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Executive Summary

Pursuant to Attachment Z1 of the Southwest Power Pool, Inc. (SPP) Open Access Transmission Tariff (OATT), 4,655 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 \$332 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 \$737 million.

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 August 9, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), SPP must receive from the Customer by August 24, 2013, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to withdraw the request or leave the request in study mode.

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

If Customers withdraw from the ATSS after posting of this AFS, the AFS will be re-performed to determine final cost allocation and Available Transmission Capability (ATC) in consideration of the remaining ATSS participants. All allocated revenue requirements for facility upgrades are assigned

to the Customer in the AFS data tables. Potential base plan funding allowable is contingent upon validation of designated resources meeting Attachment J, Section III B criteria.

Introduction

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

- In 2005, the Federal Energy Regulatory Commission (FERC) accepted SPP's proposed Aggregate Transmission Study procedures in Docket ER05-109.
- In 2008, in Docket ER08-1379-000 SPP filed with FERC to pair open seasons closing during January 2010 with an effective date of August 9, 2008.
- In January 2010, in Docket ER10-659-000 SPP filed with FERC to extend its current practice of pairing open seasons through January 31, 2011, with an effective date of January 28, 2010.
- In March 2010, in Docket ER10-659-000 FERC issued a letter order accepting SPP's proposal to continue to pair open seasons through January 31, 2011, effective January 28, 2010.
- All requests for long-term transmission service with a signed study agreement received before June 1, 2012 for 2012-AG2 have been included in this fifth Aggregate Transmission Service Study (ATSS) of 2012.

Approximately 4655 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$737 million in transmission upgrades is proposed. The results of the AFS are detailed in Tables 1 through 6. Detailed results depict individual upgrade costs by study and potential base plan allowances determined by Attachments J and Z1. The [OATT](#) may be accessed at SPP's website by going to SPP.org>Org Groups>Governing Documents.

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

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

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

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

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

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

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

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

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

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

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

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

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

Financial Analysis

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

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

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

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

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

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

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

Third-Party Facilities

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

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

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

Study Methodology

Description

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

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

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

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier non-SPP control area facilities, a 3 % TDF cutoff was applied to AECL, AMRN (Ameren), and ENTR (Entergy) control areas. A 2 % TDF cutoff was applied to WAPA. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

Model Development

SPP used seven seasonal models to study the aggregate transfers of 4655 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2012 Build 1 Cases were used to study the impact of the requested service on the transmission system:

- 2013/2014 Winter Peak (13WP)
- 2014 Summer Peak (14SP)
- 2014/2015 Winter Peak (14WP)

2018 Summer Peak (18SP)
2018/2019 Winter Peak (18WP)
2023 Summer Peak (23SP)
2023/2024 Winter Peak (23WP)

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

The chosen base case models were modified to reflect the current modeling information. One group of requests was developed from the aggregate of 4655 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 2012 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2012 Series Cases.

Transmission Request Modeling

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

Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or impacted by the transfer. Transfer distribution factor cutoffs (SPP and 1st-Tier) and voltage threshold (0.02 change) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

Curtailed and Redispatch Evaluation

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

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

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

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

Study Results

Study Analysis Results

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

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

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

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

Table 5 lists identified third-party constrained facilities.

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

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

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

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

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

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

Example A:

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

Example B:

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

Example C:

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

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

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

Study Definitions

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

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

Conclusion

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

The Transmission Provider will tender a Letter of Intent on August 9, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer) by August 24, 2013, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASE SETTINGS:

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

ACCC CASE SETTINGS:

- Solutions: AC contingency checking (ACCC)
- MW mismatch tolerance: 0.5
- System intact rating: Rate A
- Contingency case rating: Rate B
- Percent of rating: 100
- Output code: Summary
- Min flow change in overload report: 3mw
- Excl'd cases w/ no overloads from report: YES
- Exclude interfaces from report: NO
- Perform voltage limit check: YES
- Elements in available capacity table: 60000
- Cutoff threshold for available capacity table: 99999.0
- Min. contng. Case Vltg chng for report: 0.02
- Sorted output: None
- Newton Solution:
- Tap adjustment: Stepping
- Area interchange control: Tie lines and loads (Disabled for generator outages)
- Var limits: Apply immediately
- Solution options:
 - Phase shift adjustment
 - Flat start
 - Lock DC taps
 - Lock switched shunts

Appendix B

Common Acronyms:

• Southwest Power Pool Inc.	SPP
• Open Access Transmission Tariff	OATT
• Aggregate Facility Study	AFS
• Engineering and Construction	E&C
• Aggregate Transmission Service Study	ATSS
• Letter of Intent	LOI
• Available Transmission Capacity	ATC
• Federal Regulatory Service Commission	FERC
• Point-to-Point	PTP
• Model Development Working Group	MDWG
• Transfer Distribution Factor	TDF
• Managing and Utilizing System Transmission	MUST
• Date Upgrade Needed	DUN

Customer Acronyms:

• AECC	Arkansas Electric Cooperative
• AECI	Associated Electric Cooperative
• AEPM	American Electric Power
• APM	Associated Electric Cooperative
• BCPE	British Columbia Power Exchange
• BPAE	BP Wind Energy North America Inc.
• CALP	Calpine Energy Services
• CCG	Constellation Energy Commodities Group
• CMPL	City of Coffeyville
• CRGL	Cargill Power Markets
• CWEP	Carthage Water and Electric Power
• EDE/EDM	The Empire District Electric Company
• ETEC	East Texas Electric Cooperative
• EXGN	Excelon Generation Company, LLC.
• FPLP	Nextera Energy Resources, LLC.
• GRDA	Grand River Dam Authority
• GSEC	Golden Spread Electric Cooperative
• HCPD	Heartland Consumers Power District
• HZN	Horizon Wind Energy
• INDP	City of Independence Power and Light

Customer Acronyms (Continued):

- INF Infinity Wind Power
- JUWI JW Prairie Wind Power, LLC.
- KBPU Kansas Board of Public Utilities
- KCPL/KCPS Kansas City Power & Light
- KEPCO Kansas Electric Power Cooperative
- KMEA Kansas Municipal Energy Agency
- KPP Kansas Power Pool
- LES Lincoln Electric System
- MEAN Municipal Entergy Agency of Nebraska
- MIDW Midwest Energy Inc.
- MKEC Mid Kansas Electric
- MOWR Missouri Joint Municipal Utility Commission
- NPPD Nebraska Public Power District
- NTEC North Texas Electric Cooperative
- OGE Oklahoma Gas and Electric Services
- OMPA Oklahoma Municipal Power District
- OPPD Omaha Public Power District
- PEC People’s Electric Cooperative
- PPM PPM Energy
- PRBZ Invengery, LLC.
- PSCM Public Service Company of Colorado
- SEPC Sunflower Electric Power Cooperation
- SPRM City Utilities of Springfield
- SPS Southwestern Public Service Company
- SWE Southern Company
- SUNC Sunflower Electric Cooperative
- TEA The Energy Authority
- TEXL Tex-La Electric Cooperative of Texas Inc.
- TNSK Tenaska Power Services Co.
- TVAM Tennessee Valley Authority
- UCU Aquila Inc.
- WERE Westar Energy
- WFEC Western Farmers Electric Cooperative
- WIND enXco
- WRGS Western Resources Generation Services
- EDPR EDP Renewables
- KVEC KAW Valley Electrical Cooperative
- CHAN City of Chanute
- NMEC Nemaha-Marshall Electric

