



Aggregate Facility Study

SPP-2012-AG1-AFS-2

6/13/2012

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), 2870 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 \$73 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 \$112 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 June 13, 2012. 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 June 28, 2012, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to withdraw the request or leave the request in study mode.

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

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

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

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 January 31, 2012 for 2012-AG1 have been included in this first Aggregate Transmission Service Study (ATSS) of 2012.

Approximately 2870 MW of long-term Transmission Service was studied in this Aggregate Facility Study (AFS), and over \$73 million in transmission upgrades is proposed. The results of the AFS are detailed in Tables 1 through 6. Detailed results depict individual upgrade costs by study and potential base plan allowances determined by Attachments J and Z1. The [OATT](#) may be accessed at SPP's website by going to [SPP.org>Org Groups>Governing Documents](#).

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

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

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

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

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

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

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

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

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

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

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

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

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 AECI, AMRN (Ameren), and ENTR (Entergy) control areas. A 2 % TDF cutoff was applied to WAPA. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

Model Development

SPP used six seasonal models to study the aggregate transfers of 2870 MW over a variety of requested service periods. The following SPP Transmission Expansion Plan 2011 Build 2 Cases were used to study the impact of the requested service on the transmission system:

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

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

The chosen base case models were modified to reflect the current modeling information. One group of requests was developed from the aggregate of 2870 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 2011 Series Cases. Scenario 5 includes transmission service not already included in the SPP 2011 Series Cases.

Transmission Request Modeling

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

Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or impacted by the transfer. Transfer distribution factor cutoffs (SPP and 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.

Curtailement 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.

Study Results

Study Analysis Results

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

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

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

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

Table 5 lists identified third-party constrained facilities.

Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service.

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 June 13, 2012. 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 June 28, 2012, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASE SETTINGS:

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

ACCC CASE SETTINGS:

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

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AECC	2012-AG1-038	76585985	WR	CSWS	51	10/1/2012	10/1/2017	3/1/2019	3/1/2024	6/1/2018	6/1/2023	0	13SP
AECC	2012-AG1-040	76586012	WR	OKGE	51	7/1/2015	7/1/2020	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	22SP
AEPM	2012-AG1-033	76584399	CSWS	CSWS	250	1/1/2016	1/1/2021	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	22SP
AEPM	2012-AG1-034	76584402	CSWS	CSWS	250	1/1/2016	1/1/2021	6/1/2018	6/1/2023	6/1/2018	6/1/2023	0	22SP
AEPM	2012-AG1-036	76584451	WR	CSWS	78	10/1/2012	1/1/2032	6/1/2018	9/1/2037	6/1/2018	9/1/2037	0	13SP
AEPM	2012-AG1-037	76584464	SPS	CSWS	80	10/1/2012	1/1/2032	6/1/2019	9/1/2038	6/1/2019	9/1/2038	0	13SP
AEPM	2012-AG1-042	76586559	OKGE	CSWS	101	10/1/2012	12/31/2032	6/1/2018	8/1/2038	6/1/2018	8/1/2038	0	13SP
AEPM	2012-AG1-044	76586582	OKGE	CSWS	53	10/1/2012	12/31/2032	6/1/2018	8/1/2038	6/1/2018	8/1/2038	0	13SP
AEPM	2012-AG1-046	76586592	OKGE	CSWS	48	10/1/2012	12/31/2032	6/1/2018	8/1/2038	6/1/2018	8/1/2038	0	13SP
CHAN	2012-AG1-028	76583997	KACY	WR	3	1/1/2014	1/1/2019	1/1/2015	1/1/2020	1/1/2015	1/1/2020	0	17SP
CHAN	2012-AG1-029	76583999	KCPL	WR	45	1/1/2014	1/1/2019	6/1/2018	6/1/2023	6/1/2015	6/1/2020	0	17SP
CHAN	2012-AG1-031	76584004	SPA	WR	1	1/1/2014	1/1/2019	1/1/2014	1/1/2019	1/1/2014	1/1/2019	0	17SP
CHAN	2012-AG1-032	76584010	WR	WR	121	1/1/2014	1/1/2019	1/1/2014	1/1/2019	1/1/2014	1/1/2019	0	17SP
CHAN	2012-AG1-050	76586685	NPPD	WR	2	1/1/2014	1/1/2019	1/1/2015	1/1/2020	1/1/2015	1/1/2020	0	17SP
CHAN	2012-AG1-052	76583977	WR	WR	115	1/1/2014	1/1/2019	1/1/2014	1/1/2019	1/1/2014	1/1/2019	0	17SP
CHAN	2012-AG1-053	76583984	GRDA	WR	2	1/1/2014	1/1/2019	1/1/2014	1/1/2019	1/1/2014	1/1/2019	0	17SP
CRGL	2012-AG1-001	76300099	CSWS	ERCOTN	207	1/1/2014	1/1/2024	6/1/2019	6/1/2029	1/1/2015	1/1/2025	0	17SP
CRGL	2012-AG1-002	76348872	ERCOTN	ERCOTN	207	2/1/2013	2/1/2018	2/1/2013	2/1/2018	2/1/2013	2/1/2018	0	13SP
CRGL	2012-AG1-025	76583812	WPEK	EES	200	1/1/2014	1/1/2024	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	17SP
CRGL	2012-AG1-026	76583814	WPEK	EES	200	1/1/2014	1/1/2024	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	17SP
CRGL	2012-AG1-027	76583815	WPEK	EES	100	1/1/2014	1/1/2024	6/1/2019	6/1/2029	6/1/2019	6/1/2029	0	17SP
ETEC	2012-AG1-043	76586568	CSWS	CSWS	8	1/1/2013	1/1/2015	6/1/2016	6/1/2018	6/1/2016	6/1/2018	0	13SP
KMEA	2012-AG1-007	76553455	NPPD	WR	3	2/1/2013	4/1/2025	6/1/2019	8/1/2031	6/1/2019	8/1/2031	0	13SP
KMEA	2012-AG1-012	76580367	NPPD	WR	1	5/1/2013	4/30/2025	6/1/2019	5/1/2031	6/1/2019	5/1/2031	0	13SP
KMEA	2012-AG1-013	76580375	GRDA	WR	3	5/1/2013	5/1/2026	6/1/2019	6/1/2032	6/1/2019	6/1/2032	0	13SP
KMEA	2012-AG1-014	76580381	KACY	WR	4	10/1/2013	6/1/2022	10/1/2013	6/1/2022	10/1/2013	6/1/2022	0	17SP
KMEA	2012-AG1-015	76580392	SPA	WR	1	5/1/2013	1/1/2019	5/1/2013	1/1/2019	5/1/2013	1/1/2019	0	13SP
KMEA	2012-AG1-016	76580395	WR	WR	5	5/1/2013	1/1/2019	6/1/2019	2/1/2025	6/1/2019	2/1/2025	0	13SP
KMEA	2012-AG1-017	76580515	SPA	WR	1	1/1/2014	1/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	17SP
KMEA	2012-AG1-018	76580552	NPPD	WR	1	1/1/2014	5/1/2025	6/1/2019	10/1/2030	6/1/2019	10/1/2030	0	17SP
KMEA	2012-AG1-019	76582326	WR	WR	41	5/1/2013	5/1/2026	6/1/2018	6/1/2031	6/1/2018	6/1/2031	0	13SP
KMEA	2012-AG1-022	76583607	WR	WR	21	1/1/2014	5/1/2026	1/1/2014	5/1/2026	1/1/2014	5/1/2026	0	17SP
KMEA	2012-AG1-023	76583617	GRDA	WR	5	1/1/2014	5/1/2026	1/1/2014	5/1/2026	1/1/2014	5/1/2026	0	17SP
KMEA	2012-AG1-024	76583629	WR	WR	4	1/1/2014	1/1/2019	6/1/2019	6/1/2024	6/1/2019	6/1/2024	0	17SP
KMEA	2012-AG1-048	76586675	KCPL	WR	15	6/1/2013	6/1/2023	6/1/2018	6/1/2028	6/1/2018	6/1/2028	0	13SP
KMEA	2012-AG1-049	76586679	WR	WR	15	6/1/2013	6/1/2023	6/1/2013	6/1/2023	6/1/2013	6/1/2023	0	13SP
KMEA	2012-AG1-051	76586961	NPPD	WR	1	6/1/2013	5/1/2025	6/1/2019	5/1/2031	6/1/2019	5/1/2031	0	13SP
NTEC	2012-AG1-045	76586584	CSWS	CSWS	8	1/1/2013	1/1/2015	6/1/2016	6/1/2018	6/1/2016	6/1/2018	0	13SP

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
OGE	2012-AG1-008	76571379	OKGE	OKGE	60	12/19/2012	12/19/2032	6/1/2018	6/1/2038	6/1/2018	6/1/2038	0	13SP
PSCM	2012-AG1-021	76582673	SPS	LAM345	208	3/1/2013	3/1/2018	6/1/2018	6/1/2023	1/1/2015	1/1/2020	0	13SP
TEXL	2012-AG1-047	76586594	CSWS	CSWS	20	1/1/2013	1/1/2015	6/1/2016	6/1/2018	6/1/2016	6/1/2018	0	13SP
WFEC	2012-AG1-004	76548687	CSWS	WFEC	160	6/1/2014	12/31/2035	6/1/2019	12/1/2040	6/1/2019	12/1/2040	0	17SP
WFEC	2012-AG1-005	76548692	CSWS	WFEC	90	6/1/2017	12/31/2035	6/1/2019	12/1/2037	6/1/2019	12/1/2037	0	22SP
WFEC	2012-AG1-006	76548702	CSWS	WFEC	30	6/1/2019	12/31/2035	6/1/2019	12/1/2035	6/1/2019	12/1/2035	0	22SP
					2870								

