



Aggregate Facility Study SPP-2013-AG3-AFS-1

11/26/2013

SPP Engineering, SPP Transmission Service Studies



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Executive Summary

Pursuant to Attachment Z1 of the Southwest Power Pool, Inc. (SPP) Open Access Transmission Tariff (OATT), 2889 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 \$72 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 \$164 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 November 26, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), SPP must receive from the Customer by December 11, 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 October 1, 2013 for 2013-AG3 have been included in this third Aggregate Transmission Service Study (ATSS) of 2013.

Approximately 2889 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$164 billion in transmission upgrades is proposed. The results of the AFS are detailed in Tables 1 through 6. Detailed results depict individual upgrade costs by study and potential base plan allowances determined by Attachments J and Z1. The [OATT](#) may be accessed at SPP's website by going to [SPP.org>Org Groups>Governing Documents](#).

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

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

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

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

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

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

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

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

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

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

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

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

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

Financial Analysis

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

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

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

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

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

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

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

Third-Party Facilities

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

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

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

Study Methodology

Description

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

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

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

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

Model Development

SPP used six seasonal models to study the aggregate transfers of 2889 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2013 Cases were used to study the impact of the requested service on the transmission system:

- 2014 Summer Peak (14SP)
- 2014/15 Winter Peak (14WP)
- 2018 Summer Peak (18SP)

2018/19 Winter Peak (18WP)
2023 Summer Peak (23SP)
2023/24 Winter Peak (23WP)

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

The chosen base case models were modified to reflect the current modeling information. One group of requests was developed from the aggregate of 2889 MW to model the requested service. From the six seasonal models, two system scenarios were developed. Scenario 0 includes projected usage of transmission included in the SPP 2013 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2013 Series Cases.

Transmission Request Modeling

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

Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or impacted by the transfer. Transfer distribution factor cutoffs (SPP and 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 6b 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 November 26, 2013. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer) by December 11, 2013, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASE SETTINGS:

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

ACCC CASE SETTINGS:

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

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispach	Deferred Stop Date without interim redispach	Start Date with interim redispach	Stop Date with interim redispach	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AECC	2013-AG3-001	78754116	OKGE	CSWS	150	7/1/2014	7/1/2019	6/1/2019	6/1/2024	7/1/2014	7/1/2019	0	18SP
AECC	2013-AG3-002	78754144	OKGE	OKGE	150	7/1/2014	7/1/2019	6/1/2019	6/1/2024	7/1/2014	7/1/2019	0	18SP
AEPM	2013-AG3-003	78775996	OKGE	CSWS	200	1/1/2016	1/1/2036	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
AEPM	2013-AG3-004	78776033	SPS	CSWS	200	1/1/2016	1/1/2036	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
AEPM	2013-AG3-005	78776041	OKGE	CSWS	199	1/1/2016	1/1/2036	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
ETEC	2013-AG3-006	78774012	CSWS	CSWS	31	1/1/2015	1/1/2024	6/1/2017	6/1/2026	1/1/2015	1/1/2024	0	18SP
GRDX	2013-AG3-007	78753946	CSWS	GRDA	136	10/1/2015	10/1/2020	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
GRDX	2013-AG3-008	78773345	MPS	GRDA	240	4/1/2016	4/1/2021	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
GRDX	2013-AG3-009	78773355	MPS	GRDA	100	4/1/2016	4/1/2021	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
KCPS	2013-AG3-010	78754801	SECI	KCPL	100	7/1/2014	1/1/2035	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	18SP
KCPS	2013-AG3-011	78754805	SECI	KCPL	50	7/1/2014	1/1/2035	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	18SP
KCPS	2013-AG3-012	78754806	SECI	KCPL	50	7/1/2014	1/1/2035	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	18SP
KCPS	2013-AG3-013	78754851	WR	KCPL	50	1/1/2018	1/1/2038	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
KCPS	2013-AG3-014	78754858	WR	KCPL	50	1/1/2018	1/1/2038	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
KCPS	2013-AG3-015	78754861	WR	KCPL	100	1/1/2018	1/1/2038	6/1/2019	6/1/2039	6/1/2019	6/1/2039	0	23SP
KCPS	2013-AG3-016	78758401	WR	KCPL	50	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
KCPS	2013-AG3-017	78764630	WR	KCPL	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
KCPS	2013-AG3-018	78764633	WR	KCPL	51	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
KMEA	2013-AG3-019	78775362	NPPD	WPEK	1	4/1/2014	5/1/2025	6/1/2019	7/1/2030	6/1/2019	7/1/2030	0	14SP
KMEA	2013-AG3-020	78776321	NPPD	WPEK	3	4/1/2014	5/1/2025	6/1/2019	7/1/2030	6/1/2019	7/1/2030	0	14SP
LESM	2013-AG3-021	78773742	OKGE	LES	100	11/26/2015	11/26/2020	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	23SP
OGE	2013-AG3-024	78759765	OKGE	OKGE	16	10/1/2014	6/1/2030	10/1/2014	6/1/2030	10/1/2014	6/1/2030	0	18SP
OMPA	2013-AG3-025	78697838	OKGE	OKGE	4	10/1/2014	12/1/2040	10/1/2014	12/1/2040	10/1/2014	12/1/2040	0	18SP
SECI	2013-AG3-026	78763050	KCPL	SECI	50	1/1/2015	1/1/2045	1/1/2020	1/1/2050	6/1/2019	6/1/2049	0	18SP
SPSM	2013-AG3-027	78751808	SPS	SPS	250	12/1/2015	12/1/2035	1/1/2020	12/1/2035	1/1/2020	12/1/2035	0	23SP
TEXL	2013-AG3-028	78773933	CSWS	CSWS	50	1/1/2015	1/1/2025	6/1/2017	6/1/2027	1/1/2015	1/1/2025	0	18SP
TEXL	2013-AG3-029	78773967	CSWS	CSWS	27	1/1/2015	1/1/2030	1/1/2015	1/1/2030	1/1/2015	1/1/2030	0	18SP
UCU	2013-AG3-030	78748020	MPS	KCPL	2	5/1/2014	5/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	14SP
UCU	2013-AG3-031	78754546	MPS	MPS	50	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
UCU	2013-AG3-032	78763378	MPS	MPS	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
UCU	2013-AG3-033	78763386	MPS	MPS	51	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
UCU	2013-AG3-034	78764620	WR	MPS	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	6/1/2019	12/1/2039	0	23SP
WFEC	2013-AG3-035	78630334	WFEC	WFEC	75	7/1/2014	7/1/2029	6/1/2017	6/1/2032	6/1/2017	6/1/2032	0	18SP

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

Note 2: Start dates with and without redispach 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 redispach" 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
AEC	2013-AG3-001	78754116	\$ 17,634,000	\$ 17,634,000	\$ -		Indeterminate	\$ 30,505,990	\$ -	\$ 30,505,990
AEC	2013-AG3-002	78754144	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2013-AG3-003	78775996	\$ 596,120	\$ 596,120	\$ -		Indeterminate	\$ 3,007,890	\$ -	\$ 3,007,890
AEPM	2013-AG3-004	78776033	\$ 451,891	\$ 451,891	\$ -		Indeterminate	\$ 2,266,601	\$ -	\$ 2,266,601
AEPM	2013-AG3-005	78776041	\$ 445,719	\$ 445,719	\$ -		Indeterminate	\$ 2,192,912	\$ -	\$ 2,192,912
ETEC	2013-AG3-006	78774012	\$ 462	\$ -	\$ 462		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
GRDX	2013-AG3-007	78753946	\$ 41,363,639	\$ 41,363,640	\$ -		Indeterminate	\$ 102,399,100	\$ -	\$ 102,399,100
GRDX	2013-AG3-008	78773345	\$ 5,075,373	\$ 5,075,373	\$ -		Indeterminate	\$ 11,222,620	\$ -	\$ 11,222,620
GRDX	2013-AG3-009	78773355	\$ 2,114,740	\$ 2,114,740	\$ -		Indeterminate	\$ 4,676,096	\$ -	\$ 4,676,096
KCPS	2013-AG3-010	78754801	\$ 82,596	\$ 82,596	\$ -		Indeterminate	\$ 440,101	\$ -	\$ 440,101
KCPS	2013-AG3-011	78754805	\$ 41,298	\$ 41,298	\$ -		Indeterminate	\$ 220,050	\$ -	\$ 220,050
KCPS	2013-AG3-012	78754806	\$ 41,298	\$ 41,298	\$ -		Indeterminate	\$ 220,050	\$ -	\$ 220,050
KCPS	2013-AG3-013	78754851	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KCPS	2013-AG3-014	78754858	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KCPS	2013-AG3-015	78754861	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KCPS	2013-AG3-016	78758401	\$ -	\$ -	\$ -	6.8	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KCPS	2013-AG3-017	78764630	\$ -	\$ -	\$ -	6.8	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KCPS	2013-AG3-018	78764633	\$ -	\$ -	\$ -	6.8	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2013-AG3-019	78775362	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2013-AG3-020	78776321	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
LESM	2013-AG3-021	78773742	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
OGE	2013-AG3-024	78759765	\$ 8,915	\$ -	\$ 8,915		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
OMPA	2013-AG3-025	78697838	\$ 2,365	\$ -	\$ 2,365		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
SECI	2013-AG3-026	78763050	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
SPSM	2013-AG3-027	78751808	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
TEXL	2013-AG3-028	78773933	\$ 11,558	\$ -	\$ 11,558		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
TEXL	2013-AG3-029	78773967	\$ 3,467	\$ -	\$ 3,467		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
UCU	2013-AG3-030	78748020	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
UCU	2013-AG3-031	78754546	\$ 399,182	\$ -	\$ 399,182	7.8	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
UCU	2013-AG3-032	78763378	\$ 806,347	\$ -	\$ 806,347	7.8	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
UCU	2013-AG3-033	78763386	\$ 407,165	\$ -	\$ 407,165	7.8	\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
UCU	2013-AG3-034	78764620	\$ 778,505	\$ -	\$ 778,505	6.8	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
WFEC	2013-AG3-035	78630334	\$ 1,814,634	\$ 1,814,634	\$ -		\$ -	\$ 6,551,453	\$ -	\$ 6,551,453
Grand Total			\$ 72,079,274		\$ 2,415,601			\$ 163,709,312		

Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C allocation of expedited projects. Letter of Credit is required for upgrades assigned to PTP requests. The amount of the letter of credit will be adjusted down on an annual basis to reflect cost recovery based on revenue allocation. This letter of credit is not required for those facilities that are fully base plan funded. The Letter Of Credit Amount listed is based on meeting OATT Attachment J requirements for base plan funding.

Note 2: If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if Point-to-Point base rate exceeds revenue requirements.

Note 3: Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided RR in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects. A present worth analysis of RR on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan RR due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The incremental increase in present worth of a Requested Upgrade on a common year basis as a Base Plan upgrade is assigned to the transmission requests impacting the upgrade based on the displacement or deferral. If the displacement analysis results in lower RR due to the shorter amortization period of the requested upgrade when compared to a base plan amortization period, then no direct assignment of the upgrade cost is made due to the displacement to an earlier start date.

Note 4: For Point-to-Point requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits can be paid from base plan funding if applicable.

Note 5: RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.

Note 6: OASIS requests 78758401, 78764630, and 78764633 are mutually exclusive with OASIS request 78764620. System impacts were identified by only modeling OASIS requests 78758401 and 78764633.

Note 7: OASIS requests 78754546 and 78763378 are mutually exclusive with OASIS request 78763386. System impacts were identified by only modeling mutually exclusive requests 78754546 and 78763378.

Note 8: ATSS cost allocation includes all customers' mutually exclusive requests in SPP-2013-AG3.

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

Customer Study Number
AECC 2013-AG3-001

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
AECC	78754116	OKGE	CSWS	150	7/1/2014	7/1/2019	6/1/2019	6/1/2024	\$ -	\$ -	\$ 17,634,000	\$ 30,505,992
									\$ -	\$ -	\$ 17,634,000	\$ 30,505,992

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
78754116	CARTCO4 138.00 - POOLEVILLE 138KV CKT 1	7/1/2014	6/1/2017		Yes	\$ -	\$ 615,000	\$ 615,000	\$ 615,000	\$ 1,060,232
	CARTCO4 138.00 - SUNNYSIDE 138KV CKT 1	7/1/2014	6/1/2017		Yes	\$ -	\$ 16,359,000	\$ 16,359,000	\$ 16,359,000	\$ 28,202,160
	DILLARD4 - HEALDTON TAP 138KV CKT 1	7/1/2014	6/1/2016		Yes	\$ -	\$ 330,000	\$ 330,000	\$ 330,000	\$ 621,800
	DUNDEE - HEALDTON TAP 138KV CKT 1	7/1/2014	6/1/2016		Yes	\$ -	\$ 330,000	\$ 330,000	\$ 330,000	\$ 621,800
					Total	\$ -	\$ 17,634,000	\$ 17,634,000	\$ 17,634,000	\$ 30,505,992

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
78754116	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	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
78754116	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 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		

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
78754116	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		Yes
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	7/1/2014	6/1/2018		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		Yes
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	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
78754116	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	7/1/2012	7/1/2012		
	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	7/1/2012	7/1/2012		
	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	7/1/2012	7/1/2012		
	MANDEVILTP4 - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	OKAY - TURK 138KV CKT 1	7/1/2012	7/1/2012		
	SUGAR HILL - TURK 138KV CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78754116	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2015	10/1/2015			20.84%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		Yes	\$ 1,691,403	\$ 12,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015		Yes	\$ -	\$ -
	FITZHUGH - OZARK 161KV CKT 1	7/1/2014	6/1/2017		Yes	\$ 350,000	\$ 350,000
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		Yes	4.97%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		Yes	14.10%	100.00%
					Total	\$ 2,041,403	\$ 12,350,000

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

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

*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
 AECC 2013-AG3-002

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
AECC	78754144	OKGE	OKGE	150	7/1/2014	7/1/2019	6/1/2019	6/1/2024	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78754144	None					\$ -	\$ -	\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 **Reservation 78754144 studied as reesevation 78754116

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

Customer Study Number
AEPM 2013-AG3-003

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
AEPM	78775996	OKGE	CSWS	200	1/1/2016	1/1/2036	6/1/2019	6/1/2039	\$ -	\$ -	\$ 596,120	\$ 3,007,890
									\$ -	\$ -	\$ 596,120	\$ 3,007,890

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	
78775996	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 540,644	\$ 540,644	\$ 2,194,544	\$ 2,841,707	
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 55,476	\$ 55,476	\$ 225,000	\$ 166,183	
						Total	\$ -	\$ 596,120	\$ 596,120	\$ 2,419,544	\$ 3,007,890

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
78775996	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78775996	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 161KV CKT 1	6/1/2019	6/1/2019		
	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		No
	ELK CITY - RED HILLS WIND 138KV CKT 1	1/1/2016	6/1/2017		Yes
	Elk City 345/230 kv	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	12/1/2015	3/1/2018		No
	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		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138KV Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78775996	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		Yes
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ACCELERATE	10/1/2015	6/1/2017		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	7/1/2014	6/1/2018		
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	1/1/2016	1/1/2016		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	Potter to Talk 345 kv	12/1/2015	6/1/2019		No
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78775996	BELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78775996	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2015	10/1/2015			19.89%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 1,989,886	\$ 12,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			-	-
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	12.72%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	16.58%	100.00%
					Total	\$ 1,989,886	\$ 12,000,000

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

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

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

Customer Study Number
 AEPM 2013-AG3-004

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	78776033	SPS	CSWS	200	1/1/2016	1/1/2036	6/1/2019	6/1/2039	\$ -	\$ -	\$ 451,891	\$ 2,266,601
									\$ -	\$ -	\$ 451,891	\$ 2,266,601

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
78776033	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 403,847	\$ 403,847	\$ 2,194,544	\$ 2,122,681
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 48,044	\$ 48,044	\$ 225,000	\$ 143,920
Total						\$ -	\$ 451,891	\$ 451,891	\$ 2,419,544	\$ 2,266,601

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
78776033	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776033	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 161KV CKT 1	6/1/2019	6/1/2019		
	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		No
	Elk City 345/230 kv	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	12/1/2015	3/1/2018		No
	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		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Optima 345/115 kv	1/1/2016	6/1/2019		No
	Viola - Clearwater 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776033	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		Yes
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ACCELERATE	10/1/2015	6/1/2017		Yes
	Beaver County Substation Expansion	1/1/2016	6/1/2018		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	7/1/2014	6/1/2018		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	Potter to Talk 345 kv	12/1/2015	6/1/2019		No
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78776033	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78776033	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2015	10/1/2015			18.98%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 1,917,594	\$ 12,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			-	-
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	12.44%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	15.98%	100.00%
					Total	\$ 1,917,594	\$ 12,000,000

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

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

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

Customer Study Number
 AEPM 2013-AG3-005

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
AEPM	78776041	OKGE	CSWS	199	1/1/2016	1/1/2036	6/1/2019	6/1/2039	\$ -	\$ -	\$ 445,719	\$ 2,192,912	
										\$ -	\$ -	\$ 445,719	\$ 2,192,912

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	
78776041	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 379,428	\$ 379,428	\$ 2,194,544	\$ 1,994,331	
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 66,291	\$ 66,291	\$ 225,000	\$ 198,580	
						Total	\$ -	\$ 445,719	\$ 445,719	\$ 2,419,544	\$ 2,192,912

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
78776041	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776041	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 161KV CKT 1	6/1/2019	6/1/2019		
	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		No
	ELK CITY - RED HILLS WIND 138KV CKT 1	1/1/2016	6/1/2017		Yes
	Elk City 345/230 kv	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv AEPW	12/1/2015	3/1/2018		No
	Elk City to Gracemont 345kv OKGE	12/1/2015	3/1/2018		No
	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		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138KV Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776041	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ACCELERATE	10/1/2015	6/1/2017		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	7/1/2014	6/1/2018		
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	1/1/2016	1/1/2016		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	Potter to Tolk 345 kv	12/1/2015	6/1/2019		No
	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78776041	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER 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
78776041	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2015	10/1/2015			23.95%	100.00%
	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 2,312,151	\$ 12,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			\$ -	\$ -
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	11.72%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	19.27%	100.00%
					Total	\$ 2,312,151	\$ 12,000,000