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG2-2012-037	76971840	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	23SP
AEPM	AG2-2012-038	76971841	CSWS	CSWS	10	6/1/2016	6/1/2021	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	23SP
AEPM	AG2-2012-039	76971857	MPS	CSWS	260	6/1/2016	6/1/2021	6/1/2017	6/1/2022	6/1/2016	6/1/2021	0	23SP
AEPM	AG2-2012-040	76971862	EES	CSWS	225	6/1/2016	6/1/2021	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	23SP
BPAE	AG2-2012-034	76971720	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
BPAE	AG2-2012-035	76971734	SECI	AMRN	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
BPAE	AG2-2012-036	76971743	SECI	EES	150	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
BPAE	AG2-2012-043	76974049	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
BPAE	AG2-2012-044	76974059	WR	AMRN	50	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
BPAE	AG2-2012-045	76974069	WR	AMRN	30	10/1/2014	10/1/2019	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	18SP
CRGL	AG2-2012-001	76591148	ERCOTN	ERCOTN	207	2/1/2014	2/1/2019	2/1/2014	2/1/2019	2/1/2014	2/1/2019	0	14SP
CRGL	AG2-2012-003	76874343	WR	ERCOTN	207	1/1/2013	1/1/2014	12/31/2018	12/31/2019	1/1/2014	1/1/2015	0	13SP
CRGL	AG2-2012-006	76874347	WR	ERCOTN	207	1/1/2014	1/1/2015	12/31/2018	12/31/2019	1/1/2014	1/1/2015	0	14SP
CRGL	AG2-2012-007	76874349	CSWS	ERCOTN	207	1/1/2014	1/1/2015	12/31/2018	12/31/2019	1/1/2014	1/1/2015	0	14SP
CRGL	AG2-2012-008	76874351	ERCOTN	ERCOTN	207	1/1/2014	1/1/2015	1/1/2014	1/1/2015	1/1/2014	1/1/2015	0	14SP
CRGL	AG2-2012-009	76874355	WR	ERCOTN	207	1/1/2015	1/1/2016	12/31/2018	12/31/2019	1/1/2015	1/1/2016	0	18SP
CRGL	AG2-2012-010	76874356	CSWS	ERCOTN	207	1/1/2015	1/1/2016	12/31/2018	12/31/2019	1/1/2015	1/1/2016	0	18SP
CRGL	AG2-2012-011	76874357	ERCOTN	ERCOTN	207	1/1/2015	1/1/2016	1/1/2015	1/1/2016	1/1/2015	1/1/2016	0	18SP
CRGL	AG2-2012-012	76874362	WR	ERCOTN	207	1/1/2016	1/1/2017	12/31/2018	12/31/2019	1/1/2016	1/1/2017	0	23SP
CRGL	AG2-2012-013	76874364	CSWS	ERCOTN	207	1/1/2016	1/1/2017	12/31/2018	12/31/2019	1/1/2016	1/1/2017	0	23SP
CRGL	AG2-2012-014	76874366	ERCOTN	ERCOTN	207	1/1/2016	1/1/2017	1/1/2016	1/1/2017	1/1/2016	1/1/2017	0	23SP
CRGL	AG2-2012-024	76970366	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	14SP
CRGL	AG2-2012-025	76970369	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	14SP
CRGL	AG2-2012-026	76970371	OKGE	EES	35	12/1/2013	12/1/2018	6/1/2019	6/1/2024	6/1/2016	6/1/2021	0	14SP
CRGL	AG2-2012-027	76970372	OKGE	EES	15	12/1/2013	12/1/2018	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	14SP
CRGL	AG2-2012-028	76970376	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2016	6/1/2026	0	18SP
CRGL	AG2-2012-029	76970381	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2016	6/1/2026	0	18SP
CRGL	AG2-2012-030	76970390	WPEK	EES	100	1/1/2015	1/1/2025	6/1/2019	6/1/2029	6/1/2016	6/1/2026	0	18SP
GRDX	AG2-2012-002	76771987	OKGE	GRDA	48	12/1/2012	2/1/2033	6/1/2019	8/1/2039	1/1/2014	3/1/2034	0	13SP
GSEC	AG2-2012-019	76945028	SPS	SPS	40	1/1/2015	12/31/2039	12/31/2016	11/30/2041	1/1/2015	12/1/2039	0	18SP
GSEC	AG2-2012-020	76945034	SPS	SPS	15	1/1/2015	12/31/2039	12/31/2016	11/30/2041	1/1/2015	12/1/2039	0	18SP
GSEC	AG2-2012-021	76945060	SPS	SPS	15	1/1/2015	12/31/2039	12/31/2016	11/30/2041	1/1/2015	12/1/2039	0	18SP
HZN	AG2-2012-018	76941507	WR	EES	85	1/1/2015	1/1/2020	6/1/2019	6/1/2024	Note 4	Note 4	0	18SP
KCPS	AG2-2012-033	76971296	KCPL	MPS	170	6/1/2014	6/1/2019	6/1/2018	6/1/2023	6/1/2016	6/1/2021	0	14SP
KEPC	AG2-2012-031	76970941	NPPD	WR	12	12/1/2012	10/1/2024	6/1/2019	4/1/2031	1/1/2014	11/1/2025	0	13SP
KEPC	AG2-2012-032	76970993	NPPD	SECI	2	12/1/2012	10/1/2024	1/1/2014	11/1/2025	1/1/2014	11/1/2025	0	13SP
PSCM	AG2-2012-022	76955870	SPS	LAM345	101	3/1/2013	3/1/2018	6/1/2017	6/1/2022	1/1/2014	1/1/2019	0	13SP
SECI	AG2-2012-015	76902942	SECI	SECI	55	1/1/2014	1/1/2044	6/1/2019	6/1/2049	1/1/2014	1/1/2044	0	14SP

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
					4655								

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	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	^{3,5} Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	⁴ Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
AEPM	AG2-2012-037	76971840	\$ 1,114,674	\$ 1,114,674	\$ -		Indeterminate	\$ 2,453,662	\$ -	\$ 2,453,662
AEPM	AG2-2012-038	76971841	\$ 4,075,739	\$ 4,075,739	\$ -		Indeterminate	\$ 7,143,482	\$ -	\$ 7,143,482
AEPM	AG2-2012-039	76971857	\$ 144,623	\$ 144,623	\$ -		Indeterminate	\$ 245,840	\$ -	\$ 245,840
AEPM	AG2-2012-040	76971862	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
BPAE	AG2-2012-034	76971720	\$ 35,362,251	\$ 35,362,250	\$ -	6,12	Indeterminate	\$ 77,051,700	\$ 7,893,000	\$ 77,051,700
BPAE	AG2-2012-035	76971734	\$ 37,637,915	\$ 37,637,920	\$ -	6,12	Indeterminate	\$ 82,026,840	\$ 7,893,000	\$ 82,026,840
BPAE	AG2-2012-036	76971743	\$ 37,473,524	\$ 37,473,520	\$ -	6,12	Indeterminate	\$ 81,662,350	\$ 11,520,000	\$ 81,662,350
BPAE	AG2-2012-043	76974049	\$ 12,288,958	\$ 12,288,960	\$ -		Indeterminate	\$ 26,709,550	\$ 2,631,000	\$ 26,709,550
BPAE	AG2-2012-044	76974059	\$ 12,288,958	\$ 12,288,960	\$ -		Indeterminate	\$ 26,709,550	\$ 2,631,000	\$ 26,709,550
BPAE	AG2-2012-045	76974069	\$ 7,373,374	\$ 7,373,374	\$ -		Indeterminate	\$ 16,025,730	\$ 1,578,600	\$ 16,025,730
CRGL	AG2-2012-001	76591148	\$ -	\$ -	\$ -	7,11	\$ -	\$ -	\$ 27,343,003	\$ 27,343,000
CRGL	AG2-2012-003	76874343	\$ -	\$ -	\$ -		\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-006	76874347	\$ -	\$ -	\$ -	8,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-007	76874349	\$ -	\$ -	\$ -	8,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-008	76874351	\$ -	\$ -	\$ -	8,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-009	76874355	\$ 18,362	\$ 18,362	\$ -	9,11	\$ -	\$ 29,091	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-010	76874356	\$ -	\$ -	\$ -	9,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-011	76874357	\$ -	\$ -	\$ -	9,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-012	76874362	\$ 18,362	\$ 18,362	\$ -	10,11	\$ -	\$ 31,208	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-013	76874364	\$ -	\$ -	\$ -	10,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-014	76874366	\$ -	\$ -	\$ -	10,11	\$ -	\$ -	\$ 5,468,601	\$ 5,468,601
CRGL	AG2-2012-024	76970366	\$ 19,304,068	\$ 19,304,070	\$ -		Indeterminate	\$ 42,430,010	\$ 7,680,000	\$ 42,430,010
CRGL	AG2-2012-025	76970369	\$ 17,065,892	\$ 17,065,890	\$ -		Indeterminate	\$ 37,528,580	\$ 7,680,000	\$ 37,528,580
CRGL	AG2-2012-026	76970371	\$ 5,973,063	\$ 5,973,063	\$ -		Indeterminate	\$ 13,135,010	\$ 2,688,000	\$ 13,135,010
CRGL	AG2-2012-027	76970372	\$ 2,559,884	\$ 2,559,884	\$ -		Indeterminate	\$ 5,629,288	\$ 1,152,000	\$ 5,629,288
CRGL	AG2-2012-028	76970376	\$ 44,833,128	\$ 44,833,130	\$ -		Indeterminate	\$ 118,043,400	\$ 30,720,000	\$ 118,043,400
CRGL	AG2-2012-029	76970381	\$ 44,833,128	\$ 44,833,130	\$ -		Indeterminate	\$ 118,043,400	\$ 30,720,000	\$ 118,043,400
CRGL	AG2-2012-030	76970390	\$ 22,416,566	\$ 22,416,570	\$ -		Indeterminate	\$ 59,021,700	\$ 15,360,000	\$ 59,021,700
GRDX	AG2-2012-002	76771987	\$ 4,660,173	\$ 802,744	\$ 3,857,429		\$ -	\$ 2,588,601	\$ -	\$ 2,588,601
GSEC	AG2-2012-019	76945028	\$ 92,688	\$ -	\$ 92,688		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
GSEC	AG2-2012-020	76945034	\$ 55,680	\$ -	\$ 55,680		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
GSEC	AG2-2012-021	76945060	\$ 55,680	\$ -	\$ 55,680		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
HZN	AG2-2012-018	76941507	\$ 7,024,522	\$ 7,024,522	\$ -		Indeterminate	\$ 20,290,890	\$ 6,528,000	\$ 20,290,890
KPCS	AG2-2012-033	76971296	\$ 15,086,896	\$ -	\$ 15,086,896		\$ 29,491	\$ -	\$ -	Schedule 9 & 11 Charges
KEPC	AG2-2012-031	76970941	\$ 13,757	\$ -	\$ 13,757		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KEPC	AG2-2012-032	76970993	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
PSCM	AG2-2012-022	76955870	\$ 35,951	\$ 35,951	\$ -		\$ -	\$ 65,136	\$ 11,235,240	\$ 11,235,240
SECI	AG2-2012-015	76902942	\$ 383,443	\$ -	\$ 383,443		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges

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	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	^{3,5} Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	⁴ Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
Grand Total			\$ 332,191,259		\$ 19,545,573			\$ 736,865,018		
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Note 6: Mutually exclusive requests: 76971720, 76971734, and 76971743. System impacts were identified by only modeling mutually exclusive request 76971743.</p> <p>Note 7: Mutually exclusive requests: 76591148, 76874347, 76874349, 76874351, 76874355, 76874356, 76874357, 76874362, 76874364, and 76874366. System impacts were identified by only modeling mutually exclusive request 76874347, 76874355, and 76874362.</p> <p>Note 8: Mutually exclusive requests: 76591148, 76874347, 76874349, and 76874351. System impacts were identified by only modeling mutually exclusive request 76874347.</p> <p>Note 9: Mutually exclusive requests: 76591148, 76874355, 76874356, and 76874357. System impacts were identified by only modeling mutually exclusive request 76874355.</p> <p>Note 10: Mutually exclusive requests: 76591148, 76874362, 76874364, and 76874366. System impacts were identified by only modeling mutually exclusive request 76874362.</p> <p>Note 11: ATSS cost allocation includes all customers' mutually exclusive requests in SPP-2012-AG2.</p>										

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

Customer Study Number
 AEPM AG2-2012-037

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76971840	CSWS	CSWS	10	6/1/2016	6/1/2021			\$ -	\$ -	\$ 1,114,674	\$ 2,453,662
									\$ -	\$ -	\$ 1,114,674	\$ 2,453,662

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971840	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016			\$ 1,134	\$ 150,000	\$ 2,667
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018			\$ 7,441	\$ 1,088,127	\$ 14,185
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019			\$ 1,106,099	\$ 129,000,000	\$ 2,436,809
	Total					\$ 1,114,674	\$ 130,238,127	\$ 2,453,662

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
76971840	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971840	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	6/1/2019	6/1/2019		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2019	6/1/2019		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971840	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2014	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971840	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971840	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016			\$ 399	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			0.65%	100.00%
	Total					\$ 399	\$ 100,000

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

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

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

Customer Study Number
 AEPM AG2-2012-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
AEPM	76971857	MPS	CSWS	260	6/1/2016	6/1/2021	6/1/2017	6/1/2022	\$ -	\$ -	\$ 144,623	\$ 245,840	
										\$ -	\$ -	\$ 144,623	\$ 245,840

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971857	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018			\$ 64,539	\$ 1,088,127	\$ 123,035
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes	\$ 80,084	\$ 311,180	\$ 122,805
Total						\$ 144,623	\$ 1,399,307	\$ 245,840

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
76971857	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971857	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	6/1/2019	6/1/2019		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	6/1/2019	6/1/2019		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971857	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	10/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971857	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971857	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			6.17%	100.00%
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 50,590	\$ 180,000
	MORGAN - STOCKTON 161KV CKT 1	6/1/2016	6/1/2016			\$ 155,000	\$ 155,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ 40,805	\$ 70,000
Total						\$ 246,395	\$ 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.