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. 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
AECC	2012-AG1-038	76585985	\$ 5,247,969	\$ -	\$ 5,247,969	8	Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AECC	2012-AG1-040	76586012	\$ 7,652,524	\$ 3,720,493	\$ 3,932,031	8	Indeterminate	\$ 8,388,496	\$ -	\$ 8,388,496
AEPM	2012-AG1-033	76584399	\$ 4,784,973	\$ -	\$ 4,784,973		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-034	76584402	\$ 5,008,954	\$ -	\$ 5,008,954		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-036	76584451	\$ 2,251,920	\$ -	\$ 2,251,920		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-037	76584464	\$ 3,416,318	\$ -	\$ 3,416,318		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-042	76586559	\$ 1,578,845	\$ -	\$ 1,578,845		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-044	76586582	\$ 828,503	\$ -	\$ 828,503		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
AEPM	2012-AG1-046	76586592	\$ 750,342	\$ -	\$ 750,342		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-028	76583997	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-029	76583999	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-031	76584004	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-032	76584010	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-050	76586685	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-052	76583977	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CHAN	2012-AG1-053	76583984	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
CRGL	2012-AG1-001	76300099	\$ -	\$ -	\$ -	6	\$ -	\$ -	\$ 39,308,058	\$ 39,308,060
CRGL	2012-AG1-002	76348872	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ 19,654,029	\$ 19,654,030
CRGL	2012-AG1-025	76583812	\$ 13,636,951	\$ 13,636,950	\$ -		Indeterminate	\$ 41,361,350	\$ 30,720,000	\$ 41,361,350
CRGL	2012-AG1-026	76583814	\$ 13,636,951	\$ 13,636,950	\$ -		Indeterminate	\$ 41,361,350	\$ 30,720,000	\$ 41,361,350
CRGL	2012-AG1-027	76583815	\$ 6,818,476	\$ 6,818,476	\$ -		Indeterminate	\$ 20,680,680	\$ 15,360,000	\$ 20,680,680
ETEC	2012-AG1-043	76586568	\$ 1,174	\$ 1,174	\$ -		Indeterminate	\$ 2,468	\$ -	\$ 2,468
KMEA	2012-AG1-007	76553455	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-012	76580367	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-013	76580375	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-014	76580381	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-015	76580392	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-016	76580395	\$ 205,330	\$ -	\$ 205,330		indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-017	76580515	\$ 58	\$ -	\$ 58		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-018	76580552	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-019	76582326	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-022	76583607	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-023	76583617	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-024	76583629	\$ 43,227	\$ -	\$ 43,227		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-048	76586675	\$ 155,000	\$ -	\$ 155,000		\$ 38,072	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-049	76586679	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	2012-AG1-051	76586961	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
NTEC	2012-AG1-045	76586584	\$ -	\$ -	\$ -		\$ 8,888,329	\$ -	\$ -	Schedule 9 & 11 Charges
OGF	2012-AG1-008	76571379	\$ 3,763,800	\$ -	\$ 3,763,800		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
PSCM	2012-AG1-021	76582673	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ 24,061,440	\$ 24,061,440
TEXL	2012-AG1-047	76586594	\$ 1,920	\$ 1,920	\$ -		Indeterminate	\$ 4,037	\$ -	\$ 4,037

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
WFEC	2012-AG1-004	76548687	\$ 1,739,096	\$ -	\$ 1,739,096		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
WFEC	2012-AG1-005	76548692	\$ 978,240	\$ -	\$ 978,240		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
WFEC	2012-AG1-006	76548702	\$ 310,959	\$ -	\$ 310,959		Indeterminate	\$ -	\$ -	Schedule 9 & 11 Charges
Grand Total			\$ 72,811,530		\$ 34,995,565			\$ 111,798,381		
<p>Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C allocation of expedited projects. Letter of Credit is required for upgrades assigned to PTP requests. The amount of the letter of credit will be adjusted down on an annual basis to reflect cost recovery based on revenue allocation. This letter of credit is not required for those facilities that are fully base plan funded. The Letter Of Credit Amount listed is based on meeting OATT Attachment J requirements for base plan funding.</p> <p>Note 2: If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if Point-to-Point base rate exceeds revenue requirements.</p> <p>Note 3: Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided RR in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects. A present worth analysis of RR on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan RR due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The incremental increase in present worth of a Requested Upgrade on a common year basis as a Base Plan upgrade is assigned to the transmission requests impacting the upgrade based on the displacement or deferral. If the displacement analysis results in lower RR due to the shorter amortization period of the requested upgrade when compared to a base plan amortization period, then no direct assignment of the upgrade cost is made due to the displacement to an earlier start date.</p> <p>Note 4: For Point-to-Point requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits can be paid from base plan funding if applicable.</p> <p>Note 5: RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.</p> <p>Note 6: Mutually exclusive with 76348872. System impacts were identified by only modeling mutually exclusive request 76300099.</p> <p>Note 7: Mutually exclusive with 76300099. System impacts were identified by only modeling mutually exclusive request 76300099.</p> <p>Note 8: The combined Safe Harbor Cost Limit for both reservations is \$9,180,000.</p>										

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

Customer Study Number
 AECC 2012-AG1-038

Customer	Reservation	POD	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	76585985	WR	CSWS	51	10/1/2012	10/1/2017	3/1/2019	3/1/2024	\$ 5,247,969	\$ -	\$ 5,247,969	\$ 13,220,845
									\$ 5,247,969	\$ -	\$ 5,247,969	\$ 13,220,845

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
76585985	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		No	\$ 4,012,781	\$ -	\$ 4,012,781	\$ 5,247,483	\$ 10,197,639
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 58,848	\$ -	\$ 58,848	\$ 14,500,000	\$ 181,189
	G08-13T 345.00 - WOODRING 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 295,095	\$ -	\$ 295,095	\$ 1,000,000	\$ 790,398
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019		Yes	\$ 560,042	\$ -	\$ 560,042	\$ 30,656,000	\$ 1,255,710
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 15,601	\$ -	\$ 15,601	\$ 605,000	\$ 47,379
	SUMNERCO 345.00 - WICHITA 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 305,602	\$ -	\$ 305,602	\$ 1,000,000	\$ 748,529
	Total					\$ 5,247,969	\$ -	\$ 5,247,969	\$ 53,008,483	\$ 13,220,845

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
76585985	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		Yes
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		Yes
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		Yes
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	IATAN - NASHUA 345KV CKT 1	10/1/2013	6/1/2015		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		Yes
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		Yes
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76585985	S TRIBES - HANCOCK 161KV CKT 1 #1	6/1/2013	6/1/2014		No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76585985	5 TRIBES - HANCOCK 161KV CKT 1 #2	6/1/2013	6/1/2014		No
	5 TRIBES - PECAN CREEK 161KV CKT 1 Accelerate	6/1/2013	6/1/2015		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	6/1/2018	6/1/2018		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Multi - Bonanza - North Huntington 69KV	6/1/2014	6/1/2017		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	10/1/2013	6/1/2016		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	10/1/2013	6/1/2016		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Waldron 69 kv Capacitor	6/1/2014	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76585985	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	NORTHWEST - TATONGA 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
76585985	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	10/1/2013	10/1/2013			4.72%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 179,431	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 479,739	\$ 18,000,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014		No	\$ -	\$ -
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 1,377,520	\$ 20,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECl	6/1/2014	6/1/2015		No	\$ 8,568	\$ 180,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	2.26%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			0.68%	100.00%
					Total	\$ 2,045,258	\$ 46,180,000

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

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AECC 2012-AG1-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	76586012	WR	OKGE	51	7/1/2015	7/1/2020	6/1/2018	6/1/2023	\$ 3,932,031	\$ -	\$ 7,652,524	\$ 17,253,941
									\$ 3,932,031	\$ -	\$ 7,652,524	\$ 17,253,941

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
76586012	AGENCY - PECAN CREEK 161KV CKT 1	7/1/2015	6/1/2016			\$ 12,846	\$ 12,154	\$ 25,000	\$ 250,000	\$ 53,257
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 Accelerate	6/1/2014	6/1/2016		No	\$ 634,416	\$ 600,286	\$ 1,234,702	\$ 5,247,483	\$ 3,137,736
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 82,395	\$ 77,962	\$ 160,357	\$ 14,500,000	\$ 493,729
	G08-13T 345.00 - WOODRING 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 47,061	\$ 44,530	\$ 91,591	\$ 1,000,000	\$ 245,322
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019			\$ 101,142	\$ 95,701	\$ 196,843	\$ 30,656,000	\$ 441,356
	MUSKOGEE - ROSS LAKE 161KV CKT 1	7/1/2015	6/1/2018		No	\$ 179,838	\$ 170,162	\$ 350,000	\$ 350,000	\$ 745,595
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	7/1/2015	6/1/2018		No	\$ 2,826,018	\$ 2,673,982	\$ 5,500,000	\$ 5,500,000	\$ 11,906,631
	SUMNERCO 345.00 - WICHITA 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 48,315	\$ 45,716	\$ 94,031	\$ 1,000,000	\$ 230,316
	Total					\$ 3,932,031	\$ 3,720,493	\$ 7,652,524	\$ 58,503,483	\$ 17,253,941

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
76586012	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586012	5 TRIBES - HANCOCK 161KV CKT 1 #1	6/1/2013	6/1/2014		
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76586012	5 TRIBES - HANCOCK 161KV CKT 1 #2	6/1/2013	6/1/2014		
	5 TRIBES - PECAN CREEK 161KV CKT 1 Accelerate	6/1/2013	6/1/2015		
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		
	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	6/1/2018	6/1/2018		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Multi - Bonanza - North Huntington 69KV	6/1/2014	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	10/1/2013	6/1/2016		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	10/1/2013	6/1/2016		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Waldron 69 kv Capacitor	6/1/2014	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586012	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	NORTHWEST - TATONGA 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
76586012	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 51,419	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 139,460	\$ 18,000,000
	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014			\$ -	\$ -
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 423,852	\$ 20,000,000
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2014	6/1/2015			\$ 2,632	\$ 180,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	0.86%	100.00%
					Total	\$ 617,363	\$ 46,180,000

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

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-033

Customer	Reservation	POD	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	76584399	CSWS	CSWS	250	1/1/2016	1/1/2021	6/1/2018	6/1/2023	\$ 4,784,973	\$ -	\$ 4,784,973	\$ 14,788,927
									\$ 4,784,973	\$ -	\$ 4,784,973	\$ 14,788,927

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76584399	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 2,537,970	\$ 14,500,000	\$ 7,814,256
	FT SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 471,157	\$ 2,500,000	\$ 1,354,232
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 167,545	\$ 605,000	\$ 508,825
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 1,608,301	\$ 5,500,000	\$ 5,111,614
Total						\$ 4,784,973	\$ 23,105,000	\$ 14,788,927

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
76584399	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584399	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2018		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Marissa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Multi - Bonanza - North Huntington 69KV	6/1/2014	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Waldron 69 kv Capacitor	6/1/2014	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584399	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

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
76584399	ZJASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 1,189,181	\$ 8,000,000
	ZJASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 2,343,511	\$ 18,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			17.64%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 2,233,908	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 1,253,750	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			17.84%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			29.47%	100.00%
	HUBEN 345/161KV TRANSFORMER CKT 1	6/1/2014	6/1/2014			29.31%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	8.43%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	18.62%	100.00%
					Total	\$ 7,020,350	\$ 58,000,000

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76584402	CSWS	CSWS	250	1/1/2016	1/1/2021	6/1/2018	6/1/2023	\$ 5,008,954	\$ -	\$ 5,008,954	\$ 15,264,020
									\$ 5,008,954	\$ -	\$ 5,008,954	\$ 15,264,020

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76584402	AGENCY - PECAN CREEK 161KV CKT 1	7/1/2015	6/1/2016			\$ 225,000	\$ 250,000	\$ 479,311
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017	No		\$ 2,535,518	\$ 14,500,000	\$ 7,806,706
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 474,682	\$ 2,500,000	\$ 1,364,364
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 168,612	\$ 605,000	\$ 512,065
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 1,605,142	\$ 5,500,000	\$ 5,101,574
Total						\$ 5,008,954	\$ 23,355,000	\$ 15,264,020

