraps & jumpers @ Eureka Springs	6/1/2013	6/1/2015	\$ 282,460
AEPW	CLINTON JUNCTION - ELK CITY 138KV CKT 1 #1	Reset CTs @ Elk City	12/1/2012	6/1/2014	\$ 15,000
AEPW	EUREKA SPRINGS - OSAGE 161KV CKT 1 AEPW Accelerate	Rebuild 5.34 miles of 6.55 mile line from 666 ACSR with 1590 ACSR.	6/1/2013	6/1/2015	\$ 1,197,780
EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	Rebuild 91.4% ownership of 28.41 miles	6/1/2013	6/1/2016	\$ 30,810,000
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1	Replace Terminal Equipment	6/1/2018	6/1/2018	\$ 3,300,000
KACP	5EX SPRING 161.00 - MISSOURI CITY 161KV CKT 1 KACP	Rebuild 10.71 miles	6/1/2014	6/1/2015	\$ 9,799,650
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	Replace 800 amp wavetraps with 1200 amp unit	6/1/2013	6/1/2014	\$ 150,000
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	Rebuild 2.5 miles	6/1/2013	6/1/2016	\$ 2,287,500
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	Rebuild 3.2 miles	6/1/2013	6/1/2016	\$ 2,928,000
MIPU	BLUE SPRINGS EAST - BLUE SPRINGS WEST 161KV CKT 1	Replace Prairie Lee 800 amp wavetraps with 1200 amp unit	6/1/2018	6/1/2018	\$ 150,000
MIPU	BLUE SPRINGS EAST - GRAIN VALLEY 161KV CKT 1	Replace Grain Valley 800 amp wavetraps with 1200 amp unit	6/1/2018	6/1/2018	\$ 150,000
MIPU	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2	Rebuild 3.6 miles	6/1/2013	6/1/2016	\$ 3,294,000
MIPU	ORRICK - RICHMOND 161KV CKT 1	Reconductor 14 miles of 477 to 795 ACSR + sub upgrades	6/1/2014	6/1/2016	\$ 14,000,000
MIPU	ORRICK - SIBLEY 161.00 161KV CKT 1	Reconductor 5 miles of 477 to 795 ACSR + sub upgrades	6/1/2014	6/1/2016	\$ 7,000,000
MIPU	SOUTH HARPER - STILLWELL 161KV CKT 1	Replace Terminal Equipment	10/1/2012	6/1/2014	\$ 610,000
MKEC	SPEARVILLE (SPEARVL) 345/230/13.8KV TRANSFORMER CKT 1	Replace Transformer	6/1/2013	6/1/2016	\$ 5,500,000
NPPD	AINSWORTH - AINSWORTH 115KV CKT 1	Terminal upgrades at the Ainsworth 115 kV substation	10/1/2012	6/1/2015	\$ 1,500,000
NPPD	BROKEN BOW - LOUP CITY 115KV CKT 1	Terminal upgrades at both ends and a rebuild of the 266 ACSR segment (11 miles of 39 mile line)	10/1/2012	6/1/2016	\$ 7,000,000
NPPD	CANADAY - ELM CREEK - KEARNEY 115KV CKT 1	Terminal upgrades at all substations and increasing conductor clearances to effect a 100 Deg C conductor rating of the 336 ACSR conductor.	10/1/2012	6/1/2015	\$ 5,000,000
OKGE	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	Build 70.95 mile 345 kv line plus new 345/161 kv bus tie at VBI sub	6/1/2013	6/1/2018	\$ 101,220,000
OKGE	VBI - Arkansas Nuclear One 345KV OKGE	Build 73 miles of 345kv line	6/1/2013	6/1/2018	\$ 119,355,000
SPS	Line - Osage Station and Line Re-termination Accelerate	Construct approximately 2 miles of new 115 kv line from Randall Co. with 795 ACSR. Tie new line into V70 around (not to) Osage Substation. Add new 115 kv terminal at Randall Co. Interchange. (Re-build Randall 115 kv bus to breaker and one-half design.)	6/1/2013	6/1/2014	\$ 213,700
WERE	BUTLER - MIDIAN 138KV CKT 1	Rebuild 3 miles	6/1/2018	6/1/2018	\$ 2,955,000
WERE	CENTENNIAL - COWSKIN 138KV CKT 1	Rebuild 3.2 miles	6/1/2014	6/1/2016	\$ 3,152,000
WERE	CENTENNIAL - WACO 138KV 138KV CKT 1	Rebuild 9.6 miles	6/1/2014	6/1/2016	\$ 9,456,000
WERE	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetraps, breaker, jumpers	6/1/2014	6/1/2016	\$ 1,575,000
WERE	CHISHOLM - MAIZE 138KV CKT 1 #2	Rebuild 7.25 miles	6/1/2014	6/1/2016	\$ 7,141,250