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

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

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

Customer Study Number
 ETEC 2013-AG3-006

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
ETEC	78774012	CSWS	CSWS	31	1/1/2015	1/1/2024	6/1/2017	6/1/2026	\$ 462	\$ -	\$ 462	\$ 926
									\$ 462	\$ -	\$ 462	\$ 926

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78774012	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 462	\$ 225,000	\$ 926
Total						\$ 462	\$ 225,000	\$ 926

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
78774012	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	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
78774012	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 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		

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
78774012	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78774012	BEE LINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	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
78774012	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			\$ -	\$ -
	GRIMES 345/138KV TRANSFORMER CKT 1	1/1/2015	1/1/2015			26.11%	100.00%
Total						\$ -	\$ -

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

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

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

Customer Study Number
GRDX 2013-AG3-007

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	
GRDX	78753946	CSWS	GRDA	136	10/1/2015	10/1/2020	6/1/2019	6/1/2024	\$ -	\$ -	\$ 41,363,639	\$ 102,399,148	
										\$ -	\$ -	\$ 41,363,639	\$ 102,399,148

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
78753946	40OLOGAH 138.00 - CLAREMORE 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 1,360,010	\$ 1,360,010	\$ 3,828,375	\$ 2,759,898
	40OLOGAH 138.00 - NORTHEAST STATION 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 538,329	\$ 538,329	\$ 1,515,375	\$ 1,092,443
	DOMES - MOUND ROAD 138KV CKT 1	10/1/2015	6/1/2017		Yes	\$ -	\$ 27,180,000	\$ 27,180,000	\$ 27,180,000	\$ 67,984,681
	DOMES - PAWHUSKA TAP 138KV CKT 1	10/1/2015	6/1/2017		Yes	\$ -	\$ 11,480,000	\$ 11,480,000	\$ 11,480,000	\$ 28,714,648
	STILLWATER KINZIE (KINAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ -	\$ 805,300	\$ 805,300	\$ 3,150,000	\$ 1,847,478
						Total	\$ -	\$ 41,363,639	\$ 47,153,750	\$ 102,399,148

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
78753946	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ACCELERATE	10/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019		No
	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	6/1/2015	6/1/2017		Yes
	SHIDLER - WEST PAWHUSKA 138KV CKT 1	6/1/2015	6/1/2017		Yes
	TERRA NITROGEN TAP - VERDIGRIS 138KV CKT 1	6/1/2019	6/1/2019		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78753946	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		

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
78753946	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost	
78753946	Fairfax 138/69kV transformer ckt 1	10/1/2015	6/1/2017		No	\$ 2,200,000	\$ 2,200,000	
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	3.18%	100.00%	
	Remington - Fairfax 138KV ckt 1	10/1/2015	6/1/2017		No	\$ 400,000	\$ 400,000	
						Total	\$ 2,600,000	\$ 2,600,000

*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 2013-AG3-008

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	
GRDX	78773345	MPS	GRDA	240	4/1/2016	4/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 5,075,373	\$ 11,222,624	
										\$ -	\$ -	\$ 5,075,373	\$ 11,222,624

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78773345	40OLOGAH 138.00 - CLAREMORE 138KV CKT 1	6/1/2019	6/1/2019			\$ 1,742,376	\$ 3,828,375	\$ 3,535,841
	40OLOGAH 138.00 - NORTHEAST STATION 138KV CKT 1	6/1/2019	6/1/2019			\$ 689,680	\$ 1,515,375	\$ 1,399,583
	KINZE - MCELROY 138KV CKT 1	4/1/2016	6/1/2017		Yes	\$ 988,235	\$ 1,400,000	\$ 2,490,196
	STILLWATER KINZIE (KINAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 1,655,082	\$ 3,150,000	\$ 3,797,004
Total						\$ 5,075,373	\$ 9,893,750	\$ 11,222,624

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
78773345	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773345	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773345	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78773345	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	16.99%	100.00%
	MORGAN - STOCKTON 161KV CKT 1	6/1/2015	6/1/2016		Yes	\$ -	\$ -
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	4/1/2016	6/1/2016		Yes	\$ -	\$ -
Total						\$ -	\$ -

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

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

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

Customer Study Number
GRDX 2013-AG3-009

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	
GRDX	78773355	MPS	GRDA	100	4/1/2016	4/1/2021	6/1/2019	6/1/2024	\$ -	\$ -	\$ 2,114,740	\$ 4,676,096	
										\$ -	\$ -	\$ 2,114,740	\$ 4,676,096

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78773355	40OLOGAH 138.00 - CLAREMORE 138KV CKT 1	6/1/2019	6/1/2019			\$ 725,990	\$ 3,828,375	\$ 1,473,267
	40OLOGAH 138.00 - NORTHEAST STATION 138KV CKT 1	6/1/2019	6/1/2019			\$ 287,367	\$ 1,515,375	\$ 583,160
	KINZE - MCELROY 138KV CKT 1	4/1/2016	6/1/2017		Yes	\$ 411,765	\$ 1,400,000	\$ 1,037,583
	STILLWATER KINZIE (KINAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2019	6/1/2019			\$ 689,618	\$ 3,150,000	\$ 1,582,086
Total						\$ 2,114,740	\$ 9,893,750	\$ 4,676,096

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
78773355	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	7/1/2014	6/1/2016		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773355	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773355	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78773355	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	7.08%	100.00%
	MORGAN - STOCKTON 161KV CKT 1	6/1/2015	6/1/2016		Yes	\$ -	\$ -
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	4/1/2016	6/1/2016		Yes	\$ -	\$ -
Total						\$ -	\$ -

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

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

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

Customer Study Number
 KCPS 2013-AG3-010

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
KCPS	78754801	SECI	KCPL	100	7/1/2014	1/1/2035	6/1/2019	12/1/2039	\$ -	\$ -	\$ 82,596	\$ 440,101
									\$ -	\$ -	\$ 82,596	\$ 440,101

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
78754801	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 82,596	\$ 82,596	\$ 2,194,544	\$ 440,101
						Total	\$ -	\$ 82,596	\$ 2,194,544	\$ 440,101

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754801	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		Yes
	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754801	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754801	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	7/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	7/1/2014	6/1/2017		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	7/1/2014	7/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	7/1/2014	6/1/2017		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018		Yes
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018		Yes
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	7/1/2014	6/1/2016		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78754801	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		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754801	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78754801	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 484,802	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	4.04%	100.00%
					Total	\$ 484,802	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-011

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
KCPS	78754805	SECI	KCPL	50	7/1/2014	1/1/2035	6/1/2019	12/1/2039	\$ -	\$ -	\$ 41,298	\$ 220,050
									\$ -	\$ -	\$ 41,298	\$ 220,050

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
78754805	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 41,298	\$ 41,298	\$ 2,194,544	\$ 220,050
						Total	\$ -	\$ 41,298	\$ 41,298	\$ 2,194,544

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
78754805	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		Yes
	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754805	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754805	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	7/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	7/1/2014	6/1/2017		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	7/1/2014	7/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	7/1/2014	6/1/2017		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018		Yes
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018		Yes
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	7/1/2014	6/1/2016		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78754805	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		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754805	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78754805	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 242,401	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	2.02%	100.00%
					Total	\$ 242,401	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-012

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
KCPS	78754806	SECI	KCPL	50	7/1/2014	1/1/2035	6/1/2019	12/1/2039	\$ -	\$ -	\$ 41,298	\$ 220,050
									\$ -	\$ -	\$ 41,298	\$ 220,050

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
78754806	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 41,298	\$ 41,298	\$ 2,194,544	\$ 220,050
Total						\$ -	\$ 41,298	\$ 41,298	\$ 2,194,544	\$ 220,050

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
78754806	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		Yes
	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		Yes
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		Yes
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		Yes
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754806	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		Yes
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		Yes

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754806	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		Yes
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerate	7/1/2014	6/1/2017		Yes
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerate	7/1/2014	6/1/2017		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	7/1/2014	7/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	7/1/2014	6/1/2017		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018		Yes
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018		Yes
	ST JOHN - ST JOHN 115KV CKT 1 MIDW	7/1/2014	6/1/2016		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78754806	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		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754806	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78754806	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 242,401	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	2.02%	100.00%
					Total	\$ 242,401	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-013

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
KCPS	78754851	WR	KCPL	50	1/1/2018	1/1/2038	6/1/2019	6/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78754851	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
78754851	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754851	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019	Yes	
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019	Yes	
	Viola - Clearwater 138KV Ckt1	6/1/2015	6/1/2018	Yes	
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018	Yes	
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018	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
78754851	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019	Yes	
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019	Yes	
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019	No	
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019	No	
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019	No	
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019	No	
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018	Yes	
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018	Yes	
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019	No	
	Viola - Rose Hill 345 kv	6/1/2015	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
78754851	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754851	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

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

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
78754851	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 161,911	\$ 12,000,000
	VBI - Arkansas Nuclear One 345kV EES	6/1/2014	6/1/2019		No	1.35%	100.00%
					Total	\$ 161,911	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-014