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
76584402	S TRIBES - HANCOCK 161KV CKT 1 #1	6/1/2013	6/1/2014		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584402	S TRIBES - HANCOCK 161KV CKT 1 #2	6/1/2013	6/1/2014		
	S TRIBES - PECAN CREEK 161KV CKT 1 Accelerate	6/1/2013	6/1/2015		
	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2018		
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018	No	
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018	No	
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018	No	
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018	No	
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018	No	
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018	No	
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017	No	
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017	No	
	Multi - Bonanza - North Huntington 69KV	6/1/2014	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018	No	
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018	No	
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017	No	
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018	No	
	Waldron 69 kv Capacitor	6/1/2014	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017	No	

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584402	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		

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
76584402	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 1,132,010	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 2,251,628	\$ 18,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			17.80%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 2,242,453	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 971,262	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			17.75%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			29.18%	100.00%
	HUBEN 345/161KV TRANSFORMER CKT 1	6/1/2014	6/1/2014			27.32%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	8.44%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	18.69%	100.00%
					Total	\$ 6,597,353	\$ 58,000,000

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-036

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76584451	WR	CSWS	78	10/1/2012	1/1/2032	6/1/2018	9/1/2037	\$ 2,251,920	\$ -	\$ 2,251,920	\$ 10,441,932
									\$ 2,251,920	\$ -	\$ 2,251,920	\$ 10,441,932

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
76584451	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 393,246	\$ -	\$ 393,246	\$ 14,500,000	\$ 2,051,954
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 90,605	\$ -	\$ 90,605	\$ 2,500,000	\$ 444,562
	G08-13T 345.00 - WOODRING 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 613,315	\$ -	\$ 613,315	\$ 1,000,000	\$ 2,804,275
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 52,400	\$ -	\$ 52,400	\$ 605,000	\$ 258,688
	SUMNERCO 345.00 - WICHITA 345KV CKT 1	10/1/2013	6/1/2018		No	\$ 600,367	\$ -	\$ 600,367	\$ 1,000,000	\$ 2,288,919
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 501,987	\$ -	\$ 501,987	\$ 5,500,000	\$ 2,593,532
Total						\$ 2,251,920	\$ -	\$ 2,251,920	\$ 25,105,000	\$ 10,441,932

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
76584451	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	IATAN - NASHUA 345KV CKT 1	10/1/2013	6/1/2015		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		No
	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76584451	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	10/1/2013	6/1/2016		No
	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	10/1/2013	6/1/2016		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584451	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	NORTHWEST - TATONGA 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
76584451	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 280,802	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 733,970	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014		No	\$	\$
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			3.07%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 417,489	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 1,518,798	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			4.01%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			9.28%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	5.79%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			22.22%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	3.48%	100.00%
					Total	\$ 2,951,059	\$ 58,000,000

*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.

* Overton 345/161/13.8 kv Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-037

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76584464	SPS	CSWS	80	10/1/2012	1/1/2032	6/1/2019	9/1/2038	\$ 3,416,318	\$ -	\$ 3,416,318	\$ 14,516,679
									\$ 3,416,318	\$ -	\$ 3,416,318	\$ 14,516,679

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	
76584464	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 449,507	\$ -	\$ 449,507	\$ 14,500,000	\$ 2,570,273	
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 100,415	\$ -	\$ 100,415	\$ 2,500,000	\$ 537,163	
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019		No	\$ 2,302,026	\$ -	\$ 2,302,026	\$ 30,656,000	\$ 8,258,518	
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 56,335	\$ -	\$ 56,335	\$ 605,000	\$ 301,858	
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 508,035	\$ -	\$ 508,035	\$ 5,500,000	\$ 2,848,867	
						Total	\$ 3,416,318	\$ -	\$ 3,416,318	\$ 53,761,000	\$ 14,516,679

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
76584464	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		No
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - NPPD - Axtell - Kansas Border 345 kv	10/1/2012	6/1/2013		No
	Line - Post Rock - Axtell 345 kv	10/1/2012	6/1/2013		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Line - Spearville - Post Rock 345 kv	10/1/2012	10/1/2012		
	MOUNDRIDGE 138/115KV TRANSFORMER CKT 2	10/1/2012	6/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		No
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		No
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Post Rock 345/230 kv	10/1/2012	10/1/2012		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584464	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		Yes
	UNIONRG3 - 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76584464	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	6/1/2014	6/1/2016		No
	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	6/1/2014	6/1/2016		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Line - Osage Station and Line Re-termination Accelerate	6/1/2013	6/1/2015		No
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	SMOKYHL6 - 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		No
	SMOKYHL6 - 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584464	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	CHERRY6 - 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2015	6/1/2015		
	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
7658446A	ZJASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 223,740	\$ 8,000,000
	ZJASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 572,235	\$ 18,000,000
	ZOVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014		No	\$	\$
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			3.43%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018			\$ 464,780	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 1,022,010	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			4.00%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			8.87%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	4.27%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			21.44%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	3.87%	100.00%
					Total	\$ 2,282,765	\$ 58,000,000

*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.

* Overton 345/161/13.8 kV Transformer is included in the Ameron Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76586559	OKGE	CSWS	101	10/1/2012	12/31/2032	6/1/2018	8/1/2038	\$ 1,578,845	\$ -	\$ 1,578,845	\$ 8,400,557
									\$ 1,578,845	\$ -	\$ 1,578,845	\$ 8,400,557

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	
76586559	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 720,964	\$ -	\$ 720,964	\$ 14,500,000	\$ 3,898,288	
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 147,361	\$ -	\$ 147,361	\$ 2,500,000	\$ 745,082	
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 72,253	\$ -	\$ 72,253	\$ 605,000	\$ 366,739	
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 638,267	\$ -	\$ 638,267	\$ 5,500,000	\$ 3,390,448	
						Total	\$ 1,578,845	\$ -	\$ 1,578,845	\$ 23,105,000	\$ 8,400,557

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
76586559	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586559	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586559	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		Yes
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		Yes
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		Yes
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		Yes
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		Yes
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		Yes
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		Yes
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		Yes
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	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
76586559	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586559	ZJASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 352,637	\$ 8,000,000
	ZJASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 790,657	\$ 18,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			5.30%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 685,356	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 1,005,981	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			5.66%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			10.79%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		Yes	4.67%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			26.98%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	5.71%	100.00%
					Total	\$ 2,834,631	\$ 58,000,000

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76586582	OKGE	CSWS	53	10/1/2012	12/31/2032	6/1/2018	8/1/2038	\$ 828,503	\$ -	\$ 828,503	\$ 4,408,214
									\$ 828,503	\$ -	\$ 828,503	\$ 4,408,214

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
76586582	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 378,328	\$ -	\$ 378,328	\$ 14,500,000	\$ 2,045,638
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 77,328	\$ -	\$ 77,328	\$ 2,500,000	\$ 390,983
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 37,915	\$ -	\$ 37,915	\$ 605,000	\$ 192,447
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 334,932	\$ -	\$ 334,932	\$ 5,500,000	\$ 1,779,145
	Total					\$ 828,503	\$ -	\$ 828,503	\$ 23,105,000	\$ 4,408,214

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
76586582	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586582	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586582	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	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
76586582	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586582	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 185,047	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 414,899	\$ 18,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			2.78%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 359,642	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 527,891	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			2.97%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			5.66%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018			2.45%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			14.16%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	3.00%	100.00%
					Total	\$ 1,487,479	\$ 58,000,000

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 AEPM 2012-AG1-046

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	76586592	OKGE	CSWS	48	10/1/2012	12/31/2032	6/1/2018	8/1/2038	\$ 750,342	\$ -	\$ 750,342	\$ 3,992,343
									\$ 750,342	\$ -	\$ 750,342	\$ 3,992,343

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
76586592	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 342,636	\$ -	\$ 342,636	\$ 14,500,000	\$ 1,852,650
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 70,033	\$ -	\$ 70,033	\$ 2,500,000	\$ 354,098
	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2018	6/1/2018			\$ 34,338	\$ -	\$ 34,338	\$ 605,000	\$ 174,291
	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2018	6/1/2018			\$ 303,335	\$ -	\$ 303,335	\$ 5,500,000	\$ 1,611,303
	Total					\$ 750,342	\$ -	\$ 750,342	\$ 23,105,000	\$ 3,992,343

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
76586592	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586592	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586592	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Muskogee - VBI 345 kV with 345/161 kV bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	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
76586592	BANN - RED SPRINGS REC 138KV CKT 1	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586592	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 167,590	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016			\$ 375,758	\$ 18,000,000
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			2.52%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 325,714	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 478,090	\$ 20,000,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			2.69%	100.00%
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			5.13%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018			2.22%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			12.82%	100.00%
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	2.71%	100.00%
					Total	\$ 1,347,152	\$ 58,000,000

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 CHAN 2012-AG1-028

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
CHAN	76583997	KACY	WR	3	1/1/2014	1/1/2019	1/1/2015	1/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583997	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
76583997	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583997	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-029

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
CHAN	76583999	KCPL	WR	45	1/1/2014	1/1/2019	6/1/2018	6/1/2023	\$ -	\$ -	\$ -	\$ -
										\$ -	\$ -	

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583999	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
76583999	IATAN - NASHUA 345KV CKT 1			10/1/2013	6/1/2015
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt			10/1/2012	1/1/2015
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE			10/1/2012	7/1/2014
	Line - Hitchland - Woodward 345 kv dbl ckt SPS			10/1/2012	7/1/2014
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE			10/1/2012	1/1/2015
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC			10/1/2012	1/1/2015
	TUCO - WOODWARD 345 KV CKT 1 OKGE			10/1/2012	6/1/2014
	TUCO - WOODWARD 345 KV CKT 1 SPS			10/1/2012	6/1/2014
	XFR - Medicine Lodge 345/138 kv			10/1/2012	1/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583999	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1			6/1/2013	6/1/2016
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2			6/1/2013	6/1/2016
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2013	6/1/2018
	Iatan - Jeffrey Energy Center 345 kv KACP			6/1/2013	6/1/2018
	Iatan - Jeffrey Energy Center 345 kv WERE			6/1/2013	6/1/2018
	Iatan - Swissvale 345KV KACP			6/1/2013	6/1/2018
	Iatan - Swissvale 345KV WERE			6/1/2013	6/1/2018
	Lacygne - Mariosa 345KV KACP			6/1/2013	6/1/2018
	Lacygne - Wolf Creek 345KV CKT 2 KACP			6/1/2013	6/1/2017
	Lacygne - Wolf Creek 345KV CKT 2 WERE			6/1/2013	6/1/2017
	Swissvale - Wolf Creek 345KV			6/1/2013	6/1/2017
	Wolf Creek - Wichita 345KV			6/1/2013	6/1/2017