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

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

Customer Study Number
BPAE AG2-2012-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
BPAE	76971720	SECI	AMRN	150	10/1/2014	10/1/2019		6/1/2019	6/1/2024	\$ -	\$ 7,893,000	\$ 35,362,251	\$ 77,051,707
										\$ -	\$ 7,893,000	\$ 35,362,251	\$ 77,051,707

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971720	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 841,736	\$ 5,693,300	\$ 1,582,954
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 745,620	\$ 5,043,200	\$ 1,402,200
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 10,122	\$ 106,063	\$ 20,434
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 432,239	\$ 4,145,572	\$ 919,100
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 71,715	\$ 1,088,127	\$ 136,715
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 2,078,979	\$ 14,089,880	\$ 4,825,678
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 19,001,065	\$ 128,776,067	\$ 41,528,666
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,312,754	\$ 10,387,750	\$ 2,791,401
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 265,953	\$ 2,550,731	\$ 565,515
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 9,111,377	\$ 129,000,000	\$ 20,072,966
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	10/1/2014	6/1/2017		Yes	\$ 149,852	\$ 450,000	\$ 274,684
	ST JOHN - ST JOHN 115KV CKT 1 MKEC	10/1/2014	6/1/2017		Yes	\$ 187,315	\$ 562,500	\$ 478,577
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,153,524	\$ 9,127,831	\$ 2,452,819
	Total					\$ 35,362,251	\$ 311,021,021	\$ 77,051,707

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971720	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		Yes
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971720	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76971720	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	10/1/2014	6/1/2015		Yes
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Spearville 345/115/13.8kv Transformer CKT 3	6/1/2015	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
76971720	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971720	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 12,667	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			6.56%	100.00%
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2014	6/1/2016		Yes	\$ 81,631	\$ 200,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016		Yes	\$ 15,414	\$ 180,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016		Yes	\$ 17,921	\$ 70,000
					Total	\$ 127,633	\$ 550,000

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

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

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

Customer Study Number
BPAE AG2-2012-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
BPAE	76971734	SECI	AMRN	150	10/1/2014	10/1/2019		6/1/2019		\$ 7,893,000	\$ 37,637,915	\$ 82,026,841
										\$ -	\$ 7,893,000	\$ 37,637,915

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971734	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 859,695	\$ 5,693,300	\$ 1,616,727
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 761,529	\$ 5,043,200	\$ 1,432,118
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 17,020	\$ 150,000	\$ 40,030
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 10,323	\$ 106,063	\$ 20,840
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 518,167	\$ 4,145,572	\$ 1,101,815
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 106,507	\$ 1,088,127	\$ 203,042
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 1,871,332	\$ 14,089,880	\$ 4,343,693
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 17,103,254	\$ 128,776,067	\$ 37,380,816
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,434,378	\$ 10,387,750	\$ 3,050,018
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 318,823	\$ 2,550,731	\$ 677,936
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 13,039,852	\$ 129,000,000	\$ 28,727,656
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	10/1/2014	6/1/2017		Yes	\$ 149,622	\$ 450,000	\$ 274,262
	ST JOHN - ST JOHN 115KV CKT 1 MKEC	10/1/2014	6/1/2017		Yes	\$ 187,028	\$ 562,500	\$ 477,843
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,260,385	\$ 9,127,831	\$ 2,680,045
	Total					\$ 37,637,915	\$ 311,171,021	\$ 82,026,841

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971734	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		Yes
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971734	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76971734	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Spearville 345/115/13.8KV Transformer CKT 3	6/1/2015	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
76971734	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971734	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 9,717	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			9.83%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECL	6/1/2015	6/1/2016		Yes	\$ 12,850	\$ 180,000
					Total	\$ 22,567	\$ 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.

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

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

Customer Study Number
BPAE AG2-2012-036

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
BPAE	76971743	SECI	EES	150	10/1/2014	10/1/2019		6/1/2019	6/1/2024	\$ -	\$ 11,520,000	\$ 37,473,524	\$ 81,662,355
										\$ -	\$ 11,520,000	\$ 37,473,524	\$ 81,662,355

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
76971743	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 859,106	\$ 5,693,300	\$ 1,615,619	
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 761,007	\$ 5,043,200	\$ 1,431,136	
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 17,174	\$ 150,000	\$ 40,393	
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 10,321	\$ 106,063	\$ 20,836	
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 530,754	\$ 4,145,572	\$ 1,128,579	
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 106,838	\$ 1,088,127	\$ 203,673	
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 1,852,354	\$ 14,089,880	\$ 4,299,641	
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 16,929,798	\$ 128,776,067	\$ 37,001,711	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,447,129	\$ 10,387,750	\$ 3,077,132	
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 326,568	\$ 2,550,731	\$ 694,404	
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 13,024,366	\$ 129,000,000	\$ 28,693,540	
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	10/1/2014	6/1/2017		Yes	\$ 149,592	\$ 450,000	\$ 274,207	
	ST JOHN - ST JOHN 115KV CKT 1 MKEC	10/1/2014	6/1/2017		Yes	\$ 186,990	\$ 562,500	\$ 477,746	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,271,527	\$ 9,127,831	\$ 2,703,737	
						Total	\$ 37,473,524	\$ 311,171,021	\$ 81,662,355

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971743	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		Yes
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971743	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76971743	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Spearville 345/115/13.8KV Transformer CKT 3	6/1/2015	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
76971743	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville 345/115/13.8kv Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971743	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 9,296	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			9.82%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2015	6/1/2016		Yes	\$ 12,512	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			15.00%	100.00%
					Total	\$ 21,808	\$ 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.

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

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

Customer Study Number
BPAE AG2-2012-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
BPAE	76974049	WR	AMRN	50	10/1/2014	10/1/2019		6/1/2019		\$ 2,631,000	\$ 12,288,958	\$ 26,709,554
										\$ -	\$ 2,631,000	\$ 12,288,958

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76974049	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 465,472	\$ 5,693,300	\$ 875,358
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 412,321	\$ 5,043,200	\$ 775,403
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 6,036	\$ 150,000	\$ 14,196
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 3,119	\$ 106,063	\$ 6,297
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 192,072	\$ 4,145,572	\$ 408,416
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 37,911	\$ 1,088,127	\$ 72,272
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 605,357	\$ 14,089,880	\$ 1,405,141
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 5,532,731	\$ 128,776,067	\$ 12,092,319
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 144,968	\$ 10,387,750	\$ 308,256
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 118,180	\$ 2,550,731	\$ 251,294
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 4,643,447	\$ 129,000,000	\$ 10,229,821
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 127,344	\$ 9,127,831	\$ 270,780
						\$ 12,288,958	\$ 310,158,521	\$ 26,709,554

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974049	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974049	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Viola - Clearwater 138kv Ckt1	10/1/2014	6/1/2018		
	Viola - Gill 138kv Ckt1	10/1/2014	6/1/2018		
	Viola 345/138kv Transformer Ckt 1	10/1/2014	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
76974049	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76974049	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974049	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 3,669	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			\$ 3,50%	\$ 100,000%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2014	6/1/2016		Yes	\$ 25,280	\$ 200,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 4,114	\$ 180,000
						\$ 33,063	\$ 480,000

*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.
*Credits may be required for applicable generation interconnection network upgrades.

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

Customer Study Number
BPAE AG2-2012-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
BPAE	76974059	WR	AMRN	50	10/1/2014	10/1/2019		6/1/2019		\$ 2,631,000	\$ 12,288,958	\$ 26,709,554
										\$ -	\$ 2,631,000	\$ 12,288,958

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76974059	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 465,472	\$ 5,693,300	\$ 875,358
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 412,321	\$ 5,043,200	\$ 775,403
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 6,036	\$ 150,000	\$ 14,196
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 3,119	\$ 106,063	\$ 6,297
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 192,072	\$ 4,145,572	\$ 408,416
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 37,911	\$ 1,088,127	\$ 72,272
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 605,357	\$ 14,089,880	\$ 1,405,141
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 5,532,731	\$ 128,776,067	\$ 12,092,319
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 144,968	\$ 10,387,750	\$ 308,256
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 118,180	\$ 2,550,731	\$ 251,294
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 4,643,447	\$ 129,000,000	\$ 10,229,821
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 127,344	\$ 9,127,831	\$ 270,780
						\$ 12,288,958	\$ 310,158,521	\$ 26,709,554

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974059	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974059	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Viola - Clearwater 138kv Ckt1	10/1/2014	6/1/2018		
	Viola - Gill 138kv Ckt1	10/1/2014	6/1/2018		
	Viola 345/138kv Transformer Ckt 1	10/1/2014	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
76974059	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76974059	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974059	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 3,669	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			3.50%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2014	6/1/2016		Yes	\$ 25,280	\$ 200,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 4,114	\$ 180,000
						\$ 33,063	\$ 480,000

*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.
*Credits may be required for applicable generation interconnection network upgrades.