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
KCPS	78754858	WR	KCPL	50	1/1/2018	1/1/2038	6/1/2019	6/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78754858	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
78754858	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754858	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138KV Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		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
78754858	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018		Yes
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78754858	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754858	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

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

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
78754858	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 161,911	\$ 12,000,000
	VBI - Arkansas Nuclear One 345kV EES	6/1/2014	6/1/2019		No	1.35%	100.00%
					Total	\$ 161,911	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-015

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
KCPS	78754861	WR	KCPL	100	1/1/2018	1/1/2038	6/1/2019	6/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78754861	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
78754861	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754861	Cherry Co - Gentleman 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	7/1/2014	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	7/1/2014	1/1/2018		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes
	Viola - Clearwater 138KV Ckt1	6/1/2015	6/1/2018		Yes
	Viola - Gill 138kv Ckt1	6/1/2015	6/1/2018		Yes
	Viola 345/138kv Transformer Ckt 1	6/1/2015	6/1/2018		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
78754861	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	6/1/2015	6/1/2017		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2016		
	CHISHOLM - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2015	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2015	6/1/2017		
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kv Accelerate	6/1/2015	6/1/2015		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	7/1/2014	6/1/2018		Yes
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	7/1/2014	6/1/2018		Yes
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate	6/1/2015	6/1/2015		
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No
	Viola - Rose Hill 345 kv	6/1/2015	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
78754861	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78754861	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No

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

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
78754861	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 323,822	\$ 12,000,000
	VBI - Arkansas Nuclear One 345kV EES	6/1/2014	6/1/2019		No	2.70%	100.00%
					Total	\$ 323,822	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-016

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	78758401	WR	KCPL	50	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78758401	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
78758401	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	Neligh - Hoskins 345 kv Ckt1			10/1/2014	3/1/2019
	Neligh 345/115 kv Transformer			10/1/2014	3/1/2019

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78758401	ADABELL - VBI 161KV CKT 1			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate			6/1/2014	6/1/2015
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	HOLT - NELIGH 345KV CKT 1			10/1/2014	6/1/2019
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2014	6/1/2017
	latan - Jeffrey Energy Center 345 kv KACP			6/1/2014	6/1/2019
	latan - Jeffrey Energy Center 345 kv WERE			6/1/2014	6/1/2019
	Lacygne - Mariosa 345KV KACP			6/1/2014	6/1/2019
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI			6/1/2014	6/1/2019
	VBI - Arkansas Nuclear One 345KV OKGE			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
78758401	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
78758401	Arkansas Nuclear One 500/345 Transformer			6/1/2014	6/1/2019	\$ 186,505	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN			6/1/2014	6/1/2019	4.20%	100.00%
	VBI - Arkansas Nuclear One 345kv EES			6/1/2014	6/1/2019	1.55%	100.00%
Total						\$ 186,505	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-017

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	78764630	WR	KCPL	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78764630	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
78764630	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	Neligh - Hoskins 345 kv Ckt1			10/1/2014	3/1/2019
	Neligh 345/115 kv Transformer			10/1/2014	3/1/2019

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78764630	ADABELL - VBI 161KV CKT 1			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate			6/1/2014	6/1/2015
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	HOLT - NELIGH 345KV CKT 1			10/1/2014	6/1/2019
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2014	6/1/2017
	latan - Jeffrey Energy Center 345 kv KACP			6/1/2014	6/1/2019
	latan - Jeffrey Energy Center 345 kv WERE			6/1/2014	6/1/2019
	Lacygne - Mariosa 345KV KACP			6/1/2014	6/1/2019
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI			6/1/2014	6/1/2019
	VBI - Arkansas Nuclear One 345KV OKGE			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
78764630	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
78764630	Arkansas Nuclear One 500/345 Transformer			6/1/2014	6/1/2019	\$ 376,741	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN			6/1/2014	6/1/2019	8.49%	100.00%
	VBI - Arkansas Nuclear One 345kv EES			6/1/2014	6/1/2019	3.14%	100.00%
Total						\$ 376,741	\$ 12,000,000

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

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

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

Customer Study Number
 KCPS 2013-AG3-018

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
KCPS	78764633	WR	KCPL	51	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78764633	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
78764633	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	Neligh - Hoskins 345 kv Ckt1			10/1/2014	3/1/2019
	Neligh 345/115 kv Transformer			10/1/2014	3/1/2019

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78764633	ADABELL - VBI 161KV CKT 1			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate			6/1/2014	6/1/2015
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	HOLT - NELIGH 345KV CKT 1			10/1/2014	6/1/2019
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2014	6/1/2017
	latan - Jeffrey Energy Center 345 kv KACP			6/1/2014	6/1/2019
	latan - Jeffrey Energy Center 345 kv WERE			6/1/2014	6/1/2019
	Lacygne - Mariosa 345KV KACP			6/1/2014	6/1/2019
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI			6/1/2014	6/1/2019
	VBI - Arkansas Nuclear One 345KV OKGE			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
78764633	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
78764633	Arkansas Nuclear One 500/345 Transformer			6/1/2014	6/1/2019	\$ 190,235	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN			6/1/2014	6/1/2019	4.29%	100.00%
	VBI - Arkansas Nuclear One 345kv EES			6/1/2014	6/1/2019	1.59%	100.00%
Total						\$ 190,235	\$ 12,000,000

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

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

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

Customer Study Number
KMEA 2013-AG3-019

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
KMEA	78775362	NPPD	WPEK	1	4/1/2014	5/1/2025	6/1/2019	7/1/2030	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78775362	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
78775362	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SP5	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SP5	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78775362	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78775362	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIRCLE - RICE CO 230KV CKT 1	10/1/2012	11/15/2012		
	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78775362	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345kV EES	6/1/2014	6/1/2019		No

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

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

Customer Study Number
KMEA 2013-AG3-020

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
KMEA	78776321	NPPD	WPEK	3	4/1/2014	5/1/2025	6/1/2019	7/1/2030	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78776321	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
78776321	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	6/1/2014	6/1/2015		
	Line - Clark County - Thistle 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE	6/1/2014	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS	6/1/2014	7/1/2014		
	Line - Spearville - Clark County 345 kv dbl Ckt	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Thistle - Wichita 345 kv dbl Ckt WERE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE	6/1/2014	1/1/2015		
	Line - Thistle - Woodward 345 kv dbl Ckt PW	6/1/2014	1/1/2015		
	Line - Tuco - Woodward 345 kv line OKGE	6/1/2014	6/1/2014		
	Line - Tuco - Woodward 345 kv line SPS	6/1/2014	6/1/2014		
	XFR - Thistle 345/138 kv	6/1/2014	1/1/2015		

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
78776321	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	HAYS PLANT - VINE STREET 115KV CKT 1 #1	6/1/2014	6/1/2015		
	HAYS PLANT - VINE STREET 115KV CKT 1 #2	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776321	ALBION - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	ALEXANDER - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	ALEXANDER - SAWYER 3 115.00 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - MEDICINE LODGE 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER - SAWYER 115KV CKT 1	12/1/2009	6/1/2013		
	BARBER (BARBER 4) 138/115/2.72KV TRANSFORMER CKT 1	12/1/2009	6/1/2013		
	CIRCLE - RICE CO 230KV CKT 1	10/1/2012	11/15/2012		
	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		
	Mullergren - Reno 345kv Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345kv Dbl CKT WERE	10/1/2013	6/1/2019		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	RICE CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78776321	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345kV EES	6/1/2014	6/1/2019		No

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

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

Customer Study Number
LESM 2013-AG3-021

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
LESM	78773742	OKGE	LES	100	11/26/2015	11/26/2020	6/1/2019	6/1/2024	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78773742	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
78773742	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	Neligh - Hoskins 345 kv Ckt1			10/1/2014	3/1/2019
	Neligh 345/115 kv Transformer			10/1/2014	3/1/2019

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773742	ADABELL - VBI 161KV CKT 1			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate			6/1/2014	6/1/2015
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate			6/1/2014	6/1/2016
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1			7/1/2014	6/1/2018
	GRAND ISLAND - SWEETWATER 345KV CKT 2			7/1/2014	6/1/2019
	HOLT - NELIGH 345KV CKT 1			10/1/2014	6/1/2019
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2014	6/1/2017
	latan - Jeffrey Energy Center 345 kv KACP			6/1/2014	6/1/2019
	latan - Jeffrey Energy Center 345 kv WERE			6/1/2014	6/1/2019
	Lacygne - Mariosa 345KV KACP			6/1/2014	6/1/2019
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI			6/1/2014	6/1/2019
	VBI - Arkansas Nuclear One 345KV OKGE			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
78773742	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
78773742	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1			10/1/2015	10/1/2015	16.34%	100.00%
	Arkansas Nuclear One 500/345 Transformer			6/1/2014	6/1/2019	\$ 1,266,223	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN			6/1/2014	6/1/2019	0.97%	100.00%
	VBI - Arkansas Nuclear One 345KV EES			6/1/2014	6/1/2019	10.55%	100.00%
Total						\$ 1,266,223	\$ 12,000,000