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583999	Cimarron - Mathewson 345 kv Ckt 1			6/1/2012	6/1/2019
	CIRCLE - RICE CO 230KV CKT 1			10/1/2012	11/15/2012
	CLIFTON - GREENLEAF 115KV CKT 1			6/1/2011	6/1/2013
	DEARING 138KV Capacitor			6/1/2012	6/1/2012
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC			6/1/2013	6/1/2013
	HUGO POWER PLANT - VALLIANT 345 kv AEPW			7/1/2012	7/1/2012
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC			7/1/2012	7/1/2012
	LYONS - WHEATLAND 115KV CKT 1 #1			10/1/2012	7/15/2013
	LYONS - WHEATLAND 115KV CKT 1 #2			10/1/2012	7/15/2013
	Mathewson - Tatonga 345 kv Ckt 1			6/1/2012	6/1/2019
	Mathewson 345 kv			6/1/2012	6/1/2019
	NORTHWEST - TATONGA 345KV CKT 1			1/1/2010	1/1/2010
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1			6/1/2011	6/1/2011

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
76583999	ZOVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014		No	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECL	6/1/2014	6/1/2015		No	\$ 1,481	\$ 180,000
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		Yes	0.18%	100.00%
					Total	\$ 1,481	\$ 180,000

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

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

* Overton 345/161/13.8 kV Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-031

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
CHAN	76584004	SPA	WR	1	1/1/2014	1/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76584004	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-032

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
CHAN	76584010	WR	WR	121	1/1/2014	1/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76584010	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76584010	CIRCLE - RICE CO 230KV CKT 1	10/1/2012	11/15/2012		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	DEARING 138KV Capacitor	6/1/2012	6/1/2012		
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	LYONS - WHEATLAND 115KV CKT 1 #1	10/1/2012	7/15/2013		
	LYONS - WHEATLAND 115KV CKT 1 #2	10/1/2012	7/15/2013		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CHAN	76586685	NPPD	WR	2	1/1/2014	1/1/2019	1/1/2015	1/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586685	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
76586685	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586685	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2014	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-052

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CHAN	76583977	WR	WR	115	1/1/2014	1/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583977	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 CHAN 2012-AG1-053

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CHAN	76583984	GRDA	WR	2	1/1/2014	1/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583984	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583984	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
CRGL 2012-AG1-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76300099	CSWS	ERCOTN	207	1/1/2014	1/1/2024	6/1/2019	6/1/2029	\$ -	\$ 39,308,058	\$ -	\$ -
									\$ -	\$ 39,308,058	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76300099	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
76300099	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SP5	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SP5	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76300099	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76300099	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2019		Yes
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		Yes
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		Yes
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		Yes
	VBI - Arkansas Nuclear One 345kv OKGE	10/1/2013	6/1/2018		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76300099	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		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*198 MW of available ERCOT North to South capacity . Network Upgrades to address DC Tie Capacity are indeterminate.

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

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

Customer Study Number
 CRGL 2012-AG1-002

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
CRGL	76348872	ERCOTN	ERCOTN	207	2/1/2013	2/1/2018			\$ -	\$ 19,654,029	\$ -	\$ -
									\$ -	\$ 19,654,029	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76348872	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*198 MW of available ERCOT North to South capacity . Network Upgrades to address DC Tie Capacity are indeterminate.

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

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

Customer Study Number
CRGL 2012-AG1-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76583812	WPEK	EES	200	1/1/2014	1/1/2024	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 13,636,951	\$ 41,361,348
									\$ -	\$ 30,720,000	\$ 13,636,951	\$ 41,361,348

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583812	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 2,325,293	\$ 14,500,000	\$ 9,609,745
	FT SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018		No	\$ 372,246	\$ 2,500,000	\$ 1,439,226
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019		No	\$ 10,939,412	\$ 30,656,000	\$ 30,312,376
Total						\$ 13,636,951	\$ 47,656,000	\$ 41,361,348

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
76583812	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		No
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		No
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583812	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76583812	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2018		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		Yes
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345kv	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583812	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		

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
76583812	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	10/1/2013	10/1/2013			38.11%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 1,695,257	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 3,959,257	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014			\$ -	\$ -
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			16.54%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 1,725,599	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 4,568,338	\$ 20,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			40.00%	100.00%
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2014	6/1/2015		No	\$ 51,699	\$ 180,000
	COFFMAN - HUBEN 161KV CKT 1	6/1/2014	6/1/2014			40.00%	100.00%
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			17.94%	100.00%
	HUBEN 345/161KV TRANSFORMER CKT 1	6/1/2014	6/1/2014			17.35%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	23.53%	100.00%
	MONTGOMERY CITY - WILLIAMSBURG 161KV CKT 1	6/1/2018	6/1/2018			40.00%	100.00%
	VBI - Arkansas Nuclear One 345kv EES	10/1/2013	6/1/2018		No	14.38%	100.00%
					Total	\$ 12,000,150	\$ 58,180,000

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

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
CRGL 2012-AG1-026

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76583814	WPEK	EES	200	1/1/2014	1/1/2024	6/1/2019	6/1/2029	\$ -	\$ 30,720,000	\$ 13,636,951	\$ 41,361,348
									\$ -	\$ 30,720,000	\$ 13,636,951	\$ 41,361,348

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583814	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 2,325,293	\$ 14,500,000	\$ 9,609,745
	FT SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018		No	\$ 372,246	\$ 2,500,000	\$ 1,439,226
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019		No	\$ 10,939,412	\$ 30,656,000	\$ 30,312,376
Total						\$ 13,636,951	\$ 47,656,000	\$ 41,361,348

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
76583814	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		No
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		No
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583814	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76583814	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2018		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		Yes
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345kv	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583814	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		

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
76583814	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	10/1/2013	10/1/2013			38.11%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 1,695,257	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 3,959,257	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014			\$ -	\$ -
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			16.54%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 1,725,599	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 4,568,338	\$ 20,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			40.00%	100.00%
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2014	6/1/2015		No	\$ 51,699	\$ 180,000
	COFFMAN - HUBEN 161KV CKT 1	6/1/2014	6/1/2014			40.00%	100.00%
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			17.94%	100.00%
	HUBEN 345/161KV TRANSFORMER CKT 1	6/1/2014	6/1/2014			17.35%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	23.53%	100.00%
	MONTGOMERY CITY - WILLIAMSBURG 161KV CKT 1	6/1/2018	6/1/2018			40.00%	100.00%
	VBI - Arkansas Nuclear One 345kv EES	10/1/2013	6/1/2018		No	14.38%	100.00%
					Total	\$ 12,000,150	\$ 58,180,000

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

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
CRGL 2012-AG1-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	76583815	WPEK	EES	100	1/1/2014	1/1/2024	6/1/2019	6/1/2029	\$ -	\$ 15,360,000	\$ 6,818,476	\$ 20,680,676
									\$ -	\$ 15,360,000	\$ 6,818,476	\$ 20,680,676

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583815	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017		No	\$ 1,162,647	\$ 14,500,000	\$ 4,804,875
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018		No	\$ 186,123	\$ 2,500,000	\$ 719,613
	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019		No	\$ 5,469,706	\$ 30,656,000	\$ 15,156,188
Total						\$ 6,818,476	\$ 47,656,000	\$ 20,680,676

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
76583815	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		No
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		No
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		No
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		No
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583815	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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
76583815	ADABELL - VBI 161KV CKT 1	6/1/2014	6/1/2018		No
	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	6/1/2018	6/1/2018		
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		Yes
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	6/1/2014	6/1/2015		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345kv	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583815	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		
	HUGO POWER PLANT - VALLIANT 345 kv AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	7/1/2012	7/1/2012		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		
	NORTHWEST - TATONGA 345KV CKT 1	1/1/2010	1/1/2010		
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		

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
76583815	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	10/1/2013	10/1/2013			19.06%	100.00%
	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	6/1/2013	6/1/2016		No	\$ 847,629	\$ 8,000,000
	7JASPER 345.00 - MORGAN 345KV CKT 1	6/1/2014	6/1/2016		No	\$ 1,979,628	\$ 18,000,000
	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014			\$ -	\$ -
	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			8.27%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 862,799	\$ 12,000,000
	BLACKBERRY - NEOSHO 345KV CKT 1	6/1/2018	6/1/2018			\$ 2,284,169	\$ 20,000,000
	BOGALUSA - FRANKLIN 500KV CKT 1	10/1/2014	10/1/2014			20.00%	100.00%
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016		Yes	\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2014	6/1/2015		No	\$ 25,849	\$ 180,000
	COFFMAN - HUBEN 161KV CKT 1	6/1/2014	6/1/2014			20.00%	100.00%
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			8.97%	100.00%
	HUBEN 345/161KV TRANSFORMER CKT 1	6/1/2014	6/1/2014			8.67%	100.00%
	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	11.76%	100.00%
	MONTGOMERY CITY - WILLIAMSBURG 161KV CKT 1	6/1/2018	6/1/2018			20.00%	100.00%
	VBI - Arkansas Nuclear One 345kv EES	10/1/2013	6/1/2018		No	7.19%	100.00%
					Total	\$ 6,000,074	\$ 58,180,000

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

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
 ETEC 2012-AG1-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
ETEC	76586568	CSWS	CSWS	8	1/1/2013	1/1/2015	6/1/2016	6/1/2018	\$ -	\$ -	\$ 1,174	\$ 2,468
										\$ -	\$ 1,174	\$ 2,468

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586568	Ft. SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 1,174	\$ 2,500,000	\$ 2,468
Total						\$ 1,174	\$ 2,500,000	\$ 2,468

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
76586568	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586568	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586568	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586568	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018			\$ 5,450	\$ 12,000,000
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 2,721,254	\$ 14,966,895
	HARTBURG - INLAND-ORANGE 230KV CKT 1	10/1/2013	10/1/2013			1.60%	100.00%
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 783,634	\$ 4,309,985
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	6/1/2016		No	\$ 939,277	\$ 5,166,026
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018			0.05%	100.00%
Total						\$ 4,449,615	\$ 36,442,906

*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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer Study Number
KMEA 2012-AG1-007

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
KMEA	76553455	NPPD	WR	3	2/1/2013	4/1/2025	6/1/2019	8/1/2031	\$ -	\$ -	\$ -	\$ -
										\$ -	\$ -	

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76553455	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
76553455	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76553455	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2014	6/1/2016		
	Circle - Reno 345KV DBL CKT	10/1/2012	6/1/2019		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		
	FIRTH - SHELDON 115KV CKT 1	10/1/2013	6/1/2016		
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mullergren - Circle 345kv Dbl Ckt MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl Ckt WERE	10/1/2012	6/1/2019		No
	SMOKYHLL6 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		
	SMOKYHLL6 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		
	Spearville - Mullergren 345KV Dbl Ckt	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