WERE	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #1	Upgrade disconnect switches, wavetraps, breaker, jumpers	6/1/2014	6/1/2016	\$ 1,575,000
WERE	COWSKIN - EVANS ENERGY CENTER SOUTH 138KV CKT 1 #2	Rebuild 6.9 miles	6/1/2014	6/1/2016	\$ 6,796,500
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetraps, breaker, jumpers	6/1/2014	6/1/2016	\$ 1,575,000
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	Rebuild 4.8 miles	6/1/2014	6/1/2016	\$ 4,728,000
WERE	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	Install New (2nd) 138/115 kv XFR at Midian	6/1/2018	6/1/2018	\$ 4,400,000
WERE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	Tear down and rebuild Neosho-Columbus SE 161 kv line (WERE = 2.4 miles) and replace WERE wave trap.	6/1/2013	6/1/2016	\$ 3,239,000
WERE	VAUGHN 115KV Capacitor	Install 30 Mvar capacitor bank at Vaughn 115 kv bus.	10/1/2012	6/1/2015	\$ 2,130,000
WFEC	CANTON - OKEENE 69KV CKT 1 #1	Reset CT	6/1/2013	6/1/2014	\$ 225,000
WFEC	LAKE CREEK - LONEWOLF 69KV CKT 1	Reset CT.	6/1/2013	6/1/2013	\$ 197,972

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
KACP	BIRMINGHAM - HAWTHORN 161KV CKT 1	Reconductor line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2013	6/1/2015
KACP	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	Reconductor 3.41 miles of 4.03 mile line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2014	6/1/2015
KACP	Iatan - Jeffrey Energy Center 345 kv KACP	Build 14.2 miles of new 345 kv	10/1/2012	6/1/2017
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	Rebuild 3.25 miles	6/1/2012	6/1/2015
MIPU	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	Reconductor 0.62 miles of 4.03 mile line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2014	6/1/2015
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	Rebuild MKEC portion of the Clearwater-Milan tap 115 kv	6/1/2012	6/1/2015
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	10/1/2012	6/1/2013
MKEC	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	Rebuild 8.05 mile line	10/1/2012	6/1/2013
MKEC	FLATRDG3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	6/1/2012	6/1/2013
MKEC	GRAY CO SUB 1-Judson LRG 115kv CKT 2	Construct approximately 16 miles of new 115kv for 2nd circuit	10/1/2012	6/1/2015
MKEC	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	Rebuild 43.5% Ownership of 20.9 miles	10/1/2012	6/1/2013
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1	Replace wave trap at Harper substation.	6/1/2012	6/1/2015
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2	Rebuild 22.1 miles	6/1/2012	6/1/2015
MKEC	Judson Large - North Judson Large 115KV CKT 2	Construct approximately 1 mile of new 115kv for 2nd circuit	10/1/2012	6/1/2015
MKEC	MEDICINE LODGE - PRATT 115KV CKT 1	Rebuild 26 mile line	6/1/2012	6/1/2013
MKEC	MEDICINE LODGE (MED-LDGA) 138/115/2.72KV TRANSFORMER CKT 1	Upgrade transformer	10/1/2012	6/1/2013
MKEC	Mullergren - Circle 345KV Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018
MKEC	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kv for 2nd circuit	10/1/2012	6/1/2015
MKEC	Spearville - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345kv Spearville - Mullergren	10/1/2012	6/1/2018
MKEC	Spearville 345/115/13.8KV Transformer CKT 3	Install 345/115/13.8KV Transformer CKT 3 at Spearville	10/1/2012	6/1/2015
NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit	10/1/2012	6/1/2017
NPPD	KELLY - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	10/1/2013	11/1/2014