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

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

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

Customer Study Number
 OGE 2013-AG3-024

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
OGE	78759765	OKGE	OKGE	16	10/1/2014	6/1/2030			\$ 8,915	\$ -	\$ 8,915	\$ 20,047
									\$ 8,915	\$ -	\$ 8,915	\$ 20,047

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78759765	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 8,915	\$ 225,000	\$ 20,047
Total						\$ 8,915	\$ 225,000	\$ 20,047

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
78759765	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	COUNCIL - MUSTANG 138KV 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
78759765	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		

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

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

Customer Study Number
 OMPA 2013-AG3-025

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
OMPA	78697838	OKGE	OKGE	4	10/1/2014	12/1/2040			\$ 2,365	\$ -	\$ 2,365	\$ 6,449
									\$ 2,365	\$ -	\$ 2,365	\$ 6,449

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78697838	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 2,365	\$ 225,000	\$ 6,449
Total						\$ 2,365	\$ 225,000	\$ 6,449

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
78697838	COUNCIL - MUSTANG 138KV CKT 1	6/1/2019	6/1/2019		
	LAKE CREEK - LONEWOLF 69KV CKT 1	6/1/2019	6/1/2019		
	OMPA-MARLOW - RUSH SPRINGS TAP 138KV CKT 1	6/1/2015	6/1/2017		
	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	6/1/2015	6/1/2017		
	SHIDLER - WEST PAWHUSKA 138KV CKT 1	6/1/2015	6/1/2017		
	WESTMOORE 138KV Accelerate	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
78697838	ALTUS SW - NAVAJO 69KV CKT 1	6/1/2013	6/1/2013		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
G03-05T	138.00 - PARADISE 138KV CKT 1	6/1/2010	6/1/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

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

Customer Study Number
SECI 2013-AG3-026

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
SECI	78763050	KCPL	SECI	50	1/1/2015	1/1/2045	1/1/2020	1/1/2050	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78763050	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
78763050	Amoco - Hobbs 345 kV Ckt 1	6/1/2015	1/1/2020		Yes
	Amoco - Tuco 345 kV Ckt 1	6/1/2015	1/1/2020		Yes
	Carlisle Interchange - Wolfforth Interchange 230 kV Ckt 1	6/1/2015	6/1/2017		Yes
	CIMARRON RIVER TAP - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2018		Yes
	CUDAHY - KISMET 3 115.00 115KV CKT 1	6/1/2015	6/1/2018		Yes
	Indiana - Stanton 115 kV Ckt 1	6/1/2015	6/1/2018		Yes
	MULTI - Tuco-New Deal 345 kV	6/1/2015	6/1/2018		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
78763050	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		Yes
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	Carlisle - SP Erskine 115 kV Ckt 1	6/1/2015	6/1/2018		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kV KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kV WERE	6/1/2014	6/1/2019		No
	Indiana - SP Erskine 115 kV Ckt 1 Accelerate	6/1/2015	6/1/2018		Yes
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Muskogee - VBI 345 kV with 345/161 kV bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78763050	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		
	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		
	Mullergren - Reno 345KV Dbl CKT MKEC	10/1/2013	6/1/2019		
	Mullergren - Reno 345KV Dbl CKT WERE	10/1/2013	6/1/2019		
	North Judson Large - Spearville 115KV CKT 2	10/1/2013	6/1/2015		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2013	6/1/2019		
	Spearville 345/115/13.8kV Transformer CKT 3	10/1/2013	6/1/2015		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78763050	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

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
78763050	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	1.64%	100.00%
					Total	\$ -	\$ -

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

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

Customer Study Number
SPSM 2013-AG3-027

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
SPSM	78751808	SPS	SPS	250	12/1/2015	12/1/2035	1/1/2020	12/1/2035	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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
78751808	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
78751808	Line - Clark County - Thistle 345 kv dbl Ckt			6/1/2014	1/1/2015
	Line - Hitchland - Woodward 345 kv dbl Ckt OKGE			6/1/2014	7/1/2014
	Line - Hitchland - Woodward 345 kv dbl Ckt SPS			6/1/2014	7/1/2014
	Line - Spearville - Clark County 345 kv dbl Ckt			6/1/2014	1/1/2015
	Line - Thistle - Wichita 345 kv dbl Ckt PW			6/1/2014	1/1/2015
	Line - Thistle - Wichita 345 kv dbl Ckt WERE			6/1/2014	1/1/2015
	Line - Thistle - Woodward 345 kv dbl Ckt OKGE			6/1/2014	1/1/2015
	Line - Thistle - Woodward 345 kv dbl Ckt PW			6/1/2014	1/1/2015
	Line - Tuco - Woodward 345 kv line OKGE			6/1/2014	6/1/2014
	Line - Tuco - Woodward 345 kv line SPS			6/1/2014	6/1/2014
	XFR - Thistle 345/138 kv			6/1/2014	1/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78751808	Amoco - Hobbs 345 kv Ckt 1			6/1/2015	1/1/2020
	Amoco - Tuco 345 kv Ckt 1			6/1/2015	1/1/2020
	Carlisle Interchange - Wolfforth Interchange 230 kv Ckt 1			6/1/2015	6/1/2017
	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	Elk City 345/230 kv			12/1/2015	3/1/2018
	Elk City to Gracemont 345kv AEPW			12/1/2015	3/1/2018
	Elk City to Gracemont 345kv OKGE			12/1/2015	3/1/2018
	Indiana - Stanton 115 kv Ckt 1			6/1/2015	6/1/2018
	MULTI - Tuco-New Deal 345 kv			6/1/2015	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
78751808	Carlisle - SP Erskine 115 kv Ckt 1			6/1/2015	6/1/2018
	CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1			12/1/2015	6/1/2016
	Cimarron - Mathewson 345 kv Ckt 1 Accelerate			6/1/2015	6/1/2015
	Indiana - SP Erskine 115 kv Ckt 1 Accelerate			6/1/2015	6/1/2018
	Mathewson - Tatonga 345 kv Ckt 2 Accelerate			6/1/2015	6/1/2015
	Mathewson 345 kv Accelerate			6/1/2015	6/1/2015
	Potter to Tolc 345 kv			12/1/2015	6/1/2019
	Tatonga - Woodward EHV 345 kv Ckt 2 Accelerate			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
78751808	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
 TEXL 2013-AG3-028

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
TEXL	78773933	CSWS	CSWS	50	1/1/2015	1/1/2025	6/1/2017	6/1/2027	\$ 11,558	\$ -	\$ 11,558	\$ 23,662
									\$ 11,558	\$ -	\$ 11,558	\$ 23,662

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78773933	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 11,558	\$ 225,000	\$ 23,662
Total						\$ 11,558	\$ 225,000	\$ 23,662

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
78773933	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	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
78773933	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 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		

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
78773933	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773933	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78773933	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			\$ -	\$ -
	GRIMES 345/138KV TRANSFORMER CKT 1	1/1/2015	1/1/2015			49.49%	100.00%
Total						\$ -	\$ -

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

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

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

Customer Study Number
 TEXL 2013-AG3-029

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
TEXL	78773967	CSWS	CSWS	27	1/1/2015	1/1/2030			\$ 3,467	\$ -	\$ 3,467	\$ 7,856
									\$ 3,467	\$ -	\$ 3,467	\$ 7,856

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78773967	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ 3,467	\$ 225,000	\$ 7,856
					Total	\$ 3,467	\$ 225,000	\$ 7,856

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
78773967	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	7/1/2014	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
78773967	412SUB - KANSAS TAP 161KV CKT 1	6/1/2019	6/1/2019		
	412SUB - KERR 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		

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
78773967	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	6/1/2015	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78773967	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	6/1/2009	6/1/2009		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78773967	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	7/1/2014	6/1/2015			\$ -	\$ -
	GRIMES 345/138KV TRANSFORMER CKT 1	1/1/2015	1/1/2015			24.40%	100.00%
					Total	\$ -	\$ -

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

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

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

Customer Study Number
UCU 2013-AG3-030

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
UCU	78748020	MPS	KCPL	2	5/1/2014	5/1/2019	6/1/2019	6/1/2024	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
78748020	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
78748020	IATAN - NASHUA 345KV CKT 1	6/1/2014	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78748020	WARRENSBURG EAST - WARRENSBURG PLANT 69KV CKT 1	6/1/2015	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78748020	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78748020	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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
78748020	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
78748020	MORGAN - STOCKTON 161KV CKT 1	6/1/2015	6/1/2016			\$ -	\$ -
Total						\$ -	\$ -

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

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

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

Customer Study Number
UCU 2013-AG3-031

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
UCU	78754546	MPS	MPS	50	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ 399,182	\$ -	\$ 399,182	\$ 1,628,041
									\$ 399,182	\$ -	\$ 399,182	\$ 1,628,041

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
78754546	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	6/1/2019	6/1/2019			\$ 399,182	\$ -	\$ 399,182	\$ 2,391,200	\$ 1,628,041
Total						\$ 399,182	\$ -	\$ 399,182	\$ 2,391,200	\$ 1,628,041

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
78754546	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2019	6/1/2019		
	LEEDS - WINCHESTER JUNCTION NORTH 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
78754546	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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
78754546	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