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
76553455	Circle - Reno 345kV Dbl CKT	10/1/2012	6/1/2019		
	FLATRDG3 - 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	Mullergren - Circle 345kV Dbl CKT MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345kV Dbl CKT WERE	10/1/2012	6/1/2019		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	Spearville - Mullergren 345kV Dbl CKT	10/1/2012	6/1/2019		

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
KMEA 2012-AG1-012

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
KMEA	76580367	NPPD	WR	1	5/1/2013	4/30/2025	6/1/2019	5/1/2031	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580367	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
76580367	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SP5	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SP5	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 KV	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580367	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2014	6/1/2016		
	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2019		No
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-013

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
KMEA	76580375	GRDA	WR	3	5/1/2013	5/1/2026	6/1/2019	6/1/2032	\$ -	\$ -	\$ -	\$ -
										\$ -	\$ -	

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580375	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
76580375	Device - Northwest Manhattan Cap 115 kv			6/1/2014	6/1/2014
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt			10/1/2012	1/1/2015
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE			10/1/2012	7/1/2014
	Line - Hitchland - Woodward 345 kv dbl ckt SPS			10/1/2012	7/1/2014
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE			10/1/2012	1/1/2015
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC			10/1/2012	1/1/2015
	TUCO - WOODWARD 345 KV CKT 1 OKGE			10/1/2012	6/1/2014
	TUCO - WOODWARD 345 KV CKT 1 SPS			10/1/2012	6/1/2014
	XFR - Medicine Lodge 345/138 kv			10/1/2012	1/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580375	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580375	Circle - Reno 345KV Dbl CKT			10/1/2012	6/1/2019
	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW			6/1/2018	6/1/2018
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1			6/1/2013	6/1/2016
	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate			6/1/2014	6/1/2015
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2013	6/1/2018
	Iatan - Jeffrey Energy Center 345 kv KACP			6/1/2013	6/1/2018
	Iatan - Jeffrey Energy Center 345 kv WERE			6/1/2013	6/1/2018
	Iatan - Swissvale 345KV KACP			6/1/2013	6/1/2018
	Iatan - Swissvale 345KV WERE			6/1/2013	6/1/2018
	Lacygne - Mariosa 345KV KACP			6/1/2013	6/1/2018
	Lacygne - Wolf Creek 345KV CKT 2 KACP			6/1/2013	6/1/2017
	Lacygne - Wolf Creek 345KV CKT 2 WERE			6/1/2013	6/1/2017
	Mullergren - Circle 345kv Dbl CKT MKEC			10/1/2012	6/1/2019
	Mullergren - Circle 345kv Dbl CKT WERE			10/1/2012	6/1/2019
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI			10/1/2013	6/1/2018
	Spearville - Mullergren 345KV Dbl CKT			10/1/2012	6/1/2019
	SUB 124 - AURORA H.T. 69KV			6/1/2014	6/1/2018
	Swissvale - Wolf Creek 345KV			6/1/2013	6/1/2017
	VBI - Arkansas Nuclear One 345KV OKGE			10/1/2013	6/1/2018
	Wolf Creek - Wichita 345KV			6/1/2013	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
76580375	CLIFTON - GREENLEAF 115KV CKT 1			6/1/2011	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
	RICE CO 230/115KV TRANSFORMER CKT 1			10/1/2012	11/15/2012
	SUB 110 - ORONO GO LCT - SUB 167 - RIVERTON 161KV CKT 1			6/1/2011	6/1/2011

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-014

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
KMEA	76580381	KACY	WR	4	10/1/2013	6/1/2022			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580381	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580381	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	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
76580381	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE CO 115KV CKT 1	10/1/2012	4/1/2013		

- *Credits may be required for applicable generation interconnection network upgrades.
- *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
- *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-015

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
KMEA	76580392	SPA	WR	1	5/1/2013	1/1/2019			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580392	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-016

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	
KMEA	76580395	WR	WR	5	5/1/2013	1/1/2019	6/1/2019	2/1/2025	\$ -	\$ -	\$ 205,330	\$ 502,158	
										\$ -	\$ -	\$ 205,330	\$ 502,158

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580395	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019			\$ 205,330	\$ 30,656,000	\$ 502,158
Total						\$ 205,330	\$ 30,656,000	\$ 502,158

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
76580395	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	IATAN - NASHUA 345KV CKT 1	10/1/2013	6/1/2015		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580395	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580395	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580395	BELL - PECK 69KV CKT 1	5/1/2013	5/1/2013	12/1/2012	
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	5/1/2013	6/1/2014		
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	5/1/2013	6/1/2014		
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	5/1/2013	6/1/2014		
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	5/1/2013	6/1/2014		

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580395	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE CO 115KV CKT 1	10/1/2012	4/1/2013		
	RICE CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76580395	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	0.33%	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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-017

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
KMEA	76580515	SPA	WR	1	1/1/2014	1/1/2019	6/1/2019	6/1/2024	\$ -	\$ -	\$ 58	\$ 182
										\$ -	\$ 58	\$ 182

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580515	Ft. SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 58	\$ 2,500,000	\$ 182
Total						\$ 58	\$ 2,500,000	\$ 182

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
76580515	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580515	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580515	Circle - Reno 345KV Dbl CKT	10/1/2012	6/1/2019		No
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Mullergren - Circle 345KV Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345KV Dbl CKT WERE	10/1/2012	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	Spearville - Mullergren 345KV Dbl CKT	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580515	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE CO 115KV CKT 1	10/1/2012	4/1/2013		
	RICE CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		
	TATONGA - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76580515	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			0.01%	100.00%
	BUFORD 5 161.00 - NORFORK 161KV CKT 1	6/1/2014	6/1/2016			\$ -	\$ -
	BULL SHOALS - MIDWAY (VVEPA) 161KV CKT 1 EES	6/1/2014	6/1/2014			100.00%	100.00%
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	10/1/2014	10/1/2014			0.23%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			0.06%	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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-018

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
KMEA	76580552	NPPD	WR	1	1/1/2014	5/1/2025	6/1/2019	10/1/2030	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76580552	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
76580552	Device - Northwest Manhattan Cap 115 kv			6/1/2014	6/1/2014
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt			10/1/2012	1/1/2015
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE			10/1/2012	7/1/2014
	Line - Hitchland - Woodward 345 kv dbl ckt SPS			10/1/2012	7/1/2014
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE			10/1/2012	1/1/2015
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC			10/1/2012	1/1/2015
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC			10/1/2012	1/1/2015
	TUCO - WOODWARD 345 KV CKT 1 OKGE			10/1/2012	6/1/2014
	TUCO - WOODWARD 345 KV CKT 1 SPS			10/1/2012	6/1/2014
	XFR - Medicine Lodge 345/138 kv			10/1/2012	1/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580552	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76580552	BROKEN BOW - LOUP CITY 115KV CKT 1			10/1/2014	6/1/2016
	Circle - Reno 345kv Dbl CKT			10/1/2012	6/1/2019
	FIRTH - SHELDON 115KV CKT 1			10/1/2013	6/1/2016
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1			6/1/2013	6/1/2016
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2013	6/1/2018
	latan - Jeffrey Energy Center 345 kv KACP			6/1/2013	6/1/2018
	latan - Jeffrey Energy Center 345 kv WERE			6/1/2013	6/1/2018
	latan - Swissvale 345KV KACP			6/1/2013	6/1/2018
	latan - Swissvale 345KV WERE			6/1/2013	6/1/2018
	Lacygne - Mariosa 345KV KACP			6/1/2013	6/1/2018
	Lacygne - Wolf Creek 345KV CKT 2 KACP			6/1/2013	6/1/2017
	Lacygne - Wolf Creek 345KV CKT 2 WERE			6/1/2013	6/1/2017
	Mullergren - Circle 345kv Dbl CKT MKEC			10/1/2012	6/1/2019
	Mullergren - Circle 345kv Dbl CKT WERE			10/1/2012	6/1/2019
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 MIDW			10/1/2012	6/1/2016
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 WERE			10/1/2012	6/1/2016
	Spearville - Mullergren 345kv Dbl CKT			10/1/2012	6/1/2019
	Swissvale - Wolf Creek 345KV			6/1/2013	6/1/2017
	Wolf Creek - Wichita 345KV			6/1/2013	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
76580552	LYONS - RICE CO 115KV CKT 1			10/1/2012	4/1/2013
	NELIGH - PETERSBURG 115KV CKT 1			1/1/2013	1/1/2013

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-019

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	76582326	WR	WR	41	5/1/2013	5/1/2026	6/1/2018	6/1/2031	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76582326	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
76582326	Device - Northwest Manhattan Cap 115 kv			6/1/2014	
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		Yes
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		Yes
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		Yes
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		Yes
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		Yes
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		Yes
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		Yes
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		Yes
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		Yes
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		Yes
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		Yes
	XFR - Medicine Lodge 345/138 kv	10/1/2012	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
76582326	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76582326	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1			6/1/2013	6/1/2018
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

* Overton 345/161/13.8 kv Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.

*34.5 kv System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-022

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	76583607	WR	WR	21	1/1/2014	5/1/2026			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583607	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 KMEA 2012-AG1-023

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	76583617	GRDA	WR	5	1/1/2014	5/1/2026			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583617	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583617	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 KV WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583617	LYONS - RICE CO 115KV CKT 1	10/1/2012	4/1/2013		
	RICE_CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.
 *34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-024

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
KMEA	76583629	WR	WR	4	1/1/2014	1/1/2019	6/1/2019	6/1/2024	\$ -	\$ -	\$ 43,227	\$ 103,349
										\$ -	\$ 103,349	

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76583629	HOLT - NELIGH 345KV CKT 1	10/1/2013	3/1/2019			\$ 43,227	\$ 30,656,000	\$ 103,349
Total						\$ 43,227	\$ 30,656,000	\$ 103,349

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
76583629	Cherry Co - Gentleman 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co - Holt Co 345 kv Ckt1	10/1/2012	1/1/2018		
	Cherry Co 345 kv Terminal Upgrades	10/1/2012	1/1/2018		
	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	IATAN - NASHUA 345KV CKT 1	10/1/2013	6/1/2015		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	Neligh - Hoskins 345 kv Ckt1	10/1/2012	3/1/2019		
	Neligh 345/115 kv Transformer	10/1/2012	3/1/2019		
	TUCO - WOODWARD 345 kv CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 kv CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583629	UNIONRG3 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583629	Circle - Reno 345kv Dbl CKT	10/1/2012	6/1/2019		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mullergren - Circle 345kv Dbl CKT MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345kv Dbl CKT WERE	10/1/2012	6/1/2019		No
	Spearville - Mullergren 345kv Dbl CKT	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583629	BELL - PECK 69KV CKT 1	5/1/2013	5/1/2013	12/1/2012	
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	5/1/2013	6/1/2014		
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	5/1/2013	6/1/2014		
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	5/1/2013	6/1/2014		
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	5/1/2013	6/1/2014		