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

Customer Study Number
BPAE AG2-2012-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
BPAE	76974069	WR	AMRN	30	10/1/2014	10/1/2019	6/1/2019	6/1/2024	\$ -	\$ 1,578,600	\$ 7,373,374	\$ 16,025,731
									\$ -	\$ 1,578,600	\$ 7,373,374	\$ 16,025,731

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
76974069	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 279,283	\$ 5,693,300	\$ 525,215	
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 247,393	\$ 5,043,200	\$ 465,243	
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016			\$ 3,622	\$ 150,000	\$ 8,519	
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 1,872	\$ 106,063	\$ 3,779	
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 115,243	\$ 4,145,572	\$ 245,049	
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 22,746	\$ 1,088,127	\$ 43,362	
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 363,214	\$ 14,089,880	\$ 843,084	
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 3,319,638	\$ 128,776,067	\$ 7,255,390	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 86,981	\$ 10,387,750	\$ 184,954	
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 70,908	\$ 2,550,731	\$ 150,777	
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 2,786,068	\$ 129,000,000	\$ 6,137,892	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 76,406	\$ 9,127,831	\$ 162,467	
						Total	\$ 7,373,374	\$ 310,158,521	\$ 16,025,731

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974069	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76974069	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Viola - Clearwater 138kv Ckt1	10/1/2014	6/1/2018		
	Viola - Gill 138kv Ckt1	10/1/2014	6/1/2018		
	Viola 345/138kv Transformer Ckt 1	10/1/2014	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
76974069	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76974069	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76974069	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 2,201	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			2.10%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2014	6/1/2016			\$ 15,168	\$ 200,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 2,469	\$ 180,000
						Total	\$ 19,838 \$ 480,000

*Estimated cost allocation as a percentage of total cost is shown for third-party limitations when costs have not yet been established by the third-party.
*Credits may be required for applicable generation interconnection network upgrades.

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

Customer Study Number
CRGL AG2-2012-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76591148	ERCOTN	ERCOTN	207	2/1/2014	2/1/2019			\$ -	\$ 27,343,003	\$ -	\$ -
									\$ -	\$ 27,343,003	\$ -	\$ -

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

*Credits may be required for applicable generation interconnection network upgrades.
 *The North DC Tie is derated to 210mw indefinitely.
 *The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.
 *198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.
 *Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874343	WR	ERCOTN	207	1/1/2013	1/1/2014	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874343	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874343	Cox Interchange - Kiser 115 kV Ckt 1 #2	1/1/2014	2/28/2014		Yes
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Kiser Substation 115/69 kV Ckt 1	1/1/2014	2/28/2014		Yes
	Kress Interchange - Kiser 115 kV Ckt 1	1/1/2014	11/30/2014		Yes
	Line - Clark County - Thistle 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kV line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kV line SPS	1/1/2014	6/1/2014		Yes
	XFR - Thistle 345/138 kV	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874343	Hitchland 230/115/13.2 kV Transformer Ckt 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874343	Evans Energy Center North - Maize 138kV ckt 1 #1	6/1/2015	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Potter to Tolik 345 kV	1/1/2014	12/31/2018		Yes

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874343	GOODYEAR JUNCTION - MCVICAR3 115KV	1/1/2014	1/1/2014		
	MCVICAR3 - 17TH & FAIRLAWN 115KV	1/1/2014	12/1/2014		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874343	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-006

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874347	WR	ERCOTN	207	1/1/2014	1/1/2015	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874347	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874347	Cox Interchange - Kiser 115 kV Ckt 1 #2	1/1/2014	2/28/2014		Yes
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Kiser Substation 115/69 kV Ckt 1	1/1/2014	2/28/2014		Yes
	Kress Interchange - Kiser 115 kV Ckt 1	1/1/2014	11/30/2014		Yes
	Line - Clark County - Thistle 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kV line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kV line SPS	1/1/2014	6/1/2014		Yes
	XFR - Thistle 345/138 kV	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874347	Hitchland 230/115/13.2 kV Transformer Ckt 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874347	Evans Energy Center North - Maize 138kV ckt 1 #1	6/1/2015	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Potter to Tolik 345 kV	1/1/2014	12/31/2018		Yes

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874347	GOODYEAR JUNCTION - MCVICAR3 115KV	1/1/2014	1/1/2014		
	MCVICAR3 - 17TH & FAIRLAWN 115KV	1/1/2014	12/1/2014		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874347	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-007

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874349	CSWS	ERCOTN	207	1/1/2014	1/1/2015	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874349	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
76874349	Cox Interchange - Kiser 115 kV Ckt 1 #2	1/1/2014	2/28/2014		Yes
	Kiser Substation 115/69 kV Ckt 1	1/1/2014	2/28/2014		Yes
	Kress Interchange - Kiser 115 kV Ckt 1	1/1/2014	11/30/2014		Yes
	Line - Clark County - Thistle 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kV line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kV line SPS	1/1/2014	6/1/2014		Yes
	XFR - Thistle 345/138 kV	1/1/2014	1/1/2015		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
76874349	Potter to Tolk 345 kV	1/1/2014	12/31/2018		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
76874349	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	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.

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-008

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874351	ERCOTN	ERCOTN	207	1/1/2014	1/1/2015			\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

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

*Credits may be required for applicable generation interconnection network upgrades.
 *The North DC Tie is derated to 210mw indefinitely.
 *The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.
 *198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.
 *Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-009

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874355	WR	ERCOTN	207	1/1/2015	1/1/2016	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ 18,362	\$ 29,091
									\$ -	\$ 5,468,601	\$ 18,362	\$ 29,091

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874355	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016		Yes	\$ 18,362	\$ 106,063	\$ 29,091
	Total					\$ 18,362	\$ 106,063	\$ 29,091

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874355	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874355	Hitchland 230/115/13.2 kV Transformer Ckt 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874355	Evans Energy Center North - Maize 138KV ckt 1 #1	6/1/2015	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Potter to Tolik 345 kV	1/1/2014	12/31/2018		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
76874355	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-010

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874356	CSWS	ERCOTN	207	1/1/2015	1/1/2016	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874356	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874356	Potter to Tolk 345 kV	1/1/2014	12/31/2018		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
76874356	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	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.

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-011

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874357	ERCOTN	ERCOTN	207	1/1/2015	1/1/2016			\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

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

*Credits may be required for applicable generation interconnection network upgrades.
 *The North DC Tie is derated to 210mw indefinitely.
 *The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.
 *198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.
 *Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-012

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874362	WR	ERCOTN	207	1/1/2016	1/1/2017	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ 18,362	\$ 31,208
									\$ -	\$ 5,468,601	\$ 18,362	\$ 31,208

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874362	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016		Yes	\$ 18,362	\$ 106,063	\$ 31,208
	Total					\$ 18,362	\$ 106,063	\$ 31,208

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874362	Hitchland 230/115/13.2 kV Transformer Ckt 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874362	Evans Energy Center North - Maize 138KV ckt 1 #1	6/1/2015	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	Potter to Tolik 345 kV	1/1/2014	12/31/2018		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
76874362	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-013

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874364	CSWS	ERCOTN	207	1/1/2016	1/1/2017	12/31/2018	12/31/2019	\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76874364	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76874364	Potter to Tolk 345 kV	1/1/2014	12/31/2018		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
76874364	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	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.

*The North DC Tie is derated to 210mw indefinitely.

*The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.

*198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.

*Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-014

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76874366	ERCOTN	ERCOTN	207	1/1/2016	1/1/2017			\$ -	\$ 5,468,601	\$ -	\$ -
									\$ -	\$ 5,468,601	\$ -	\$ -

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

*Credits may be required for applicable generation interconnection network upgrades.
 *The North DC Tie is derated to 210mw indefinitely.
 *The NORTH DC tie is scheduled for an outage beginning 12/1/2013 until 3/31/2014 to refurbish the facility.
 *198 MW of available ERCOT North to South capacity without consideration of prior queued STUDY requests in active Aggregate Transmission Service Studies.
 *Available capacity will be allocated on a first come first served basis in accordance with Attachment Z1 III.b. of SPP OATT.

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

Customer Study Number
CRGL AG2-2012-024

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970366	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 7,680,000	\$ 19,304,068	\$ 42,430,009
									\$ -	\$ 7,680,000	\$ 19,304,068	\$ 42,430,009

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970366	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 13,351	\$ 150,000	\$ 31,401
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 335,597	\$ 4,145,572	\$ 713,603
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 85,389	\$ 1,088,127	\$ 162,783
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 799,142	\$ 14,089,880	\$ 1,854,950
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 7,303,850	\$ 128,776,067	\$ 15,963,271
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 206,489	\$ 2,550,731	\$ 439,072
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 10,560,250	\$ 129,000,000	\$ 23,264,929
	Total					\$ 19,304,068	\$ 279,800,377	\$ 42,430,009

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970366	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		Yes
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970366	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Multi - Centerton - Osage Creek 345 kv	6/1/2014	6/1/2016		Yes
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2014	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
76970366	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76970366	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970366	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970366	JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 7,365	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			7.81%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	10/1/2014	6/1/2016		Yes	\$ 52,642	\$ 200,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 5,650	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			10.36%	100.00%
					Total	\$ 65,657	\$ 480,000

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

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

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

Customer Study Number
CRGL AG2-2012-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970369	OKGE	EES	100	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 7,680,000	\$ 17,065,892	\$ 37,528,585
									\$ -	\$ 7,680,000	\$ 17,065,892	\$ 37,528,585

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970369	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 11,827	\$ 150,000	\$ 27,817
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 83,439	\$ 1,088,127	\$ 159,066
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 600,054	\$ 14,089,880	\$ 1,392,832
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 5,484,265	\$ 128,776,067	\$ 11,986,392
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 10,752,974	\$ 129,000,000	\$ 23,689,513
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 133,333	\$ 200,000	\$ 272,967
	Total					\$ 17,065,892	\$ 273,304,074	\$ 37,528,585

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970369	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970369	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Multi - Centerton - Osage Creek 345 kv	6/1/2014	6/1/2016		Yes
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2014	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
76970369	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		Yes
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2014	6/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970369	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970369	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970369	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 6,207	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			7.54%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			10.78%	100.00%
	Total					\$ 6,207	\$ 100,000