*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
UCU 2013-AG3-032

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
UCU	78763378	MPS	MPS	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ 806,347	\$ -	\$ 806,347	\$ 3,288,640
									\$ 806,347	\$ -	\$ 806,347	\$ 3,288,640

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
78763378	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	6/1/2019	6/1/2019			\$ 806,347	\$ -	\$ 806,347	\$ 2,391,200	\$ 3,288,640
Total						\$ 806,347	\$ -	\$ 806,347	\$ 2,391,200	\$ 3,288,640

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
78763378	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2019	6/1/2019		
	LEEDS - WINCHESTER JUNCTION NORTH 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
78763378	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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
78763378	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

*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
UCU 2013-AG3-033

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
UCU	78763386	MPS	MPS	51	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ 407,165	\$ -	\$ 407,165	\$ 1,660,599
									\$ 407,165	\$ -	\$ 407,165	\$ 1,660,599

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
78763386	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	6/1/2019	6/1/2019			\$ 407,165	\$ -	\$ 407,165	\$ 2,391,200	\$ 1,660,599
Total						\$ 407,165	\$ -	\$ 407,165	\$ 2,391,200	\$ 1,660,599

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
78763386	HARRIONSVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2019	6/1/2019		
	LEEDS - WINCHESTER JUNCTION NORTH 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
78763386	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	latan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	latan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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
78763386	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No

*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
UCU 2013-AG3-034

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
UCU	78764620	WR	MPS	101	7/1/2015	1/1/2036	6/1/2019	12/1/2039	\$ 778,505	\$ -	\$ 778,505	\$ 3,175,088
									\$ 778,505	\$ -	\$ 778,505	\$ 3,175,088

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
78764620	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	6/1/2019	6/1/2019			\$ 778,505	\$ -	\$ 778,505	\$ 2,391,200	\$ 3,175,088
Total						\$ 778,505	\$ -	\$ 778,505	\$ 2,391,200	\$ 3,175,088

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
78764620	Cherry Co - Gentleman 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co - Holt Co 345 kv Ckt1			7/1/2014	1/1/2018
	Cherry Co 345 kv Terminal Upgrades			7/1/2014	1/1/2018
	HARRISONVILLE NORTH - RALPH GREEN 69KV CKT 1	6/1/2019	6/1/2019		
	LEEDS - WINCHESTER JUNCTION NORTH 161KV CKT 1	6/1/2019	6/1/2019		
	Neligh - Hoskins 345 kv Ckt1	10/1/2014	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2014	3/1/2019		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78764620	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2 Accelerate	6/1/2014	6/1/2016		Yes
	GRAND ISLAND - SWEETWATER 345KV CKT 2	7/1/2014	6/1/2019		Yes
	HOLT - NELIGH 345KV CKT 1	10/1/2014	6/1/2019		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2014	6/1/2017		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2014	6/1/2019		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2014	6/1/2019		No
	Lacygne - Mariosa 345KV KACP	6/1/2014	6/1/2019		No
	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	6/1/2015	6/1/2017		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie near VBI	6/1/2014	6/1/2019		No
	VBI - Arkansas Nuclear One 345KV OKGE	6/1/2014	6/1/2019		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
78764620	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
78764620	Arkansas Nuclear One 500/345 Transformer	6/1/2014	6/1/2019		No	\$ 452,013	\$ 12,000,000
	Lacygne - Mariosa 345KV AMRN	6/1/2014	6/1/2019		No	11.31%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	6/1/2014	6/1/2019		No	3.77%	100.00%
Total						\$ 452,013	\$ 12,000,000

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

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

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

Customer Study Number
WFEC 2013-AG3-035

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
WFEC	78630334	WFEC	WFEC	75	7/1/2014	7/1/2029	6/1/2017	6/1/2032	\$ -	\$ -	\$ 1,814,634	\$ 6,551,453
									\$ -	\$ -	\$ 1,814,634	\$ 6,551,453

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
78630334	COMANCHE TAP - TOSCO 69KV CKT 1 Accelerate	7/1/2014	6/1/2017		No	\$ -	\$ 234,829	\$ 234,829	\$ 234,829	\$ 840,753
	DUNCAN - TOSCO 69KV CKT 1 Accelerate	6/1/2015	6/1/2017		No	\$ -	\$ 845,951	\$ 845,951	\$ 845,951	\$ 3,028,741
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	6/1/2015	6/1/2017		Yes	\$ -	\$ 705,433	\$ 705,433	\$ 2,194,544	\$ 2,610,495
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	6/1/2019	6/1/2019			\$ -	\$ 28,421	\$ 28,421	\$ 225,000	\$ 71,464
	Total					\$ -	\$ 1,814,634	\$ 1,814,634	\$ 3,500,324	\$ 6,551,453

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
78630334	PAOLI - PAYNE 138.00 138KV CKT 1	6/1/2015	6/1/2016		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
78630334	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2015	10/1/2015		
	Cimarron - Mathewson 345 kV Ckt 1 Accelerate	6/1/2015	6/1/2015		
	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	6/1/2015	6/1/2015		
	Mathewson 345 kV Accelerate	6/1/2015	6/1/2015		
	OMPA-MARLOW - RUSH SPRINGS TAP 138KV CKT 1	6/1/2015	6/1/2017		No
	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	6/1/2015	6/1/2015		
	WESTMOORE 138KV Accelerate	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
78630334	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2016		
	G03-05T 138.00 - PARADISE 138KV CKT 1	6/1/2010	6/1/2013		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	1/1/2012	1/1/2012		
	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	1/1/2012	1/1/2012		
	HUGO POWER PLANT - VALLIANT 345 kV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER 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		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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	COMANCHE TAP - TOSCO 69KV CKT 1 Accelerate	Rebuild 3.20 miles of line	7/1/2014	6/1/2017	\$234,829.00
AEPW	DOMES - MOUND ROAD 138KV CKT 1	Rebuild 13.59 miles of line	10/1/2015	6/1/2017	\$27,180,000.00
AEPW	DOMES - PAWHUSKA TAP 138KV CKT 1	Rebuild 5.74 miles of line	10/1/2015	6/1/2017	\$11,480,000.00
AEPW	DUNCAN - TOSCO 69KV CKT 1 Accelerate	Rebuild 3.86 miles of line	6/1/2015	6/1/2017	\$845,951.00
AEPW	STILLWATER KINZIE (KINAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	Replace with 105MVA transformer	6/1/2019	6/1/2019	\$3,150,000.00
GRDA	40OLOGAH 138.00 - CLAREMORE 138KV CKT 1	Rebuild 6.806 miles of line	6/1/2019	6/1/2019	\$3,828,375.00
GRDA	40OLOGAH 138.00 - NORTHEAST STATION 138KV CKT 1	Rebuild 2.694 miles of line	6/1/2019	6/1/2019	\$1,515,375.00
MIPU	GRANDVIEW TAP - RICHARDS-GEBAUER AIR FORCE BASE 69KV CKT 1	Rebuild 3.92 miles	6/1/2019	6/1/2019	\$2,391,200.00
OKGE	CARTRCO4 138.00 - POOLEVILLE 138KV CKT 1	Rebuild 0.75 Miles	7/1/2014	6/1/2017	\$615,000.00
OKGE	CARTRCO4 138.00 - SUNNYSIDE 138KV CKT 1	Rebuild 19.95 Miles	7/1/2014	6/1/2017	\$16,359,000.00
OKGE	DILLARD4 - HEALDTON TAP 138KV CKT 1	Upgrade Terminal Equipment at Dillard Sub	7/1/2014	6/1/2016	\$330,000.00
OKGE	DUNDEE - HEALDTON TAP 138KV CKT 1	Upgrade Terminal Equipment at Dundee Sub	7/1/2014	6/1/2016	\$330,000.00
OKGE	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerate	Reconductor 12.07 mile Woodward District - FPL Switching Station 138 kv line and Replace all 1200 amp switches and wave traps in FPL switching station with 2000 amp	6/1/2015	6/1/2017	\$2,194,544.00
OKGE	KINZE - MCELROY 138KV CKT 1	Reconductor 1.97 Mile Kinze - McElroy line with 1590AS52	4/1/2016	6/1/2017	\$1,400,000.00
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019	\$225,000.00