NPPD	VICTORY HILL (VICTORYHL T1) 230/115/13.8KV TRANSFORMER CKT 1	Replace 187MVA Victory Hill transformer with 336MVA Victory Hill transformer	6/1/2012	6/1/2015
OKGE	NORTHWEST 345/138/13.8KV TRANSFORMER CKT 3 Accelerated	Install third 345/138 kv Bus Tie in Northwest Sub	12/1/2012	6/1/2015
OKGE	Tatonga - Mathewson - Cimmaron 345KV Ckt 2	Build approximately 77 miles of 345 kv	6/1/2012	6/1/2018
SPS	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	Upgrade Line trap at both Jones Bus # 2and Lubbock South Interchange	6/1/2018	6/1/2018
WERE	Circle - Beno 345KV Dbl CKT	Build approximately 6 miles of double 345kv Circle - Reno	10/1/2012	6/1/2018
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	Rebuild WERE portion of the Clearwater-Milan tap 115 kv	6/1/2012	6/1/2015
WERE	Device - Timber Jct 138 kv Capacitor #2	Add 138 kv 14.4 Mvar Cap bank at Timber Jct 138kv	6/1/2018	6/1/2018
WERE	EL PASO - FARBER 138KV CKT 1	Tear down / Rebuild 3.1 miles with dual 477 ACSR	6/1/2014	6/1/2015
WERE	Iatan - Jeffrey Energy Center 345 kv WERE	Build 56.8 miles of new 345 kv	10/1/2012	6/1/2017
WERE	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018
WERE	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1 Accelerate	Build 24 mile 115 kv line	10/1/2012	6/1/2015
WFEC	CANTON - TALOGA 69KV CKT 1	UPGRADE CANTON TO TALOGA TO 336.4	12/1/2012	6/1/2013
WFEC	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	Auto XFMR 56 to 112MVA	12/1/2012	6/1/2013

**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.	10/1/2012	10/1/2014
ITCGP	Line - Post Rock - Axtell 345 kv	Build new 345 kv line from Wolf to interception point of Axtell to Wolf line (Kansas Border). Includes line reactor.	10/1/2012	6/1/2013
ITCGP	Line - Spearville - Post Rock 345 kv	Build new 345 kv line from Knoll to interception point of Spearville to Knoll line. Updated for approved route mileage; reflect addition of reactor at Post Rock (40Mvar)	10/1/2012	10/1/2012
ITCGP	XFR - Post Rock 345/230 kv	Build Post Rock substation to include a 600 MVA 345/230 kv auto transformer with 345 kv ring bus configuration	10/1/2012	10/1/2012
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	10/1/2012	6/1/2015
MKEC	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	Build a new 55 mile double circuit 345 kv line	6/1/2012	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.	6/1/2012	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.	6/1/2012	1/1/2015
MKEC	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	Build a new 27.5 mile double circuit 345 kv line	6/1/2012	1/1/2015
MKEC	PRATT - ST JOHN 115KV CKT 1	Rebuild 21.9 mile St. John - Pratt 115 kv line with 795 ACSR conductor.	10/1/2012	6/1/2013
MKEC	XFR - Medicine Lodge 345/138 kv	Install a 400 MVA 345/138 kv transformer at the new 345 kv Medicine Lodge substation.	6/1/2012	1/1/2015
NPPD	CANADAY - LEXINGTON 115KV CKT 1	Increase clearances to 100 Deg C and upgrade terminal equipment (PCB, DISC, WVTFR, CT, BUS) to effect higher rating.	10/1/2012	6/1/2013
NPPD	Line - NPPD - Axtell - Kansas Border 345 kv	Build new 345 kv line from Axtell to interception point of Axtell to Wolf line (Kansas Border). Includes substation expansion at Axtell and line reactor.	10/1/2012	6/1/2013
OKGE	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	Build a new 60.5 mile double circuit 345 kv line	6/1/2012	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.	6/1/2012	1/1/2015