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

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

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

Customer Study Number
CRGL AG2-2012-026

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970371	OKGE	EES	35	12/1/2013	12/1/2018	6/1/2019	6/1/2024	\$ -	\$ 2,688,000	\$ 5,973,063	\$ 13,135,006
									\$ -	\$ 2,688,000	\$ 5,973,063	\$ 13,135,006

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970371	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016			\$ 4,139	\$ 150,000	\$ 9,735
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 29,204	\$ 1,088,127	\$ 55,674
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 210,019	\$ 14,089,880	\$ 487,491
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 1,919,493	\$ 128,776,067	\$ 4,195,238
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 3,763,541	\$ 129,000,000	\$ 8,291,330
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 46,667	\$ 200,000	\$ 95,539
	Total					\$ 5,973,063	\$ 273,304,074	\$ 13,135,006

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970371	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970371	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Multi - Centerton - Osage Creek 345 kv	6/1/2014	6/1/2016		Yes
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2014	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
76970371	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2014	6/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970371	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970371	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970371	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 2,173	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			2.64%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			3.77%	100.00%
	Total					\$ 2,173	\$ 100,000

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

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

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

Customer Study Number
CRGL AG2-2012-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970372	OKGE	EES	15	12/1/2013	12/1/2018	6/1/2016	6/1/2021	\$ -	\$ 1,152,000	\$ 2,559,884	\$ 5,629,288
									\$ -	\$ 1,152,000	\$ 2,559,884	\$ 5,629,288

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970372	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016			\$ 1,774	\$ 150,000	\$ 4,172
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018			\$ 12,516	\$ 1,088,127	\$ 23,860
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019			\$ 90,008	\$ 14,089,880	\$ 208,925
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019			\$ 822,640	\$ 128,776,067	\$ 1,797,959
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019			\$ 1,612,946	\$ 129,000,000	\$ 3,553,427
	RATLIFF - WILDHORSE 69KV CKT 1	6/1/2014	6/1/2016			\$ 20,000	\$ 200,000	\$ 40,945
	Total					\$ 2,559,884	\$ 273,304,074	\$ 5,629,288

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970372	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970372	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		
	Multi - Centerton - Osage Creek 345 kv	6/1/2014	6/1/2016		
	Multi - Flint Creek - Centerton 345 kv and Centerton - East Centerton 161 kv	6/1/2014	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
76970372	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2014	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970372	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970372	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 931	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			1.13%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			1.62%	100.00%
	Total					\$ 931	\$ 100,000

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

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

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

Customer Study Number
CRGL AG2-2012-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970376	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 44,833,128	\$ 118,043,396
									\$ -	\$ 30,720,000	\$ 44,833,128	\$ 118,043,396

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970376	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 769,015	\$ 5,693,300	\$ 1,715,086
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 681,203	\$ 5,043,200	\$ 1,519,245
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 22,784	\$ 150,000	\$ 65,645
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 12,185	\$ 106,063	\$ 29,014
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 729,727	\$ 4,145,572	\$ 1,900,610
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 142,451	\$ 1,088,127	\$ 332,634
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 2,000,181	\$ 14,089,880	\$ 5,652,073
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 18,280,883	\$ 128,776,067	\$ 47,383,390
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 2,290,976	\$ 10,387,750	\$ 5,966,959
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 448,994	\$ 2,550,731	\$ 1,169,427
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 17,441,534	\$ 129,000,000	\$ 47,065,848
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 2,013,195	\$ 9,127,831	\$ 5,243,465
	Total					\$ 44,833,128	\$ 310,158,521	\$ 118,043,396

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970376	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970376	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76970376	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76970376	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970376	JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 12,099	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			13.08%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016		Yes	\$ 15,708	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			20.01%	100.00%
					Total	\$ 27,807	\$ 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.

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

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

Customer Study Number
CRGL AG2-2012-029

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76970381	WPEK	EES	200	1/1/2015	1/1/2025	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 44,833,128	\$ 118,043,396
									\$ -	\$ 30,720,000	\$ 44,833,128	\$ 118,043,396

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970381	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 769,015	\$ 5,693,300	\$ 1,715,086
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 681,203	\$ 5,043,200	\$ 1,519,245
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 22,784	\$ 150,000	\$ 65,645
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 12,185	\$ 106,063	\$ 29,014
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 729,727	\$ 4,145,572	\$ 1,900,610
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 142,451	\$ 1,088,127	\$ 332,634
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 2,000,181	\$ 14,089,880	\$ 5,652,073
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 18,280,883	\$ 128,776,067	\$ 47,383,390
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 2,290,976	\$ 10,387,750	\$ 5,966,959
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 448,994	\$ 2,550,731	\$ 1,169,427
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 17,441,534	\$ 129,000,000	\$ 47,065,848
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 2,013,195	\$ 9,127,831	\$ 5,243,465
	Total					\$ 44,833,128	\$ 310,158,521	\$ 118,043,396

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970381	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970381	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76970381	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76970381	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970381	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 12,099	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			13.08%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016		Yes	\$ 15,708	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			20.01%	100.00%
					Total	\$ 27,807	\$ 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.
 *Credits may be required for applicable generation interconnection network upgrades.

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

Customer Study Number
CRGL AG2-2012-030

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
CRGL	76970390	WPEK	EES	100	1/1/2015	1/1/2025		6/1/2019	6/1/2029	\$ -	\$ 15,360,000	\$ 22,416,566	\$ 59,021,703
										\$ -	\$ 15,360,000	\$ 22,416,566	\$ 59,021,703

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970390	59TH ST - EL PASO 138KV CKT 1	6/1/2019	6/1/2019			\$ 384,507	\$ 5,693,300	\$ 857,542
	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2019	6/1/2019			\$ 340,602	\$ 5,043,200	\$ 759,624
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ 11,392	\$ 150,000	\$ 32,822
	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	6/1/2015	6/1/2016			\$ 6,093	\$ 106,063	\$ 14,508
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 364,863	\$ 4,145,572	\$ 950,304
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018		Yes	\$ 71,226	\$ 1,088,127	\$ 166,318
	Iatan - Jeffrey Energy Center 345 kv KACP	10/1/2015	6/1/2019		Yes	\$ 1,000,091	\$ 14,089,880	\$ 2,826,038
	Iatan - Jeffrey Energy Center 345 kv WERE	10/1/2015	6/1/2019		Yes	\$ 9,140,442	\$ 128,776,067	\$ 23,691,696
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,145,488	\$ 10,387,750	\$ 2,983,480
	Mathewson 345 kv Accelerate	10/1/2015	6/1/2019		Yes	\$ 224,497	\$ 2,550,731	\$ 584,713
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 8,720,767	\$ 129,000,000	\$ 23,532,924
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 1,006,598	\$ 9,127,831	\$ 2,621,734
	Total					\$ 22,416,566	\$ 310,158,521	\$ 59,021,703

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970390	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		
	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	1/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	1/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	1/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	1/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970390	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		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
76970390	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	Evans Energy Center North - Maize 138kv ckt 1 #1	6/1/2015	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76970390	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76970390	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 6,049	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			6.54%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016		Yes	\$ 7,854	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			10.00%	100.00%
					Total	\$ 13,903	\$ 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.
 *Credits may be required for applicable generation interconnection network upgrades.

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

Customer Study Number
GRDX AG2-2012-002

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GRDX	76771987	OKGE	GRDA	48	12/1/2012	2/1/2033	6/1/2019	8/1/2039	\$ 3,857,429	\$ -	\$ 4,660,173	\$ 14,753,488
									\$ 3,857,429	\$ -	\$ 4,660,173	\$ 14,753,488

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76771987	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 1,629,813	\$ 802,744	\$ 2,432,557	\$ 3,049,257	\$ 7,844,244
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019			\$ 2,227,616	\$ -	\$ 2,227,616	\$ 129,000,000	\$ 6,909,244
	Total					\$ 3,857,429	\$ 802,744	\$ 4,660,173	\$ 132,049,257	\$ 14,753,488

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76771987	OKAY - UNARCO 69KV CKT 1	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76771987	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	6/1/2014	6/1/2019		Yes
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76771987	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Customer Study Number
GSEC AG2-2012-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	76945028	SPS	SPS	40	1/1/2015	12/31/2039	12/31/2016	11/30/2041	\$ 92,688	\$ -	\$ 92,688	\$ 348,451
									\$ 92,688	\$ -	\$ 92,688	\$ 348,451

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945028	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2016		Yes	\$ 92,688	\$ 240,000	\$ 348,451
Total						\$ 92,688	\$ 240,000	\$ 348,451

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945028	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	6/1/2019	6/1/2019		
	Hitchland 230/115/13.2 kV Transformer Ckt 2	6/1/2019	6/1/2019		
	Indiana - Stanton 115 kV Ckt 1	6/1/2019	6/1/2019		
	MULTI - Tuco-New Deal 345 kV	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945028	Mustang to Shell CO2 115 kV	6/1/2015	12/31/2016		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
76945028	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

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

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

Customer Study Number
GSEC AG2-2012-020

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	76945034	SPS	SPS	15	1/1/2015	12/31/2039	12/31/2016	11/30/2041	\$ 55,680	\$ -	\$ 55,680	\$ 209,323
									\$ 55,680	\$ -	\$ 55,680	\$ 209,323

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945034	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2016		Yes	\$ 55,680	\$ 240,000	\$ 209,323
Total						\$ 55,680	\$ 240,000	\$ 209,323

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945034	Carlisle Interchange - Wolfforth Interchange 230 kv Ckt 1	6/1/2019	6/1/2019		
	Hitchland 230/115/13.2 kv Transformer Ckt 2	6/1/2019	6/1/2019		
	Indiana - Stanton 115 kv Ckt 1	6/1/2019	6/1/2019		
	MULTI - Tuco-New Deal 345 kv	6/1/2019	6/1/2019		
	YOAKUM COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945034	Mustang to Shell CO2 115 kv	6/1/2015	12/31/2016		Yes
	YOAKUM COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945034	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