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BARTLESVILLE COMANCHE - MOUND ROAD 138KV CKT 1 ACCELERATE	Rebuild 3.8 miles with 1533.3 ACSR/TW	10/1/2015	6/1/2017
AEPW	OMPA-MARLOW - RUSH SPRINGS TAP 138KV CKT 1	Rebuild 8.59	6/1/2015	6/1/2017
AEPW	PAWHUSKA TAP - WEST PAWHUSKA 138KV CKT 1	Rebuild 5.98 miles of line	6/1/2015	6/1/2017
AEPW	SHIDLER - WEST PAWHUSKA 138KV CKT 1	Rebuild 16.11	6/1/2015	6/1/2017
AEPW	TERRA NITROGEN TAP - VERDIGRIS 138KV CKT 1	Rebuild 4.31 miles	6/1/2019	6/1/2019
KACP	Iatan - Jeffrey Energy Center 345 kV KACP	Build 14.2 miles of new 345 kv	6/1/2014	6/1/2019
KACP	Lacygne - Mariosa 345KV KACP	Build approximately 181 miles of 345kv from KCPL Lacygne - AMRN Mariosa	6/1/2014	6/1/2019
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #1	Replace Wavetrap	6/1/2014	6/1/2015
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1 #2	Rebuild 0.23 miles	6/1/2014	6/1/2016
MIDW	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 MIDW	Rebuild ownership of 39.5 mile circuit	7/1/2014	6/1/2018
MIDW	ST JOHN - ST JOHN 115KV CKT 1 MIDW	Replace terminal equipment	7/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1 Accelerate	Upgrade wave trap.	6/1/2014	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 ACSS.	6/1/2014	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 ACSS.	6/1/2014	6/1/2016
MIPU	LONGVIEW - WESTERN ELECTRIC 161KV CKT 1 #2 Accelerate	Rebuild 3.6 miles	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)	7/1/2014	6/1/2017
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1	Replace Wave Trap at Harper Substation	7/1/2014	7/1/2014
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2 Accelerate	Reconductor 22.1 mile Harper to Milan Tap 138 kv line.	7/1/2014	6/1/2017
NPPD	GRAND ISLAND - SWEETWATER 345KV CKT 2	Build 63.4 mile second circuit	7/1/2014	6/1/2019
NPPD	HOLT - NELIGH 345KV CKT 1	Build new 16 miles 345 kv Holt - Neligh and associated terminal equipment	10/1/2014	6/1/2019
OKGE	ADABELL - VBI 161KV CKT 1	Replace existing 800 amp wave trap with 1200 amp in VBI sub	6/1/2014	6/1/2016
OKGE	Beaver County Substation Expansion	Expand Beaver County Substation to tap the Hitchland to Woodward circuit 2	1/1/2016	6/1/2018
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2015	10/1/2015
OKGE	Cimarron - Mathewson 345 kv Ckt 1 Accelerate	Build new 16 mile 345 kv line from Mathewson to Cimarron.	6/1/2015	6/1/2015
OKGE	COUNCIL - MUSTANG 138KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019
OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kv bus tie in Ft. Smith Sub	7/1/2014	6/1/2018

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

OKGE	HANCOCK - MUSKOGEE 161KV CKT 1 Accelerate	Upgrade the Muskogee CT rating from 800 amps to 1200 amps	7/1/2014	6/1/2016
OKGE	Mathewson - Tatonga 345 kV Ckt 2 Accelerate	Build new 61 mile Tatonga - Mathewson 345 kV line.	6/1/2015	6/1/2015
OKGE	Mathewson 345 kV Accelerate	Build new Mathewson 345 kV substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kV lines.	6/1/2015	6/1/2015
OKGE	MUSKOGEE - MUSKOGEE PORT 161KV CKT 1 Accelerate	Upgrade the Muskogee CT rating from 800 amps to 1200 amps	7/1/2014	6/1/2016
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
OKGE	Tatonga - Woodward EHV 345 kV Ckt 2 Accelerate	Build new 49-mile Woodward EHV - Tatonga 345 kV Ckt 2 line.	6/1/2015	6/1/2015
OKGE	VBI - Arkansas Nuclear One 345kV OKGE	Build 73 miles of 345kV line	6/1/2014	6/1/2019
SPS	Carlisle - SP Erskine 115 kV Ckt 1	Reconductor 1.49 miles from Carlisle to SP-Erskine.	6/1/2015	6/1/2018
SPS	CARLISLE INTERCHANGE - TUCO INTERCHANGE 230KV CKT 1	Replace Terminal Equipment	12/1/2015	6/1/2016
SPS	Indiana - SP Erskine 115 kV Ckt 1 Accelerate	Reconductor 4 miles from Indiana to SP-Erskine.	6/1/2015	6/1/2018
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 t	12/1/2015	6/1/2019
WERE	59TH ST - GILL ENERGY CENTER SOUTH 138KV CKT 1	Rebuild 5.12 miles	6/1/2015	6/1/2017
WERE	CHISHOLM - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2016
WERE	CHISHOLM - MAIZE 138KV CKT 1 #2	Rebuild 7.25 miles	6/1/2015	6/1/2017
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)	7/1/2014	6/1/2017
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Upgrade disconnect switches, wavetrap, breaker, jumpers	6/1/2015	6/1/2015
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	Rebuild 4.8 miles	6/1/2015	6/1/2017
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Rebuild the JEC - Hoyt 345kV line as a single circuit with new conductor, poles, and shield wire and substation work	6/1/2014	6/1/2017
WERE	Iatan - Jeffrey Energy Center 345 kV WERE	Build 56.8 miles of new 345 kV	6/1/2014	6/1/2019
WERE	SMOKYHL6 230.00 - SUMMIT 230KV CKT 1 WERE	Rebuild ownership of 39.5 mile circuit	7/1/2014	6/1/2018
WERE	Viola - Rose Hill 345 kV	Build new 35 mile line from Viola to Rose Hill 345 kV	6/1/2015	6/1/2019
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Reset CT to at least 153 MVA Summer Rate B.	1/1/2016	1/1/2016
WFEC	LAKE CREEK - LONEWOLF 69KV CKT 1	Replace Terminal Equipment	6/1/2019	6/1/2019
WFEC	SOUTHWESTERN STATION - WASHITA 138KV CKT 2	Add Second 138 kV line	6/1/2015	6/1/2017
WFEC	WESTMOORE 138KV Accelerate	Install 12 Mvar capacitor at WESTMOORE 138KV	6/1/2019	6/1/2019

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.	7/1/2014	6/1/2015
ITCGP	Line - Clark County - Thistle 345 kV dbI Ckt	Build a new 86 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle 345 kV substation to the new Clark County substation. Build a new 345 kV substation at Thistle with a ring bus and necessary terminal equipment.	6/1/2014	1/1/2015
ITCGP	Line - Spearville - Clark County 345 kV dbI Ckt	Build a new 36 mile double circuit 345 kV line with at least 3000 A capacity from the Spearville substation to the new Clark County substation. Build the Clark County 345 kV substation with a ring bus and necessary terminal equipment.	6/1/2014	1/1/2015
ITCGP	XFR - Thistle 345/138 kV	Install a 400 MVA 345/138 kV transformer at the new 345 kV Thistle substation.	6/1/2014	1/1/2015
KACP	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from Iatan to Nashua, Add Nashua 345/161 kV	6/1/2014	6/1/2015
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1 #2	Tear down and rebuild of existing South Hays - Hays Plant 115 kV line. Tentative plans include rebuilding on existing right-of-way with the possibility of re-routing a portion of the line to new right-of-way as necessary.	6/1/2014	6/1/2015
OKGE	Line - Hitchland - Woodward 345 kV dbI Ckt OKGE	Build a new 92 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the SPS interception from the Hitchland substation. Upgrade the Woodward District EHV substation with the necessary breakers and term	6/1/2014	7/1/2014
OKGE	Line - Thistle - Woodward 345 kV dbI Ckt OKGE	Build a new 79 mile double circuit 345 kV line with at least 3000 A capacity from the Woodward District EHV substation to the Kansas/Oklahoma state border towards the Thistle substation. Upgrade the Woodward District EHV substation with the necessary brea	6/1/2014	1/1/2015
OKGE	Line - Tuco - Woodward 345 kV line OKGE	Build new 345 kV line from Woodward EHV to Border - Project costs now include Border reactor substation	6/1/2014	6/1/2014
PW	Line - Thistle - Wichita 345 kV dbI Ckt PW	Build a new 78 mile double circuit 345 kV line with at least 3000 A capacity from the Wichita substation to the new Thistle 345 kV substation.	6/1/2014	1/1/2015
PW	Line - Thistle - Woodward 345 kV dbI Ckt PW	Build a new 30 mile double circuit 345 kV line with at least 3000 A capacity from the Thistle substation to the Kansas/Oklahoma state border towards the Woodward District EHV substation.	6/1/2014	1/1/2015
SPS	Line - Hitchland - Woodward 345 kV dbI Ckt SPS	Build 30 mile double circuit 345 kV line with at least 3000 A capacity from the Hitchland substation to the OGE interception point from the Woodward District EHV substation. Upgrade the Hitchland substation with the necessary breakers and terminal equipme	6/1/2014	7/1/2014
SPS	Line - Tuco - Woodward 345 kV line SPS	Build new 345 kV line from Tuco to OGE Border station near TX/OK Stateline. Install line reactor outside Border station and line reactors at Tuco.	6/1/2014	6/1/2014
WERE	Line - Thistle - Wichita 345 kV dbI Ckt WERE	Upgrade the Wichita substation with the necessary breakers and terminal equipment to accommodate two new 345 kV circuits from the new Thistle 345 kV substation	6/1/2014	1/1/2015