SPS	Line - Hitchland - Woodward 345 kv dbl ckt SPS	Build a new 60.5 mile double circuit 345 kv line	6/1/2012	7/1/2014
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 OKGE	Build new 345 kv line from Woodward EHV to Tuco	6/1/2012	6/1/2014
SPS	TUCO - WOODWARD 345 kv CKT 1 SPS	Build new 345 kv line from Woodward EHV to Tuco	6/1/2012	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.	6/1/2012	1/1/2015
WERE	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	Build a new 35 mile double circuit 345 kv line	6/1/2012	1/1/2015

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	Multi - Centerton - Osage Creek 345 kv	Install 9 miles of 345 kv line from Shipe Road to East Rogers, install 32 miles of 345 kv line from East Rogers to Osage Creek, and install new 345/161 kv transformer at Osage Creek	6/1/2013	6/1/2016
AEPW	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	Install 22 miles of new 345 kv, 2-954 ACSR line. And install 345/161 kv transformer at Centerton	6/1/2013	6/1/2014
KCPL	LOMA VISTA EAST - WINCHESTER JUNCTION NORTH 161KV CKT 1	Loma Vista East limit is 600/5 CT ratio; reset to 1200/5	6/1/2012	6/1/2012
LES	SHELDON - SW7TH & PLEASANT HILL 115KV CKT 2 LES	Rebuild 15 miles	6/1/2012	6/1/2014
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	Replace Prairie Lee 800 amp wavetrap with 1200 amp unit	6/1/2013	6/1/2014
MIPU	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #1	Replace 800 amp wavetrap with 1200 amp unit	6/1/2013	6/1/2014
OPPD	SUB 906 NORTH - SUB 928 69KV CKT 1	Rebuild 2.00 miles of line, change CT tap settings, and replace line jumpers. Rating after rebuild and other modifications will be 110 MVA.	6/1/2018	6/1/2018
OPPD	SUB 921 - SUB 942 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating and change CT tap settings.	6/1/2018	6/1/2018
SPS	CARLSLE INTERCHANGE (WH XHS70711) 230/115/13.2KV TRANSFORMER CKT 1	Upgrade the Carlisle 230/115/13.2 transformer - 250 MVA	6/1/2018	6/1/2018
SPS	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	Reconductor 7.78 miles of Chaves - Sampson 115 kv	6/1/2018	6/1/2018
SPS	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	Reconductor 3.70 miles of Chaves - Urton 115 kv	6/1/2018	6/1/2018
SPS	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Replace existing 149/171 MVA Chaves 230/115 kv transformer with 250 MVA transformer.	6/1/2018	6/1/2018
SPS	EDDY COUNTY INTERCHANGE () 230/115/13.2KV TRANSFORMER CKT 2	Add 2nd transformer Eddy Co 230-115 kv CKT 2	10/1/2013	6/1/2015
SPS	HITCHLAND INTERCHANGE () 230/115/13.2KV TRANSFORMER CKT 2	Add 2nd transformer	6/1/2021	6/1/2021
SPS	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 2	Add Second Transformer	6/1/2018	6/1/2018
SPS	Line - Randall - South Georgia 115kv reconductor	Reconductor 4.1 miles of 6.1 miles from Randal County to South Gerorian 115 kv	6/1/2013	6/1/2014
SPS	PLANT X STATION (WH ALM20171) 230/115/13.2KV TRANSFORMER CKT 1	Replace Terminal Equipment	6/1/2014	6/1/2015
WERE	AUBURN ROAD (AUBRN7X) 230/115/13.8KV TRANSFORMER CKT 1	Replace 308MVA transformer with 400MVA transformer	6/1/2017	6/1/2017
WERE	Device - Northwest Manhattan Cap 115 kv	Install 1 stage of 14.4 MVAR	10/1/2012	6/1/2014
WERE	FORT JUNCTION SWITCHING STATION - WEST JUNCTION CITY JUNCTION (EAST) 115KV CKT 1	Rebuild 1.7 mile Fort Junction - West Junction City 115 kv line with 1192.5 ACSR. Remove old double circuit and West Junction City Junction (East) - West Junction City 115 kv line.	6/1/2012	6/1/2014