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

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

Customer Study Number
GSEC AG2-2012-021

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	76945060	SPS	SPS	15	1/1/2015	12/31/2039	12/31/2016	11/30/2041	\$ 55,680	\$ -	\$ 55,680	\$ 209,323
									\$ 55,680	\$ -	\$ 55,680	\$ 209,323

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76945060	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2016		Yes	\$ 55,680	\$ 240,000	\$ 209,323
Total						\$ 55,680	\$ 240,000	\$ 209,323

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945060	Carlisle Interchange - Wolfforth Interchange 230 kv Ckt 1	6/1/2019	6/1/2019		
	Hitchland 230/115/13.2 kv Transformer Ckt 2	6/1/2019	6/1/2019		
	Indiana - Stanton 115 kv Ckt 1	6/1/2019	6/1/2019		
	MULTI - Tuco-New Deal 345 kv	6/1/2019	6/1/2019		
	YOAKUM COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945060	Mustang to Shell CO2 115 kv	6/1/2015	12/31/2016		Yes
	YOAKUM COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 1	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76945060	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		

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

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

Customer Study Number
HZN AG2-2012-018

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
HZN	76941507	WR	EES	85	1/1/2015	1/1/2020	6/1/2019	6/1/2024	\$ -	\$ 6,528,000	\$ 7,024,522	\$ 20,290,885
									\$ -	\$ 6,528,000	\$ 7,024,522	\$ 20,290,885

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76941507	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016			\$ 9,773	\$ 150,000	\$ 30,168
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	6/1/2014	6/1/2018			\$ 58,440	\$ 1,088,127	\$ 145,907
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019			\$ 6,956,309	\$ 129,000,000	\$ 20,114,810
Total						\$ 7,024,522	\$ 130,238,127	\$ 20,290,885

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76941507	IATAN - NASHUA 345KV CKT 1	1/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76941507	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	10/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	6/1/2019	6/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76941507	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76941507	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016			\$ 6,201	\$ 100,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	6/1/2015	6/1/2015			5.42%	100.00%
	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	6/1/2015	6/1/2016			\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2015	6/1/2016			\$ 9,948	\$ 180,000
	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	10/1/2019	10/1/2019			8.45%	100.00%
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016			\$ 9,724	\$ 70,000
Total						\$ 25,873	\$ 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.

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

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

Customer Study Number
 KCPS AG2-2012-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	76971296	KCPL	MPS	170	6/1/2014	6/1/2019	6/1/2018	6/1/2023	\$ 15,086,896	\$ -	\$ 15,086,896	\$ 26,375,950
									\$ 15,086,896	\$ -	\$ 15,086,896	\$ 26,375,950

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76971296	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2015	6/1/2017		Yes	\$ 5,000,000	\$ 5,000,000	\$ 9,914,589
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2015	6/1/2017		Yes	\$ 3,807,900	\$ 3,807,900	\$ 7,148,935
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2015	6/1/2017		Yes	\$ 692,100	\$ 692,100	\$ 1,106,820
	HARRISONVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2019	6/1/2019			\$ 5,355,800	\$ 5,355,800	\$ 7,851,230
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes	\$ 231,096	\$ 311,180	\$ 354,376
	Total					\$ 15,086,896	\$ 15,166,980	\$ 26,375,950

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76971296	IATAN - NASHUA 345KV CKT 1	1/1/2014	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
76971296	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	10/1/2014	6/1/2015		Yes
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	10/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	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
76971296	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76971296	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	6/1/2015	6/1/2016		No	\$ 4,873	\$ 100,000
	CLINTON - MONTROSE 161KV CKT 1 AECL	6/1/2015	6/1/2016		Yes	\$ 23,068	\$ 180,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	10/1/2014	6/1/2016		Yes	\$ 1,550	\$ 70,000
	Total					\$ 29,491	\$ 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.

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

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

Customer Study Number
KEPC AG2-2012-031

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KEPC	76970941	NPPD	WR	12	12/1/2012	10/1/2024	6/1/2019	4/1/2031	\$ 13,757	\$ -	\$ 13,757	\$ 31,038
									\$ 13,757	\$ -	\$ 13,757	\$ 31,038

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970941	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 6,199	\$ 10,387,750	\$ 13,881
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	10/1/2014	6/1/2017			\$ 934	\$ 450,000	\$ 1,799
	ST JOHN - ST JOHN 115KV CKT 1 MKEC	10/1/2014	6/1/2017			\$ 1,168	\$ 562,500	\$ 3,142
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 5,456	\$ 9,127,831	\$ 12,217
	Total					\$ 13,757	\$ 20,528,081	\$ 31,038

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970941	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	1/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kv dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kv dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kv line SPS	1/1/2014	6/1/2014		Yes
	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	1/1/2014	12/1/2014		Yes
	XFR - Thistle 345/138 kv	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970941	Cherry Co - Gentleman 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Cowskin - Westlink 69 kv Ckt 1	6/1/2014	12/1/2015		
	GOODYEAR JUNCTION - NORTHLAND 115KV CKT 1	6/1/2019	6/1/2019		
	Hoover South - Tyler 69 kv Ckt 1	6/1/2014	6/1/2014		
	Scottsbluff - Stegall 115 kv Ckt 1	1/1/2014	6/1/2018		
	Stegall 345 kv Terminal Upgrades	1/1/2014	6/1/2018		
	Stegall 345/115 kv Transformer Ckt 1	1/1/2014	6/1/2018		
	Tyler - Westlink 69 kv Ckt 1	6/1/2014	6/1/2015		
	Viola - Clearwater 138kv Ckt1	10/1/2014	6/1/2018		
	Viola - Gill 138kv Ckt1	10/1/2014	6/1/2018		
	Viola 345/138kv Transformer Ckt 1	10/1/2014	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
76970941	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	1/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	1/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2018		
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	MEDICINE LODGE - PRATT 115KV CKT 1	1/1/2014	6/15/2014		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Potter to Tolk 345 kv	1/1/2014	12/31/2018		
	Spearville 345/115/13.8kv Transformer CKT 3	6/1/2015	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
76970941	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIRCLE - RICE_CO 230KV CKT 1	10/1/2012	11/15/2012		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE_CO 115KV CKT 1	10/1/2012	4/1/2013		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE_CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970941	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes
	Jatan - Jeffrey Energy Center 345 kV KACP	10/1/2015	6/1/2019		Yes
	Jatan - Jeffrey Energy Center 345 kV WERE	10/1/2015	6/1/2019		Yes
	Mathewson 345 kV Accelerate	10/1/2015	6/1/2019		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019		Yes

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

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

Customer Study Number
KEPC AG2-2012-032

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KEPC	76970993	NPPD	SECI	2	12/1/2012	10/1/2024	1/1/2014	11/1/2025	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76970993	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970993	Cherry Co - Gentleman 345 kV Ckt1	1/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kV Ckt1	1/1/2014	1/1/2018		
	Cherry Co 345 kV Terminal Upgrades	1/1/2014	1/1/2018		
	Elm Creek to Summit 345 kV ITCGP	10/1/2014	3/1/2018		
	Elm Creek to Summit 345 kV WERE	10/1/2014	3/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970993	CIMARRON RIVER PLANT - CIMARRON RIVER TAP 115KV CKT 1	6/1/2015	6/1/2017		
	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2017		
	CUDAHY - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2017		
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76970993	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Customer Study Number
PSCM AG2-2012-022

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
PSCM	76955870	SPS	LAM345	101	3/1/2013	3/1/2018	6/1/2017	6/1/2022	\$ -	\$ 11,235,240	\$ 35,951	\$ 65,136
									\$ -	\$ 11,235,240	\$ 35,951	\$ 65,136

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76955870	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	6/1/2015	6/1/2016			\$ 35,951	\$ 240,000	\$ 65,136
Total						\$ 35,951	\$ 240,000	\$ 65,136

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76955870	CIMARRON RIVER PLANT - CIMARRON RIVER TAP 115KV CKT 1	6/1/2015	6/1/2017		Yes
	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2017		Yes
	CUDAHY - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2017		Yes
	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76955870	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Customer Study Number
SECI AG2-2012-015

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SECI	76902942	SECI	SECI	55	1/1/2014	1/1/2044	6/1/2019	6/1/2049	\$ 383,443	\$ -	\$ 383,443	\$ 1,522,982
									\$ 383,443	\$ -	\$ 383,443	\$ 1,522,982

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76902942	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	10/1/2015	6/1/2019		Yes	\$ 5,111	\$ 4,145,572	\$ 20,510
	Iatan - Jeffrey Energy Center 345 kV KACP	10/1/2015	6/1/2019		Yes	\$ 13,611	\$ 14,089,880	\$ 58,464
	Iatan - Jeffrey Energy Center 345 kV WERE	10/1/2015	6/1/2019		Yes	\$ 124,395	\$ 128,776,067	\$ 467,817
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 82,933	\$ 10,387,750	\$ 332,804
	Mathewson 345 kV Accelerate	10/1/2015	6/1/2019		Yes	\$ 3,145	\$ 2,550,731	\$ 12,621
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019		Yes	\$ 81,392	\$ 129,000,000	\$ 338,401
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	10/1/2015	6/1/2019		Yes	\$ 72,856	\$ 9,127,831	\$ 292,366
	Total					\$ 383,443	\$ 298,077,831	\$ 1,522,982