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76583629	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LYONS - RICE CO 115KV CKT 1	10/1/2012	4/1/2013		
	RICE CO 230/115KV TRANSFORMER CKT 1	10/1/2012	11/15/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	**Total E & C Cost
76583629	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	0.07%	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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

*34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KMEA 2012-AG1-048

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	76586675	KCPL	WR	15	6/1/2013	6/1/2023	6/1/2018	6/1/2028	\$ 155,000	\$ -	\$ 155,000	\$ 472,734
									\$ 155,000	\$ -	\$ 155,000	\$ 472,734

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586675	MARTIN CITY - SOUTHTOWN 161KV CKT 1	6/1/2014	6/1/2014			\$ 155,000	\$ 155,000	\$ 472,734
Total						\$ 155,000	\$ 155,000	\$ 472,734

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
76586675	JATAN - NASHUA 345KV CKT 1	10/1/2013	6/1/2015		Yes
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586675	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586675	BIRMINGHAM - HAWTHORN 161KV CKT 1	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	6/1/2014	6/1/2015		
	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	6/1/2014	6/1/2015		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	6/1/2014	6/1/2014		
	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	6/1/2014	6/1/2016		No
	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	6/1/2014	6/1/2016		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		No
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		No
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		Yes
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	6/1/2013	6/1/2016		
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Jatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Jatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Jatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Jatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		
	SMOKYHL6 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586675	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586675	7OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	10/1/2012	6/1/2014			\$ -	\$ -
	CLINTON - MONTROSE 161KV CKT 1 AECI	6/1/2014	6/1/2015		No	\$ 38,072	\$ 180,000
	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	6/1/2014	6/1/2014			\$ -	\$ -
Total						\$ 38,072	\$ 180,000

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

- *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.
- * Overton 345/161/13.8 kV Transformer is included in the Ameren Expansion plan with an in-service date of 6/1/2014. Cost will not be allocated to the transmission customer.
- *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
 KMEA 2012-AG1-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	76586679	WR	WR	15	6/1/2013	6/1/2023			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586679	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

*Credits may be required for applicable generation interconnection network upgrades.
 *Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
KMEA 2012-AG1-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	76586961	NPPD	WR	1	6/1/2013	5/1/2025	6/1/2019	10/1/2030	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586961	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
76586961	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SP5	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SP5	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 KV	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586961	BROKEN BOW - LOUP CITY 115KV CKT 1	10/1/2014	6/1/2016		
	Circle - Reno 345KV Dbl Ckt	10/1/2012	6/1/2019		No
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2014	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2014	6/1/2015		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	6/1/2013	6/1/2016		
	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	6/1/2013	6/1/2016		
	FIRTH - SHELDON 115KV CKT 1	10/1/2013	6/1/2016		
	HARPER - MILAN TAP 138KV CKT 1 #1	6/1/2014	6/1/2014		
	HARPER - MILAN TAP 138KV CKT 1 #2	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	Mullergren - Circle 345KV Dbl Ckt MKEC	10/1/2012	6/1/2019		No
	Mullergren - Circle 345KV Dbl Ckt WERE	10/1/2012	6/1/2019		No
	SMOKYHLL6 - 230.00 - SUMMIT 230KV CKT 2 MIDW	10/1/2012	6/1/2016		
	SMOKYHLL6 - 230.00 - SUMMIT 230KV CKT 2 WERE	10/1/2012	6/1/2016		
	Spearville - Mullergren 345KV Dbl Ckt	10/1/2012	6/1/2019		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586961	Circle - Reno 345KV Dbl Ckt	10/1/2012	6/1/2019		
	FLATRDG3 - 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	Mullergren - Circle 345KV Dbl Ckt MKEC	10/1/2012	6/1/2019		
	Mullergren - Circle 345KV Dbl Ckt WERE	10/1/2012	6/1/2019		
	NELIGH - PETERSBURG 115KV CKT 1	1/1/2013	1/1/2013		
	Spearville - Mullergren 345KV Dbl Ckt	10/1/2012	6/1/2019		

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

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
NTEC 2012-AG1-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NTEC	76586584	CSWS	CSWS	8	1/1/2013	1/1/2015	6/1/2016	6/1/2018	\$ -	\$ -	\$ -	\$ -
										\$ -	\$ -	

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586584	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
76586584	DIANA - PERDUE 138KV CKT 1 #1			6/1/2013	6/1/2013
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586584	DIANA - PERDUE 138KV CKT 1 #2			6/1/2013	6/1/2016
	MARSHALL 138/69KV			6/1/2014	6/1/2014
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586584	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI			10/1/2013	6/1/2018
	VBI - Arkansas Nuclear One 345KV OKGE			10/1/2013	6/1/2018

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586584	BANN - RED SPRINGS REC 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
76586584	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 5,442,507	\$ 14,966,895
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 1,567,267	\$ 4,309,985
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	6/1/2016		No	\$ 1,878,555	\$ 5,166,026
Total						\$ 8,888,329	\$ 24,442,906

*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.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
 OGE 2012-AG1-008

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
OGE	76571379	OKGE	OKGE	60	12/19/2012	12/19/2032	6/1/2018	6/1/2038	\$ 3,763,800	\$ -	\$ 3,763,800	\$ 18,309,866
									\$ 3,763,800	\$ -	\$ 3,763,800	\$ 18,309,866

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
76571379	HEFNER - TULSA 138KV CKT 1	6/1/2018	6/1/2018			\$ 1,000,400	\$ -	\$ 1,000,400	\$ 1,000,400	\$ 4,866,675
	DIVISION AVE - LAKESIDE 138KV CKT 1	6/1/2018	6/1/2018			\$ 2,763,400	\$ -	\$ 2,763,400	\$ 2,763,400	\$ 13,443,192
	Total					\$ 3,763,800	\$ -	\$ 3,763,800	\$ 3,763,800	\$ 18,309,866

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
76571379	Device - Northwest Manhattan Cap 115 kv	6/1/2014	6/1/2014		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76571379	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	6/1/2018	6/1/2018		
	EL RENO - SERVICE PL EL RENO 69KV CKT 1	6/1/2014	6/1/2015		No
	UNIONRG3 - 115.00 - CHAPMAN 115KV CKT 1	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76571379	CIMARRON - DRAPER LAKE 345KV CKT 1	10/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		No
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		No
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		No
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		No
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		No
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		No
	NORTHWEST 345/138/13.8KV TRANSFORMER CKT 3 Accelerated	6/1/2013	6/1/2015		No
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76571379	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	NORTHWEST - TATONGA 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
76571379	Lacygne - Mariosa 345KV AMRN	6/1/2013	6/1/2018		No	1.21%	100.00%
	SHEELDSHEHSE	10/1/2012	10/1/2012			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.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
PSCM 2012-AG1-021

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	
PSCM	76582673	SPS	LAM345	208	3/1/2013	3/1/2018	6/1/2018	6/1/2023	\$ -	\$ 24,061,440	\$ -	\$ -	
										\$ -	\$ 24,061,440	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76582673	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
76582673	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl Ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	NEWHART INTERCHANGE PROJECT	6/1/2013	6/1/2015		Yes
	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	10/1/2012	10/1/2014		Yes
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76582673	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	6/1/2014	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
76582673	BAILEY COUNTY INTERCHANGE - CURRY COUNTY INTERCHANGE 115KV CKT 1	6/1/2013	6/1/2014		Yes
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	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
76582673	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
76582673	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018			\$ 260,122	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018			2.17%	100.00%
Total						\$ 260,122	\$ 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.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
 TEXTL 2012-AG1-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
TEXTL	76586594	CSWS	CSWS	20	1/1/2013	1/1/2015	6/1/2016	6/1/2018	\$ -	\$ -	\$ 1,920	\$ 4,037	
										\$ -	\$ -	\$ 1,920	\$ 4,037

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76586594	Ft. SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 1,920	\$ 2,500,000	\$ 4,037
Total						\$ 1,920	\$ 2,500,000	\$ 4,037

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
76586594	DIANA - PERDUE 138KV CKT 1 #1	6/1/2013	6/1/2013		
	Line - Comanche County - Medicine Lodge 345 kv dbl ckt	10/1/2012	1/1/2015		No
	Line - Hitchland - Woodward 345 kv dbl ckt OKGE	10/1/2012	7/1/2014		No
	Line - Hitchland - Woodward 345 kv dbl ckt SPS	10/1/2012	7/1/2014		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Wichita 345 kv dbl ckt WERE	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Medicine Lodge - Woodward 345 kv dbl ckt OKGE	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt MKEC	10/1/2012	1/1/2015		No
	Line - Spearville - Comanche County 345 kv dbl ckt SUNC	10/1/2012	1/1/2015		No
	TUCO - WOODWARD 345 KV CKT 1 OKGE	10/1/2012	6/1/2014		No
	TUCO - WOODWARD 345 KV CKT 1 SPS	10/1/2012	6/1/2014		No
	XFR - Medicine Lodge 345/138 kv	10/1/2012	1/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586594	DIANA - PERDUE 138KV CKT 1 #2	6/1/2013	6/1/2016		Yes
	MARSHALL 138/69KV	6/1/2014	6/1/2014		
	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76586594	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76586594	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018			\$ 8,911	\$ 12,000,000
	GRIMES - MT. ZION 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 6,803,134	\$ 14,966,895
	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	10/1/2013	6/1/2016		No	\$ 1,959,084	\$ 4,309,985
	LINE 558 TAP - MT. ZION 138KV CKT 1	10/1/2014	6/1/2016		No	\$ 2,348,194	\$ 5,166,026
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018			0.07%	100.00%
Total						\$ 11,119,323	\$ 36,442,906

*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.