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	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	
EMDE	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011	
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006	
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	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 11.4 miles	6/1/2011	6/1/2013	
MKEC	FLATROD3 138.00 - MEDICINE LODGE 138KV CKT 1	Rebuild 8.05 mile line	12/1/2009	6/1/2013	
MKEC	FLATROD3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	12/1/2009	6/1/2013	
MKEC	GRAY CO SUB 1-Judson LRG 115kv CKT 2	Construct approximately 16 miles of new 115kv for 2nd circuit	6/1/2015	6/1/2015	
MKEC	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	Rebuild 43.5% Ownership of 20.9 miles	6/1/2013	6/1/2013	
MKEC	Judson Large - North Judson Large 115KV CKT 2	Construct approximately 1 mile of new 115kv for 2nd circuit	6/1/2015	6/1/2015	
MKEC	MEDICINE LODGE - SAWYER 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013	
MKEC	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	Upgrade transformer	12/1/2009	6/1/2013	
MKEC	Mullergren - Circle 345KV Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018	
MKEC	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018	
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kv for 2nd circuit	6/1/2015	6/1/2015	
MKEC	Spearville - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345kv Spearville - Mullergren	10/1/2012	6/1/2018	
MKEC	Spearville 345/115/13.8KV Transformer CKT 3	Install 345/115/13.8KV Transformer CKT 3 at Spearville	6/1/2015	6/1/2015	
NPPD	ALBION - PETERSBURG 115KV CKT 1	Replace Breaker Switch 1106-D and jumpers at Albion. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kv lineto facilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013	
NPPD	FT RANDAL - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	11/1/2014	11/1/2014	
NPPD	KELLY - MADISONCO 230.00 230KV CKT 1	Raise structures and line clearances as necessary to re-rate the transmission line to 320MVA	11/1/2014	11/1/2014	
NPPD	NELIGH - PETERSBURG 115KV CKT 1	Replace Breaker 1106, jumpers, and 115 kv Switch 1106-D2 at Neligh. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kv lineto facilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013	
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 - Mathewson - Cimmaron 345KV Ckt 2	Build approximately 77 miles of 345 kv	6/1/2012	6/1/2018	
OKGE	TATONGA - WOODWARD 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010	
OKGE	WOODWARD - IODINE 138KV CKT 1	Tap iodine to Woodward 138 kv line	1/1/2010	1/1/2010	
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 1	Build 5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010	
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 2	Build 5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010	
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kv XF	1/1/2010	1/1/2010	
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap at Harrington East	6/1/2015	6/1/2015	
WERE	Circle - Reno 345KV Dbl CKT	Build approximately 6 miles of double 345kv Circle - Reno	10/1/2012	6/1/2018	
WERE	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2018	
WFEC	ALTUS SW - NAVAJO 69KV CKT 1	Upgrade Terminal Equipment at Altus SW, 300-600A, new rating conductor 53/65MVA	6/1/2013	6/1/2013	
WFEC	CANTON - TALOGA 69KV CKT 1	UPGRADE CANTON TO TALOGA TO 336.4	6/1/2011	6/1/2013	
WFEC	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	Build approximately 6 miles of 138kv.	1/1/2012	1/1/2012	