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76902942	HARPER - MILAN TAP 138KV CKT 1 #1	1/1/2014	12/1/2014		Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	1/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt OKGE	1/1/2014	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kV dbi Ckt SPS	1/1/2014	7/1/2014		Yes
	Line - Spearville - Clark County 345 kV dbi Ckt	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kV dbi Ckt WERE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt OKGE	1/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kV dbi Ckt PW	1/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kV line OKGE	1/1/2014	6/1/2014		Yes
	Line - Tuco - Woodward 345 kV line SPS	1/1/2014	6/1/2014		Yes
	XFR - Thistle 345/138 kV	1/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76902942	Cherry Co - Gentleman 345 kV Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kV Ckt1	1/1/2014	1/1/2018		Yes
	Cherry Co 345 kV Terminal Upgrades	1/1/2014	1/1/2018		Yes
	Elm Creek to Summit 345 kV ITCGP	10/1/2014	3/1/2018		Yes
	Elm Creek to Summit 345 kV WERE	10/1/2014	3/1/2018		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
76902942	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	1/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	1/1/2014	6/1/2017		Yes
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	1/1/2014	6/1/2017		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	1/1/2014	6/1/2015		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	1/1/2014	6/1/2016		Yes
	Judson Large - North Judson Large 115KV CKT 2	6/1/2015	6/1/2015		
	MEDICINE LODGE - PRATT 115KV CKT 1	1/1/2014	6/15/2014		Yes
	North Judson Large - Spearville 115KV CKT 2	6/1/2015	6/1/2015		
	Potter to Tolk 345 kV	1/1/2014	12/31/2018		Yes
	Spearville 345/115/13.8kV Transformer CKT 3	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76902942	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	Judson Large - North Judson Large 115KV CKT 2	10/1/2013	6/1/2015		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Rebuild 1 mile of 138 kV with 2-795 ACSR. Replace 36th & Lewis wavetrap & reset CTs.	6/1/2019	6/1/2019	\$ 3,049,257
AEPW	SOUTH HUDSON - TULSA SOUTHEAST 138KV CKT 1	Rebuild 1.97 miles	6/1/2019	6/1/2019	\$ 2,364,000
KACP	BIRMINGHAM - HAWTHORN 161KV CKT 1	Reconductor line with 1192 ACSR & upgrade terminal equipment for 1200 amps	6/1/2015	6/1/2017	\$ 5,000,000
KACP	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	Reconductor 3.41 miles of 4.03 mile line with 1192 ACSR from Hawthorn - Liberty South (KCPL) & upgrade terminal equipment for 2000 amps	6/1/2015	6/1/2017	\$ 3,807,900
KACP	Iatan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kV	10/1/2015	6/1/2019	\$ 14,089,880
MIDW	ST JOHN - ST JOHN 115KV CKT 1 MIDW	Replace terminal equipment	10/1/2014	6/1/2017	\$ 450,000
MIPU	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	Reconductor 0.62 miles of 4.03 mile line with 1192 ACSR & upgrade terminal equipment for 1200 amps	6/1/2015	6/1/2017	\$ 692,100
MIPU	HARRISONVILLE NORTH - RALPH GREEN 69KV CKT 1	Rebuild 8.78 miles	6/1/2019	6/1/2019	\$ 5,355,800
MIPU	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	Rebuild 3.6 miles	6/1/2015	6/1/2017	\$ 311,180
MKEC	ST JOHN - ST JOHN 115KV CKT 1 MKEC	Rebuild 0.1 miles and replace terminal equipment	10/1/2014	6/1/2017	\$ 562,500
OKGE	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub	6/1/2014	6/1/2016	\$ 150,000
OKGE	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	Build new 16 mile 345 kV line from Mathewson to Cimarron.	10/1/2015	6/1/2019	\$ 4,145,572
OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1 Accelerate	Install 2nd 500/345 kV bus tie in Ft. Smith Sub	6/1/2014	6/1/2018	\$ 1,088,127
OKGE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.	10/1/2015	6/1/2019	\$ 10,387,750
OKGE	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.	10/1/2015	6/1/2019	\$ 2,550,731
OKGE	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	Build 70.95 mile 345 kV line plus two new 345/161 kV bus ties near VBI sub and 10 miles of 161 kV line	6/1/2014	6/1/2019	\$ 129,000,000
OKGE	RATLIFF - WILDHORSE 69KV CKT 1	Replace 400amp wave trap at Ratliff substation	6/1/2014	6/1/2016	\$ 200,000
OKGE	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.	10/1/2015	6/1/2019	\$ 9,127,831
SPS	MUSTANG STATION - YOAKUM COUNTY INTERCHANGE 230KV CKT 1	Replace 800A wave trap at Yoakum	6/1/2015	6/1/2016	\$ 240,000
WERE	59TH ST - EL PASO 138KV CKT 1	Rebuild 5.78 miles	6/1/2019	6/1/2019	\$ 5,693,300
WERE	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	Rebuild 5.12 miles	6/1/2019	6/1/2019	\$ 5,043,200
WERE	CHISHOLM - MAIZEE 4 138.00 138KV CKT 1 Accelerate	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2016	\$ 106,063
WERE	Iatan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV	10/1/2015	6/1/2019	\$ 128,776,067

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)
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 #2	Replace Terminal Equipment	6/1/2019	6/1/2019
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #1	Replace Wavetrap	1/1/2014	6/1/2015
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #2	Rebuild 0.23 miles	1/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	Upgrade wave trap.	10/1/2014	6/1/2015
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	Reconductor 2.5 mile from Blue Springs South - Blue Springs East 161 kV to 795 ACSR. Upgrade substation equipment to 2000 Amps.	10/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	Reconductor 3.21 miles from Blue Springs South to Prairie Lee 161 kV to 954 ACSR.	10/1/2014	6/1/2016
MKEC	CIMARRON RIVER PLANT - CIMARRON RIVER TAP 115KV CKT 1	Rebuild 4 miles and Substation work	6/1/2015	6/1/2017
MKEC	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	Rebuild 3.37 miles and Substation work	6/1/2015	6/1/2017
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	Rebuild MKEC portion of the 5.6 mile Clearwater-Milan Tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	1/1/2014	6/1/2017
MKEC	CUDAHY - KISMET 3 115.00 115KV CKT 1	Rebuild 32 miles and Substation work	6/1/2015	6/1/2017
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	Reconductor 22.1 mile Harper to Milan Tap 138 kV line.	1/1/2014	6/1/2017
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 - PRATT 115KV CKT 1	Rebuild 26 mile line	1/1/2014	6/15/2014
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 345/115/13.8kV Transformer CKT 3	Install 345/115/13.8kV Transformer CKT 3 at Spearville	6/1/2015	6/1/2015
OKGE	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	Upgrade the Muskogee CT rating from 800 amps to 1200 amps	6/1/2014	6/1/2016
OKGE	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	Upgrade the Muskogee CT rating from 800 amps to 1200 amps	6/1/2014	6/1/2019
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Replace Transformer	6/1/2019	6/1/2019
SPS	Jones Station Bus#2 - LUBBOCK SOUTH INTERCHANGE 230KV CKT 2	Upgrade wave trap at both Jones Bus # 2 and Lubbock South Interchange	6/1/2015	6/1/2015
SPS	Mustang to Shell CO2 115 kV	Build 6.3 mile 115 kV line from Mustang to Shell CO2 Build a new 6.9 mile 115kV line between the Mustang and Shell CO2 substations.	6/1/2015	12/31/2016
SPS	Potter to Tolk 345 kV	Build 111 mile 345 kV line from Potter to Tolk. Further study analysis will be performed with regard to the SPS North-South Stability Limit to determine whether its rating may be increased based on approved SPP Expansion Plan Network Upgrades scheduled to be placed in service. Pending this analysis, the Potter - Tolk 345 kV Service Upgrade requirement will be re-evaluated.	1/1/2014	12/31/2018
SPS	YOAKUM COUNTY INTERCHANGE (I) 230/115/13.2KV TRANSFORMER CKT 1	Upgrade transformer to 250 MVA.	6/1/2019	6/1/2019
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	Rebuild Westar portion of the Clearwater-Milan tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	1/1/2014	6/1/2017
WERE	Evans Energy Center North - Maize 138kV ckt 1 #1	Upgrade disconnect switches, wavetrap, breaker, and jumper to at least 413 MVA Summer Rate B.	6/1/2015	6/1/2015
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, pol	41791	43252

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	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	Rebuild and reconductor 11.1-mile 161 kV line from Chamber Springs to Farmington REC with 2-959.6 ACSR/TW. Upgrade wavetraps, CT ratios, and relay settings at Chamber Springs.	6/1/2019	6/1/2019
ITCGP	Line - Clark County - Thistle 345 kV dbl Ckt	Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle 345 kV substation to the new Clark County substation. Build a new 345 kV substation at Thistle with a ring bus and necessary terminal equipment.	1/1/2014	1/1/2015
ITCGP	Line - Spearville - Clark County 345 kV dbl Ckt	Build a new 36 mile double circuit 345 kV line with at least 3000 A capacity from the Spearville substation to the new Clark County substation. Build the Clark County 345 kV substation with a ring bus and necessary terminal equipment.	1/1/2014	1/1/2015
ITCGP	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation.	1/1/2014	1/1/2015
KACP	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from Iatan to Nashua, Add Nashua 345/161 kV	1/1/2014	6/1/2015
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	Tear down and rebuild of existing South Hays - Hays Plant 115 kV line. Tentative plans include rebuilding on existing right-of-way with the possibility of re-routing a portion of the line to new right-of-way as necessary.	1/1/2014	6/1/2015
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1	Replace Wave Trap at Harper Substation	1/1/2014	12/1/2014
OKGE	Line - Hitchland - Woodward 345 kV dbl Ckt OKGE	Build a new 92 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the SPS interception from the Hitchland substation. Upgrade the Woodward District EHV substation with the necessary breakers and term	1/1/2014	7/1/2014
OKGE	Line - Thistle - Woodward 345 kV dbl Ckt OKGE	Build a new 79 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the Kansas/Oklahoma state border towards the Thistle substation. Upgrade the Woodward District EHV substation with the necessary brea	1/1/2014	1/1/2015
OKGE	Line - Tuco - Woodward 345 kV line OKGE	Build new 345 kV line from Woodward EHV to Border - Project costs now include Border reactor substation	1/1/2014	6/1/2014
PW	Line - Thistle - Wichita 345 kV dbl Ckt PW	Build a new 78 mile double circuit 345 kV line with at least 3000 A capacity from the Wichita substation to the new Thistle 345 kV substation.	1/1/2014	1/1/2015
PW	Line - Thistle - Woodward 345 kV dbl Ckt PW	Build a new 30 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle substation to the Kansas/Oklahoma state border towards the Woodward District EHV substation.	1/1/2014	1/1/2015
SPS	Cox Interchange - Kiser 115 kV Ckt 1 #2	Build new 8.7-mile 115 kV line from Cox to new Kiser substation.	1/1/2014	2/28/2014
SPS	Kiser Substation 115/69 kV Ckt 1	Build new substation at Kiser and install a 115/69 kV transformer and 69 kV terminal equipment to connect to the local 69 kV system.	1/1/2014	2/28/2014
SPS	Kress Interchange - Kiser 115 kV Ckt 1	Build new 22-mile 115 kV line from Kress Interchange to new Kiser substation.	1/1/2014	11/30/2014
SPS	Line - Hitchland - Woodward 345 kV dbl Ckt SPS	Build 30 mile double circuit 345 kV line with at least 3000 A capacity from the Hitchland substation to the OGE interception point from the Woodward District EHV substation. Upgrade the Hitchland substation with the necessary breakers and terminal equipme	1/1/2014	7/1/2014
SPS	Line - Tuco - Woodward 345 kV line SPS	Build new 345 kV line from Tuco to OGE Border station near TX/OK Stateline. Install line reactor outside Border station and line reactors at Tuco.	1/1/2014	6/1/2014
WERE	Line - Thistle - Wichita 345 kV dbl Ckt WERE	Upgrade the Wichita substation with the necessary breakers and terminal equipment to accommodate two new 345 kV circuits from the new Thistle 345 kV substation	1/1/2014	1/1/2015
WERE	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	Install second 138/115 kV transformer at Moundridge. Operate both 138/115 kV transformers normally closed.	1/1/2014	12/1/2014