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
WFEC 2012-AG1-004

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
WFEC	76548687	CSWS	WFEC	160	6/1/2014	12/31/2035	6/1/2019	12/1/2040	\$ 1,739,096	\$ -	\$ 1,739,096	\$ 8,095,177
									\$ 1,739,096	\$ -	\$ 1,739,096	\$ 8,095,177

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76548687	ENOS 138KV	6/1/2018	6/1/2018			\$ 555,429	\$ 972,000	\$ 1,759,341
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017	No		\$ 642,682	\$ 14,500,000	\$ 3,970,533
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 76,943	\$ 2,500,000	\$ 444,720
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2018	6/1/2018			\$ 186,429	\$ 326,250	\$ 1,014,819
	WESTMOORE 138KV	6/1/2014	6/1/2015	No		\$ 277,613	\$ 486,000	\$ 905,763
Total						\$ 1,739,096	\$ 18,784,250	\$ 8,095,177

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
76548687	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		No

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76548687	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		No
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76548687	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	Mathewson 345 kv	6/1/2012	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 - WOODWARD EHV 138KV CKT 2	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
76548687	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			3.45%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018	No		\$ 389,816	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018	No		3.25%	100.00%
Total						\$ 389,816	\$ 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.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
WFEC 2012-AG1-005

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
WFEC	76548692	CSWS	WFEC	90	6/1/2017	12/31/2035	6/1/2019	12/1/2037	\$ 978,240	\$ -	\$ 978,240	\$ 4,173,300
									\$ 978,240	\$ -	\$ 978,240	\$ 4,173,300

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76548692	ENOS 138KV	6/1/2018	6/1/2018			\$ 312,429	\$ 972,000	\$ 922,504
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017			\$ 361,508	\$ 14,500,000	\$ 2,029,746
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 43,280	\$ 2,500,000	\$ 227,340
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2018	6/1/2018			\$ 104,866	\$ 326,250	\$ 518,777
	WESTMOORE 138KV	6/1/2014	6/1/2015			\$ 156,157	\$ 486,000	\$ 474,932
Total						\$ 978,240	\$ 18,784,250	\$ 4,173,300

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
76548692	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	10/1/2012	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76548692	Cimarron - Mathewson 345 kv Ckt 1	10/1/2014	6/1/2019		No
	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Mathewson - Tatonga 345 kv Ckt 1	6/1/2014	6/1/2019		No
	Mathewson 345 kv	10/1/2014	6/1/2019		No
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		No
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345KV OKGE	10/1/2013	6/1/2018		No
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76548692	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	Mathewson 345 kv	6/1/2012	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 - WOODWARD EHV 138KV CKT 2	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
76548692	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			1.94%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018		No	\$ 219,271	\$ 12,000,000
	VBI - Arkansas Nuclear One 345KV EES	10/1/2013	6/1/2018		No	1.83%	100.00%
Total						\$ 219,271	\$ 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.

*VBI - Arkansas Nuclear One 345KV OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

*Includes ITPNT and ITP10 projects conditioned on completion of the NTC business practices.

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

Customer Study Number
 WFEC 2012-AG1-006

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
WFEC	76548702	CSWS	WFEC	30	6/1/2019	12/31/2035			\$ 310,959	\$ -	\$ 310,959	\$ 1,234,833
									\$ 310,959	\$ -	\$ 310,959	\$ 1,234,833

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
76548702	ENOS 138KV	6/1/2018	6/1/2018			\$ 104,143	\$ 972,000	\$ 299,574
	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	10/1/2013	6/1/2017			\$ 105,204	\$ 14,500,000	\$ 549,245
	FL SMITH 500 KV CAPACITOR	6/1/2014	6/1/2018			\$ 14,427	\$ 2,500,000	\$ 70,465
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2018	6/1/2018			\$ 34,955	\$ 326,250	\$ 160,793
	WESTMOORE 138KV	6/1/2014	6/1/2015			\$ 52,230	\$ 486,000	\$ 154,756
	Total					\$ 310,959	\$ 18,784,250	\$ 1,234,833

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
76548702	FT SMITH - MUSKOGEE 345KV CKT 1	6/1/2014	6/1/2015		
	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv KACP	6/1/2013	6/1/2018		
	Iatan - Jeffrey Energy Center 345 kv WERE	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV KACP	6/1/2013	6/1/2018		
	Iatan - Swissvale 345KV WERE	6/1/2013	6/1/2018		
	Lacygne - Mariosa 345KV KACP	6/1/2013	6/1/2018		
	Lacygne - Wolf Creek 345KV CKT 2 KACP	6/1/2013	6/1/2017		
	Lacygne - Wolf Creek 345KV CKT 2 WERE	6/1/2013	6/1/2017		
	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	10/1/2013	6/1/2018		
	SUB 124 - AURORA H.T. 69KV	6/1/2014	6/1/2018		
	Swissvale - Wolf Creek 345KV	6/1/2013	6/1/2017		
	VBI - Arkansas Nuclear One 345kv OKGE	10/1/2013	6/1/2018		
	Wolf Creek - Wichita 345KV	6/1/2013	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available
76548702	Cimarron - Mathewson 345 kv Ckt 1	6/1/2012	6/1/2019		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	Mathewson 345 kv	6/1/2012	6/1/2019		
	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		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Start Date	Redispatch Available	*Allocated E & C Cost	*Total E & C Cost
76548702	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	10/1/2013	10/1/2013			0.72%	100.00%
	Arkansas Nuclear One 500/345 Transformer	10/1/2013	6/1/2018			\$ 73,090	\$ 12,000,000
	VBI - Arkansas Nuclear One 345kv EES	10/1/2013	6/1/2018			0.61%	100.00%
	Total					\$ 73,090	\$ 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.

*VBI - Arkansas Nuclear One 345kv OKGE and Arkansas Nuclear One 500/345 Transformer

Network Upgrades proposed to mitigate violation of Contract Path Limit of 5180 MW from SPP to Entergy and other SPP thermal overloads and voltage violations.

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

Customer	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1 Accelerate	Rebuild 10.24 miles with 2156 ACSR, replace Chamber Springs wavetrap, replace Farmington AECC bus, and reset relays.	6/1/2014	6/1/2016	\$5,247,483
AEPW	NORTHWEST TEXARKANA - NW TEXARKANA-BANN T 138KV CKT 1	Rebuild 0.3 and Replace Switch @ NORTHWEST TEXARKANA	6/1/2018	6/1/2018	\$605,000
AEPW	WILKES (WILKES) 345/138/13.2KV TRANSFORMER CKT 1	Replace auto	6/1/2018	6/1/2018	\$5,500,000
MIPU	MARTIN CITY - SOUTHTOWN 161KV CKT 1	Replace terminal equipment at Martin City	6/1/2014	6/1/2014	\$155,000
NPPD	HOLT - NELIGH 345KV CKT 1	Build new 1.6 miles 345 kv Holt - Neligh and associated terminal equipment	10/1/2013	3/1/2019	\$30,656,000
OKGE	AGENCY - PECAN CREEK 161KV CKT 1	Replace Terminal Equipment	7/1/2015	6/1/2016	\$250,000
OKGE	DIVISION AVE - LAKESIDE 138KV CKT 1	Reconductor 3.37 miles of 138kv from DIVISION AVE to HAYMAKER	6/1/2018	6/1/2018	\$2,763,400
OKGE	FT SMITH (FTSMITH1) 500/345/13.8KV TRANSFORMER CKT 1	Install 2nd 500/345 kv bus tie in Ft. Smith Sub	10/1/2013	6/1/2017	\$14,500,000
OKGE	FT. SMITH 500 kv CAPACITOR	Install 60 MVAR of 500 kv capacitors at Ft. Smith Sub plus make breaker & 1/2	6/1/2014	6/1/2018	\$2,500,000
OKGE	G08-13T 345.00 - WOODRING 345KV CKT 1	Replace Terminal Equipment	10/1/2013	6/1/2018	\$1,000,000
OKGE	HAMMETT TAP - HORSESHOE LAKE 138KV CKT 1	Reconductor 4.84 miles of 138kv from HAMMETT TAP to HORSESHOE LAKE	6/1/2018	6/1/2018	\$3,968,800
OKGE	HEFNER - TULSA 138KV CKT 1	Reconductor 1.22 miles of 138kv from HEFNER to TULSA AVE	6/1/2018	6/1/2018	\$1,000,400
OKGE	MUSKOGEE - ROSS LAKE 161KV CKT 1	Replace 800A wave trap at Muskogee and increase relay CTR to 1200-5.	7/1/2015	6/1/2018	\$350,000
OKGE	PARK LANE - SEMINOLE 138KV CKT 1	Upgrade terminal equipment breaker & CT	6/1/2018	6/1/2018	\$326,250
OKGE	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	Replace Transformer	7/1/2015	6/1/2018	\$5,500,000
WERE	SUMNERCO 345.00 - WICHITA 345KV CKT 1	Replace Terminal Equipment	10/1/2013	6/1/2018	\$1,000,000
WFEC	ENOS 138KV	Install 24 Mvar capacitor at ENOS 138KV	6/1/2018	6/1/2018	\$972,000
WFEC	WESTMOORE 138KV	Install 12 Mvar capacitor at WESTMOORE 138KV	6/1/2014	6/1/2015	\$486,000