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 19 miles 345 KV	7/1/2012	7/1/2012	
WFEC	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	Auto XFMR 56 to 112MVA	10/1/2010	6/1/2013	

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	SELDON - BARNETT 161KV CKT 1 AECI #1	Replace 600A Switches at Barnett - Limiting Element in Line. Line Ampacity is 731.5 A.	10/1/2012	6/1/2014	\$ 100,000
AECI	SELDON - BARNETT 161KV CKT 1 AECI #2	Indeterminate	10/1/2012	10/1/2012	Indeterminate
AECI	SEX SPRING 161.00 - MISSOURI CITY 161KV CKT 1 AECI	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AECI	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AECI	Indeterminate	6/1/2013	6/1/2013	Indeterminate
AECI	SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 AECI	Indeterminate	6/1/2013	6/1/2013	Indeterminate
AECI	7IASPER 345.00 - BLACKBERRY 345KV CKT 1	Reconductor with 1192.5 54/19 ACSR, 100C. 16 Miles.	6/1/2013	6/1/2016	\$ 8,000,000
AECI	7IASPER 345.00 - MORGAN 345KV CKT 1	Reconductor with 1192.5 54/19 ACSR, 100C. 36 Miles.	6/1/2014	6/1/2016	\$ 18,000,000
AECI	CLAY - LOGAN 161KV CKT 1 AECI	Indeterminate	6/1/2013	6/1/2013	Indeterminate
AECI	CLINTON - MONTRROSE 161KV CKT 1 AECI	Upgrade limiting terminal equipment at Clinton	6/1/2013	6/1/2014	\$ 180,000
AECI	COMPTON RIDGE - SUB 412 - BRANSON NORTHWEST 161KV CKT 1	Indeterminate	6/1/2013	6/1/2018	Indeterminate
AECI	FAIRPORT - HICKORY CREEK 161KV CKT 1	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AECI	HICKORY CREEK 161/69KV TRANSFORMER CKT 1	Replace with 84 MVA unit	6/1/2018	6/1/2018	\$ 2,000,000
AECI	LAMAR 161/69KV TRANSFORMER CKT 1	Replace with 84 MVA unit	6/1/2012	6/1/2014	\$ 2,000,000
AECI	LOCUST CREEK 161/69KV TRANSFORMER CKT 1	Replace with 84 MVA unit	6/1/2018	6/1/2018	\$ 2,000,000
AECI	PLATTE CITY 161/69KV TRANSFORMER CKT 1	Replace with 84 MVA unit	6/1/2013	6/1/2015	\$ 2,000,000
AECI	WEST PLAINS 161/69KV TRANSFORMER CKT 1	Replace with 84 MVA unit	6/1/2018	6/1/2018	\$ 2,000,000
AMRN	SELDON - BARNETT 161KV CKT 1 AMRN	Indeterminate	10/1/2012	10/1/2012	Indeterminate
AMRN	SEX SPRING 161.00 - MISSOURI CITY 161KV CKT 1 AMRN	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AMRN	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AMRN	SOVERTON 161.00 - HUNTSDALE 161KV CKT 1 AMRN	Indeterminate	6/1/2013	6/1/2013	Indeterminate
AMRN	7OVERTON 345.00 (J) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	10/1/2012	10/1/2012	Indeterminate
CELE	BARKERS 6 230.00 - BOGALUSA 230KV CKT 1 CELE	Indeterminate	10/1/2012	10/1/2012	Indeterminate
CELE	BARKERS 6 230.00 - RAMSAY 230KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
CELE	CHAMPAGNE - PLAISANCE 138KV CKT 1 CELE	Indeterminate	6/1/2013	6/1/2013	Indeterminate
CELE	COCODRIE 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
CELE	RAPIDES - RODEMACHE 230KV CKT 1	Indeterminate	10/1/2012	10/1/2012	Indeterminate
CELE	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 CELE	Indeterminate	10/1/2013	10/1/2013	Indeterminate
CWLD	SPERCHE 161.00 - HUNTSDALE 161KV CKT 1 CWLD	Indeterminate	6/1/2013	6/1/2013	Indeterminate
EES	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	Indeterminate	10/1/2012	10/1/2012	Indeterminate
EES	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kv Transformer at ANO	6/1/2013	6/1/2018	\$ 12,000,000
EES	BAILEY SES AECC - MCCRORY 161KV CKT 1	Indeterminate	6/1/2014	6/1/2014	Indeterminate