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

AEPW	Elk City 345/230 kV	Expand Elk City substation (or build new station). Install a 345/230 kV 675 MVA transformer at Elk City.	12/1/2015	3/1/2018
AEPW	Elk City to Gracemont 345kV AEPW	Build new 46.5 mile 345 kV line from Elk City to Gracemont (AEP portion).	12/1/2015	3/1/2018
AEPW	HUGHES SPRINGS - JENKINS REC T 69KV CKT 1	Rebuild 4.76 Miles	6/1/2019	6/1/2019
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Remove limiting Element, Line Switches 1200A increase to 2000A	6/1/2019	6/1/2019
GRDA	412SUB - KERR 161KV CKT 1	Replace 161kV,1200A switch with a 2000A Switch at Kerr Substation bus.	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
KACP	LEEDS - WINCHESTER JUNCTION NORTH 161KV CKT 1	Replace wavetrap	6/1/2019	6/1/2019
MIPU	HARRISONVILLE NORTH - RALPH GREEN 69KV CKT 1	Rebuild 8.78 miles	6/1/2019	6/1/2019
MIPU	WARRENSBURG EAST - WARRENSBURG PLANT 69KV CKT 1	Rebuild 3.23 miles	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	6/1/2018
MKEC	CUDAHY - KISMET 3 115.00 115KV CKT 1	Rebuild 23.17 miles and increase terminal limits to at least 146MVA Summer Rate B.	6/1/2015	6/1/2018
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).	7/1/2014	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).	7/1/2014	1/1/2018
NPPD	Cherry Co 345 kV Terminal Upgrades	Build new Cherry County 345 kV Substation.	7/1/2014	1/1/2018
NPPD	Neligh - Hoskins 345 kV Ckt1	Build a new 50 mile 345 kV line from Hoskins to Neligh	10/1/2014	3/1/2019
NPPD	Neligh 345/115 kV Transformer	Construct new substation at Neligh. Install a new 345/115 kV transformer at Neligh.	10/1/2014	3/1/2019
OKGE	Elk City to Gracemont 345kV OKGE	Build new 46.5 mile 345 kV line from Elk City to Gracemont (OGE portion).	12/1/2015	3/1/2018
SPS	Amoco - Hobbs 345 kV Ckt 1	Build new 100 mile Amoco - Hobbs 345 kV line. Expand the Hobbs substation.	6/1/2015	1/1/2020
SPS	Amoco - Tuco 345 kV Ckt 1	Build new 67-mile 345 kV line from Tuco to Amoco.	6/1/2015	1/1/2020
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.	6/1/2015	6/1/2017
SPS	Indiana - Stanton 115 kV Ckt 1	Reconductor 1.5 miles line from Indiana to Stanton.	6/1/2015	6/1/2018
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	6/1/2015	6/1/2018
SPS	Optima 345/115 kV	New 345/115kV substation between Texas County to Cole 115kV line and Finney to Hitchland 345 kV line, Rebuild Texas County to Cole 115kV line	1/1/2016	6/1/2019
WERE	Viola - Clearwater 138kV Ckt1	Build new 138kV line between new Viola substation 345/138 kV transformer and existing Clearwater 138 kV substation.	6/1/2015	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.	6/1/2015	6/1/2018
WERE	Viola 345/138kV Transformer Ckt 1	Install new 345/138 kV transformer at Viola substation	6/1/2015	6/1/2018
WFEC	ELK CITY - RED HILLS WIND 138KV CKT 1	Upgrade Elk City to RHWIND4 TO 1113	1/1/2016	6/1/2017
WFEC	PAOLI - PAYNE 138.00 138KV CKT 1	Reset CT	6/1/2015	6/1/2016

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	ASHDOWN REC (MILLWOOD) - OKAY 138KV CKT 1	Recunductor and convert line to 138 kv and replace switches at Ashdown REC	7/1/2012	7/1/2012
AEPW	ASHDOWN REC (MILLWOOD) - PATTERSON 138KV CKT 1	Reconductor Line & Convert Line to 138 kv and convert Patterson station to breaker-and-a half cofiguration	7/1/2012	7/1/2012
AEPW	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 AEPW	Reconductor 1.82 miles with ACCC. Replace wave trap jumpers at Riverside.	6/1/2009	6/1/2009
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Vallient 345 KV line terminal	7/1/2012	7/1/2012
AEPW	MANDEVILTP4 - SE TEXARKANA 138KV CKT 1	Build new Turk-SE Texarkana 138 kv line and add SE Texarkana 138 kv terminal.	7/1/2012	7/1/2012
AEPW	MANDEVILTP4 - TURK 138KV CKT 1	Build new Turk-SE Texarkana 138 kv line and add SE Texarkana 138 kv terminal.	7/1/2012	7/1/2012
AEPW	MCNAB REC - TURK 115KV CKT 1	Build a new two mile, 138 kv, 1590 ACSR line section (operated at 115 kv) from Turk Substation to the existing Okay- Hope 115 kv line to form a Turk - Hope 115 kv line.	7/1/2012	7/1/2012
AEPW	OKAY - TURK 138KV CKT 1	Build two mile, 138 kv, 1590ACSR line section from Turk Sub to existing Okay-Hope 115 kv line and rebuild twelve miles of 115 kv line to Okay Sub to 138 kv, 1590 ACSR , to form a Turk-Okay 138 kv line	7/1/2012	7/1/2012
AEPW	SUGAR HILL - TURK 138KV CKT 1	Build new Turk-Sugar Hill 138 kv line and add Sugar Hill 138 kv terminal.	7/1/2012	7/1/2012
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	Mullergren - Reno 345kv Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345kv Mullergren - Reno	10/1/2013	6/1/2019
MKEC	North Judson Large - Spearville 115KV CKT 2	Construct approximately 15 miles of new 115kv for 2nd circuit	10/1/2013	6/1/2015
MKEC	Spearville - Mullergren 345kv Dbl CKT	Build approximately 74 miles of double 345kv Spearville - Mullergren	10/1/2013	6/1/2019
MKEC	Spearville 345/115/13.8kv Transformer CKT 3	Install 345/115/13.8kv Transformer CKT 3 at Spearville	10/1/2013	6/1/2015
NPPD	ALBION - PETERSBURG 115KV CKT 1	Replace Breaker Switch 1106-D and jumpers at Albion. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kv lineto faciilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013
NPPD	NELIGH - PETERSBURG 115KV CKT 1	Replace Breaker 1106, jumpers, and 115 kv Switch 1106-D2 at Neligh. Replace main bus at Petersburg. Upgrade and replace transmission structures on 115 kv lineto facilitate 100 degrees Centigrade line operation.	1/1/2013	1/1/2013
OKGE	BEELINE - EXPLORER GLENPOOL TAP 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Increase capacity of Draper Lake CT and Cimarron wave trap	10/1/2014	6/1/2016
OKGE	EXPLORER GLENPOOL TAP - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	Build 138kv Terminal.	1/1/2012	1/1/2012
OKGE	NORTHWEST - TATONGA 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	TATONGA - WOODWARD 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	WOODWARD - IODINE 138KV CKT 1	Tap iodine to Woodward 138 kv line	1/1/2010	1/1/2010

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

OKGE	WOODWARD - WOODWARD EHV 138KV CKT 1	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 2	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kv XF	1/1/2010	1/1/2010
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap at Harrington East	6/1/2015	6/1/2015
WERE	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
WERE	Mullergren - Reno 345kv Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Reno	10/1/2013	6/1/2019
WFEC	ALTUS SW - NAVAJO 69KV CKT 1	Upgrade Terminal Equipment at Altus SW, 300-600A, new rating conductor 53/65MVA	6/1/2013	6/1/2013
WFEC	G03-05T 138.00 - PARADISE 138KV CKT 1	Upgrade Paradise to G03-05T to 1113	6/1/2010	6/1/2013
WFEC	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	Build approximately 6 miles of 138kv.	1/1/2012	1/1/2012
WFEC	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	New 19 miles 345 KV	7/1/2012	7/1/2012
WFEC	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	New 345/138 kv Auto	7/1/2012	7/1/2012

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECC	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 AECC	Upgrade 1272 AAC bus at Farmington REC. Replace bus at Farmington REC and rebuild 400 feet of the 161 kV line going to Chamber Springs.	7/1/2014	6/1/2015	Note 1
AECC	FITZHUGH - OZARK 161KV CKT 1	Reconductor line to MVA 184/222	7/1/2014	6/1/2017	\$350,000.00
AECI	Fairfax 138/69kV transformer ckt 1	New Fairfax 138/69kV transformer ckt 1 - 84 MVA	10/1/2015	6/1/2017	\$2,200,000.00
AECI	Remington - Fairfax 138kV ckt 1	Conductor Clearance - Uprated to 245 MVA	10/1/2015	6/1/2017	\$400,000.00
AMRN	Lacygne - Mariosa 345KV AMRN	Indeterminate	6/1/2014	6/1/2019	Indeterminate
EES	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	Indeterminate	10/1/2015	10/1/2015	Indeterminate
EES	Arkansas Nuclear One 500/345 Transformer	Build 500/345 kV Transformer at ANO	6/1/2014	6/1/2019	\$12,000,000.00
EES	GRIMES 345/138KV TRANSFORMER CKT 1	Indeterminate	1/1/2015	1/1/2015	Indeterminate
EES	VBI - Arkansas Nuclear One 345kV EES	Indeterminate	6/1/2014	6/1/2019	Indeterminate
SWPA	MORGAN - STOCKTON 161KV CKT 1	Replace Jumpers on the Stockton substation	6/1/2015	6/1/2016	Note 2
SWPA	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA #1	Replace wave trap and CTs at Truman.	4/1/2016	6/1/2016	Note 2

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

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