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	Rebuild 4.76 Miles	6/1/2019	6/1/2019
AEPW	Multi - Centerton - Osage Creek 345 kV	Install new 345/161 kV transformer at Kings River (Previous name Osage Creek); Install 9 miles of 345 kV line from Shipe Road to East Rogers; Install 32 miles of 345 kV line from East Rogers to Kings River (previous Osage Creek).	6/1/2014	6/1/2016
AEPW	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	Install 9 miles of 161 kV from new Shipe Road Substation to East Centerton Substation; Install 345/161 kV transformer at Shipe Road; Install 18 miles of new 345 kV, 2-954 ACSR line.	6/1/2014	6/1/2014
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Remove limiting Element, Line Switches 1200A increase to 2000A	6/1/2019	6/1/2019
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 #2	Replace Terminal Equipment	6/1/2019	6/1/2019
GRDA	OKAY - UNARCO 69KV CKT 1	Remove the line clearance violations to increase the rating to 223MVA for Summer/Winter, Normal/Emergency	6/1/2016	6/1/2016
GRDA	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	Reconductor line to 1590 ACSR, A = 347, B = 403. \$255K/mile @ 4.2 mi.	6/1/2019	6/1/2019
ITCGP	Elm Creek to Summit 345 kV ITCGP	Build new 345 kV line from Elm Creek to Summit (ITCGP portion), Install new 345/230 kV transformer at Elm Creek.	10/1/2014	3/1/2018
NPPD	Cherry Co - Gentleman 345 kV Ckt1	Build new 345 kV Transmission Line from GGS 345 kV Substation to a new Cherry County 345 kV Substation (76 miles).	1/1/2014	1/1/2018
NPPD	Cherry Co - Holt Co 345 kV Ckt1	Build new 345 kV Transmission Line from new Cherry County 345 kV Substation to new 345 kV Holt County Substation. (Estimated 146 miles).	1/1/2014	1/1/2018
NPPD	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.	1/1/2014	1/1/2018
NPPD	Scottsbluff - Stegall 115 kV Ckt 1	Install new 22-mile 115 kV line from Stegall - Scottsbluff and install necessary terminal equipment. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	1/1/2014	6/1/2018
NPPD	Stegall 345 kV Terminal Upgrades	Install necessary terminal equipment at the 345 kV bus in Stegall substation. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	1/1/2014	6/1/2018
NPPD	Stegall 345/115 kV Transformer Ckt 1	Install new 345/115 kV 400 MVA transformer at Stegall substation and necessary terminal equipment at the 115 kV bus. This upgrade is contingent upon approval from Basin Electric to connect to the Stegall 345 kV substation that they operate.	1/1/2014	6/1/2018
SPS	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	Build 15 miles of new 230 kV line from Carlisle to Wolfforth South and install necessary terminal equipment.	6/1/2019	6/1/2019
SPS	Hitchland 230/115/13.2 kV Transformer Ckt 2	Build a second 230/115/13.2 kV transformer at Hitchland.	6/1/2019	6/1/2019
SPS	Indiana - Stanton 115 kV Ckt 1	Reconductor 1.5 miles line from Indiana to Stanton.	6/1/2019	6/1/2019
SPS	MULTI - Tuco-New Deal 345 kV	New 345/155kV transformer between Tuco and Stanton, Build new 345kV line between Tuco and high side of new transformer between Tuco and Stanton, Build new 115kV line between Stanton and low side of new transformer between Tuco and Stanton	6/1/2019	6/1/2019
SPS	YOAKUM COUNTY INTERCHANGE () 230/115/13.2KV TRANSFORMER CKT 2	Upgrade transformer to 250 MVA.	6/1/2019	6/1/2019
WERE	Cowskin - Westlink 69 kV Ckt 1	Rebuild 2.1-mile 69 kV line from Cowskin to Westlink.	6/1/2014	12/1/2015
WERE	Elm Creek to Summit 345 kV WERE	Build new 345 kV line from Elm Creek to Summit (Westar portion).	10/1/2014	3/1/2018
WERE	GOODYEAR JUNCTION - NORTHLAND 115KV CKT 1	Rebuild 3.44 miles and replace buses and jumper to at least 187 MVA Summer Rate B	6/1/2019	6/1/2019
WERE	Hoover South - Tyler 69 kV Ckt 1	Rebuild 1.96-mile 69 kV line from Tyler to Hoover.	6/1/2014	6/1/2014
WERE	Tyler - Westlink 69 kV Ckt 1	Rebuild 2.65-mile 69 kV line from Westlink to Tyler. Install terminal equipment at Tyler.	6/1/2014	6/1/2015
WERE	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.	10/1/2014	6/1/2018
WERE	Viola - Gill 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Gill 138 kV substation.	10/1/2014	6/1/2018
WERE	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation	10/1/2014	6/1/2018

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BANN - RED SPRINGS REC 138KV CKT 1	Replace 138 kV breakers 3300 & 3310	7/1/2012	7/1/2012
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	7/1/2012	7/1/2012
AEPW	MCNAB REC - TURK 115KV CKT 1	Build a new two mile, 138 kV, 1590 ACSR line section (operated at 115 kV) from Turk Substation to the existing Okay- Hope 115 kV line to form a Turk - Hope 115 kV line.	7/1/2012	7/1/2012
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
MIDW	CIRCLE - RICE_CO 230KV CKT 1	Convert from 115kV to 230kV operation	10/1/2012	11/15/2012
MIDW	LYONS - RICE_CO 115KV CKT 1	Rebuild 11.7 mile line	10/1/2012	4/1/2013
MIDW	RICE_CO 230/115KV TRANSFORMER CKT 1	Add 230/115kV Transformer	10/1/2012	11/15/2012
MKEC	ALEXANDER - PRATT 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER - MEDICINE LODGE 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER - SAWYER 115KV CKT 1	Rebuild line	12/1/2009	6/1/2013
MKEC	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	Upgrade transformer	12/1/2009	6/1/2013
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	6/1/2011	6/1/2013
MKEC	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	Rebuild 8.05 mile line	12/1/2009	6/1/2013
MKEC	FLATRDG3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	12/1/2009	6/1/2013
MKEC	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	Rebuild 43.5% Ownership of 20.9 miles	6/1/2013	6/1/2013
MKEC	Judson Large - North Judson Large 115KV CKT 2	Construct approximately 1 mile of new 115kV for 2nd circuit	10/1/2013	6/1/2015
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kV for 2nd circuit	10/1/2013	6/1/2015
MKEC	Spearville 345/115/13.8kV Transformer CKT 3	Install 345/115/13.8kV Transformer CKT 3 at Spearville	10/1/2013	6/1/2015
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2014	6/1/2016
OKGE	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	Build 138kV Terminal.	1/1/2012	1/1/2012
OKGE	NORTHWEST - TATONGA 345KV CKT 1	Build 345 kV line	1/1/2010	1/1/2010
OKGE	TATONGA - WOODWARD 345KV CKT 1	Build 345 kV line	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 1	Build .5 miles of 138 kV and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kV XF	1/1/2010	1/1/2010
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap at Harrington East	6/1/2015	6/1/2015
WERE	LYONS - WHEATLAND 115KV CKT 1 #1	Replace CTs	10/1/2012	7/15/2013
WERE	LYONS - WHEATLAND 115KV CKT 1 #2	Rerate circuit to 1000 amps	10/1/2012	7/15/2013
WFEC	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	Build approximately 6 miles of 138kV.	1/1/2012	1/1/2012
WFEC	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	New 19 miles 345 KV	7/1/2012	7/1/2012

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	7JASPER 345.00 - BLACKBERRY 345KV CKT 1 #1	Replace structures to rerate to 100C	6/1/2015	6/1/2016	\$ 100,000
AECI	CLINTON - MONTROSE 161KV CKT 1 AECI	Upgrade limiting terminal equipment at Clinton	6/1/2015	6/1/2016	\$ 180,000
EES	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	NORTH SLIDELL - SLIDELL 230KV CKT 1 EES	Indeterminate	10/1/2019	10/1/2019	Indeterminate
SWPA	BUFORD 5 161.00 - BULL SHOALS 161KV CKT 1 Upgrade #1	Replace one structure and make two structures floating deadends	6/1/2015	6/1/2016	Note 1
SWPA	BUFORD 5 161.00 - NORFORK 161KV CKT 1 Upgrade #1	Replace two structures	6/1/2015	6/1/2016	Note 1
SWPA	CLAY - SPRINGFIELD 161KV CKT 1 SWPA #2	Replace four structures	10/1/2014	6/1/2016	\$ 200,000
SWPA	MORGAN - STOCKTON 161KV CKT 1	Replace Jumpers on the Stockton substation	6/1/2016	6/1/2016	\$ 155,000
SWPA	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	Replace wave trap and CTs at Truman.	10/1/2014	6/1/2016	\$ 70,000

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