EES	BOGALUSA - FRANKLIN 500KV CKT 1	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	BULL SHOALS - MIDWAY (VYFPA) 161KV CKT 1 EES	Indeterminate	6/1/2013	6/1/2013	Indeterminate
EES	EUREKA SPRINGS - OSAGE 161KV CKT 1 EES	Indeterminate	6/1/2013	6/1/2015	Indeterminate
EES	GRIMES - MT. ZION 138KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	HARTBURG - MOUNT OLIVE 500KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	LEACH - TOLEDO BEND 138KV CKT 1	Indeterminate	10/1/2012	10/1/2012	Indeterminate
EES	LINE 558 TAP - MT. ZION 138KV CKT 1	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	MABELVALE 500 - SHERIDAN EHV 500KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	MICADAMS 500/230KV TRANSFORMER CKT 1	Indeterminate	6/1/2012	6/1/2012	Indeterminate
EES	NAVSOTA - SOTA 138KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	SHEELDSHEISE	Indeterminate	10/1/2012	10/1/2012	Indeterminate
EES	SHERIDAN EHV - WHITE BLUFF 500KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	TOLEDO BEND - VAN PLY TAP 138KV CKT 1 EES	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	VBI - Arkansas Nuclear One 345KV EES	Indeterminate	6/1/2013	6/1/2018	Indeterminate
EES	WILLOW GLEN 500/138KV TRANSFORMER CKT 1	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	WILLOW GLEN 500/230KV TRANSFORMER CKT 1	Indeterminate	10/1/2012	10/1/2012	Indeterminate
INDN	ECKLES - SIBLEVPL 161.00 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
INDN	SUB C - Sterling Rd Junction 69KV CKT 1	Indeterminate	6/1/2018	6/1/2018	Indeterminate
LAGN	6AIRLINE 230.00 - SORRENTO 230KV CKT 1 LAGN	Indeterminate	10/1/2014	10/1/2014	Indeterminate
LAGN	6CAJUN1 - ADDIS 230KV CKT 1 LAGN	Indeterminate	10/1/2012	10/1/2012	Indeterminate
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Reconductor 6 miles of 795 ACSR with 1590 ACSR. Replace Switch & Jumpers @ Eureka Springs.	6/1/2013	6/1/2015	\$ 4,130,000
SWPA	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1	Rebuild line with 1192 ACSR, Grackle	6/1/2013	6/1/2015	\$ 7,650,000
SWPA	BUFORD 5 161.00 - NORFORK 161KV CKT 1	Rebuild line with 1192 ACSR, Grackle	6/1/2013	6/1/2015	\$ 5,450,000
SWPA	CLAY - LOGAN 161KV CKT 1 SWPA	Rebuild line with 1192 Grackle SPRM: None.	6/1/2013	6/1/2016	\$ 1,995,000
SWPA	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #1	Replace 600 amp disconnect switches at Springfield.	10/1/2012	6/1/2014	Indeterminate
SWPA	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	Rebuild line with 1192 Grackle, replace terminal equipment w/ 1200 amp.	10/1/2012	6/1/2016	\$ 4,000,000
SWPA	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	Replace wave trap and CTs at Truman.	6/1/2013	6/1/2014	\$ 70,000

Exploratory Interconnection Project between AECI Cox Creek 345kV (Thayer, Mo), AEPW Osage Creek 345 kV, EMDE Reeds Spring-Branson 161 kV, and SPRM Brookline 345kV

Transmission Owner	UpgradeName	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
MULTIPLE	Brookline - Compton Ridge 345 kV	Build approx. 30 mile 345 kV line	6/1/2013	6/1/2018	Indeterminate
MULTIPLE	Compton Ridge - Cox Creek 345 kV	Build approx. 120 mile 345 kV line and Operate Gobbler Knob-Cox Creek at 345 kV	6/1/2013	6/1/2018	Indeterminate
MULTIPLE	Compton Ridge - Osage Creek 345 kV	Build approx. 50 mile 345 kV line	6/1/2013	6/1/2018	Indeterminate
MULTIPLE	Compton Ridge 345/161 kV Transformer	Install 500 MVA, 345/161 kV transformer and Cut EDE Reeds Spring-Branson line at 50% and route in & out of Compton Ridge	6/1/2013	6/1/2018	Indeterminate