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

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	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	Replace Tontitown wavetraps & jumpers	6/1/2018	6/1/2018
AEPW	FLINT CREEK - SILOAM SPRINGS TAP 345KV CKT 1 AEPW	Replace Terminal Equipment	6/1/2018	6/1/2018
		Rebuild and reconductor 4.0 miles of 4/0 ACSR 69 kv to 1590 ACSR 161 kv from converting North Huntington to Midland REC to 161 kv. Add 161 kv terminal at North Huntington, Rebuild and reconductor Midland REC- Midland from 69 kv 4/0 ACSR to 161 kv 1590 AC	6/1/2014	6/1/2017
AEPW	Multi - Bonanza - North Huntington 69kv	Midland from 69 kv 4/0 ACSR to 161 kv 1590 AC	6/1/2014	6/1/2017
AEPW	Waldron 69 kv Capacitor	Add 12 MVAR to Waldron 69 kv	6/1/2014	6/1/2018
EMDE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 EMDE	Rebuild 91.4% ownership of 28.41 miles	10/1/2013	6/1/2016
EMDE	SUB 124 - AURORA H.T. 69kv	Install 3 - stages of 22 MVAR each for total of 66 MVAR capacitor bank at Aurora Sub #124 bus# 547537	6/1/2014	6/1/2018
GRDA	GRDA1 - SILOAM SPRINGS TAP 345KV CKT 1 Accelerate	Replace Terminal Equipment	6/1/2014	6/1/2015
		Reconductor line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2014	6/1/2015
KACP	BIRMINGHAM - HAWTHORN 161KV CKT 1	Reconductor 3.41 miles of 4.03 mile line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2014	6/1/2015
KACP	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 KACP	Build 14.2 miles of new 345 kv	6/1/2013	6/1/2018
KACP	Iatan - Jeffrey Energy Center 345 kv KACP	Build approximately 32 of 64 miles of 345kv Iatan - Swissvale	6/1/2013	6/1/2018
KACP	Iatan - Swissvale 345KV KACP	Build approximately 181 miles of 345kv Lacygne - Mariosa	6/1/2013	6/1/2018
KACP	Lacygne - Mariosa 345KV KACP	Build approximately 36.5 miles of 73 miles of 345kv ckt 2 Lacygne - Wolf Creek	6/1/2013	6/1/2017
KACP	Lacygne - Wolf Creek 345KV CKT 2 KACP	Build ownership of 39.5 mile second circuit	10/1/2012	6/1/2016
MIDW	SMOKYH6 230.00 - SUMMIT 230KV CKT 2 MIDW	Reconductor 0.62 miles of 4.03 mile line with 1192 ACSS & upgrade terminal equipment for 1200 amps	6/1/2014	6/1/2015
MIPU	BIRMINGHAM - LIBERTY SOUTH 161KV CKT 1 MIPU	Replace 800 amp wavetraps with 1200 amp unit	6/1/2014	6/1/2014
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #1	Reconductor 2.5 mile from Blue Springs South - Blue Springs East 161 kv to 795 ACSS. Upgrade substation equipment to 2000 Amps.	6/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - BLUE SPRINGS EAST 161KV CKT 1 #2	Reconductor 3.21 miles from Blue Springs to Prairie Lee 161 kv to 795 ACSS. Upgrade substation equipment to 2000 Amps.	6/1/2014	6/1/2016
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #2	Rebuild MKEC portion of the Clearwater-Milan tap 115 kv	6/1/2014	6/1/2015
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	Replace Wave Trap at Harper Substation	6/1/2014	6/1/2014
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1	Rebuild 22.1 miles	6/1/2014	6/1/2015
MKEC	HARPER - MILAN TAP 138KV CKT 1 #2	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2019
MKEC	Mullergren - Circle 345KV Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2019
MKEC	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2019
MKEC	Spearville - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345kv Spearville - Mullergren	10/1/2012	6/1/2019
NPPD	BROKEN BOW - LOUP CITY 115KV CKT 1	Terminal upgrades at both ends and a rebuild of the 266 ACSR segment (11 miles of 39 mile line)	10/1/2014	6/1/2016
NPPD	FIRTH - SHELDON 115KV CKT 1	Rebuild 12.7 miles	10/1/2013	6/1/2016
OKGE	5 TRIBES - HANCOCK 161KV CKT 1 #2	Reconductor 2.75 miles of transmission line to 1590A552	6/1/2013	6/1/2014
		Reconductor 4.07 miles of line to 1590A552 and replace 2-wave traps, 1-161kv breaker, 3-switches @ Five Tribes & 5-switches, relaying @ Pecan Creek.	6/1/2013	6/1/2015
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1 Accelerate	Replace existing 800 amp wave trap with 1200 amp in VBI sub	6/1/2014	6/1/2018
OKGE	ADABELL - VBI 161KV CKT 1	Replace Terminal Equipment	10/1/2014	6/1/2015
OKGE	CIMARRON - DRAPER LAKE 345KV CKT 1	Build new 16 mile 345 kv line from Mathewson to Cimarron.	10/1/2014	6/1/2019
OKGE	Cimarron - Mathewson 345 kv Ckt 1	Replace 1600 amp 345 kv CT in both Muskogee and Ft.Smith Subs	6/1/2014	6/1/2015
OKGE	FT SMITH - MUSKOGEE 345KV CKT 1	Build new 61 mile Tatonga - Mathewson 345 kv line.	6/1/2014	6/1/2019
OKGE	Mathewson - Tatonga 345 kv Ckt 1	Build new Mathewson 345 kv substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kv lines.	10/1/2014	6/1/2019
OKGE	Mathewson 345 kv	Build 70.95 mile 345 kv line plus two new 345/161 kv bus ties at VBI sub	10/1/2013	6/1/2018
OKGE	Muskogee - VBI 345 kv with 345/161 kv bus tie at VBI	Install third 345/138 kv Bus Tie in Northwest Sub	6/1/2013	6/1/2015
OKGE	NORTHWEST 345/138/113.8kv TRANSFORMER CKT 3 Accelerated	Build 73 miles of 345kv line	10/1/2013	6/1/2018
OKGE	VBI - Arkansas Nuclear One 345KV OKGE	40 miles 115 kv between Bailey and Curry.	6/1/2013	6/1/2014
SPS	BAILEY COUNTY INTERCHANGE - CURRY COUNTY INTERCHANGE 115KV CKT 1	Rebuild 3.73 miles	6/1/2014	6/1/2016
SPS	CANYON EAST SUB - CANYON WEST SUB 115KV CKT 1	Rebuild 18 miles	6/1/2014	6/1/2016
SPS	CANYON EAST SUB - RANDALL COUNTY INTERCHANGE 115KV CKT 1	Construct approximately 2 miles of new 115 kv line from Randall Co. with 795 ACSR. Tie new line into V70 around (not to) Osage Substation. Add new 115 kv terminal at Randall Co. Interchange. (Re-build Randall 115 kv bus to breaker and one-half design.)	6/1/2013	6/1/2015
SPS	Line - Osage Station and Line Re-termination Accelerate	Build approximately 6 miles of double 345kv Circle - Reno	10/1/2012	6/1/2019
WERE	Circle - Reno 345KV Dbl CKT	Rebuild WERE portion of the Clearwater-Milan tap 115 kv	6/1/2014	6/1/2015
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	Upgrade disconnect switches, wavetraps, breaker, jumpers	6/1/2013	6/1/2016
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #1	Rebuild 4.8 miles	6/1/2013	6/1/2016
WERE	EVANS ENERGY CENTER NORTH - MAIZE 138KV CKT 1 #2	Rebuild 11.25 miles 115 kv line with bundled 1192.5 ACSR and wood H-frame tangent structures and Steel 3-pole running angle and deadends. Substation work at Goodyear (Station 1) substation will include 115kv buswork, one 115kv breaker, associated equipme	6/1/2013	6/1/2016
WERE	GOODYEAR JUNCTION - INDIAN HILLS 115KV CKT 1	Reconductor 24.3 miles	6/1/2013	6/1/2018
WERE	HOYT - JEFFREY ENERGY CENTER 345KV CKT 1	Build 56.8 miles of new 345 kv	6/1/2013	6/1/2018
WERE	Iatan - Jeffrey Energy Center 345 kv WERE	Build approximately 32 of 64 miles of 345kv Iatan - Swissvale	6/1/2013	6/1/2018
WERE	Iatan - Swissvale 345KV WERE	Build approximately 36.5 miles of 73 miles of 345kv ckt 2 Lacygne - Wolf Creek	6/1/2013	6/1/2017
WERE	Lacygne - Wolf Creek 345KV CKT 2 WERE	Build ownership of approximately 79 miles of double 345kv Mullergren - Circle	10/1/2012	6/1/2019
WERE	Mullergren - Circle 345KV Dbl CKT WERE	Tear down and rebuild Neosho-Columbus SE 161 kv line (WERE = 2.4 miles) and replace WERE wave trap.	10/1/2013	6/1/2016
WERE	NEOSHO - SUB 452 - RIVERTON 161KV CKT 1 WERE	Build ownership of 39.5 mile second circuit	10/1/2012	6/1/2016
WERE	SMOKYH6 230.00 - SUMMIT 230KV CKT 2 WERE	Build approximately 50 miles of 345kv Swissvale - Wolf Creek	6/1/2013	6/1/2017
WERE	Swissvale - Wolf Creek 345KV	Build approximately 117 miles of double 345kv Wolf Creek - Wichita	6/1/2013	6/1/2017
WERE	Wolf Creek - Wichita 345KV			

Planned 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)
WERE	BELL - PECK 69KV CKT 1	Tear down / Rebuild 8.23 mile Bell-Peck 69 kv line with 1192 ACSR and replace CT	5/1/2013	5/1/2013
WERE	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Tear down / Rebuild 7.3-miles with 954 ACSR	5/1/2013	6/1/2014
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Tear down / Rebuild 2.1-miles with 954 ACSR	5/1/2013	6/1/2014
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Tear down / Rebuild 9.1-miles with 954 ACSR	5/1/2013	6/1/2014
WERE	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Tear down / Rebuild 9.4-miles with 954 ACSR	5/1/2013	6/1/2014

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	DIANA - PERDUE 138KV CKT 1 #1	Replace Breakers 9310 & 10080 & five switches @ Perdue. Replace switch 12798 @ Diana	6/1/2013	6/1/2013
AEPW	NORTHWEST TEXARKANA - VALLIANT 345KV CKT 1	Build a new 76 mile 345 kv line from Valliant to NW Texarkana with at least 3000 A capacity. Upgrade the Valliant and NW Texarkana substations with the necessary breakers and terminal equipment.	10/1/2012	10/1/2014
ITCGP	Line - Post Rock - Axtell 345 kv	Build new 345 kv line from Wolf to interception point of Axtell to Wolf line (Kansas Border). Includes line reactor	10/1/2012	6/1/2013
ITCGP	Line - Spearville - Post Rock 345 kv	Build new 345 kv line from Knoll to interception point of Spearville to Knoll line. Updated for approved route mileage; reflect addition of reactor at Post Rock (40Mvar)	10/1/2012	10/1/2012
ITCGP	XFR - Post Rock 345/230 kv	Build Post Rock substation to include a 600 MVA 345/230 kv auto transformer with 345 kv ring bus configuration	10/1/2012	10/1/2012
KACP	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kv bus in Hawthorn - St. Joseph 345 kv line. Build new 345 kv line from Iatan to Nashua, Add Nashua 345/161 kv	10/1/2013	6/1/2015
MKEC	Line - Comanche County - Medicine Lodge 345 kv dbi ckt	Build a new 55 mile double circuit 345 kv line	10/1/2012	1/1/2015
MKEC	Line - Medicine Lodge - Wichita 345 kv dbi ckt MKEC	Build a new 35 mile double circuit 345 kv line with at least 3000 A capacity from the new Medicine Lodge 345 kv substation to the WR interception from the Wichita substation.	10/1/2012	1/1/2015
MKEC	Line - Medicine Lodge - Woodward 345 kv dbi ckt MKEC	Build a new 28.6 mile dbi ckt 345 kv line with at least 3000 A capacity from the Medicine Lodge sub to the KS/OK state border towards the Woodward District EHV sub. Install the necessary breakers and terminal equipment at the Medicine Lodge sub.	10/1/2012	1/1/2015
MKEC	Line - Spearville - Comanche County 345 kv dbi ckt MKEC	Build a new 27.5 mile double circuit 345 kv line	10/1/2012	1/1/2015
MKEC	XFR - Medicine Lodge 345/138 kv	Install a 400 MVA 345/138 kv transformer at the new 345 kv Medicine Lodge substation.	10/1/2012	1/1/2015
NPPD	Cherry Co - Gentleman 345 kv Ckt1	Build new 345 kv Transmission Line from GGS 345 kv Substation to a new Cherry County 345 kv Substation (76 miles).	10/1/2012	1/1/2018
NPPD	Cherry Co - Holt Co 345 kv Ckt1	Build new 345 kv Transmission Line from new Cherry County 345 kv Substation to new 345 kv Holt County Substation. (Estimated 146 miles).	10/1/2012	1/1/2018
NPPD	Cherry Co 345 kv Terminal Upgrades	Build new Cherry County 345 kv Substation.	10/1/2012	1/1/2018
NPPD	Line - NPPD - Axtell - Kansas Border 345 kv	Build new 345 kv line from Axtell to interception point of Axtell to Wolf line (Kansas Border). Includes substation expansion at Axtell and line reactor.	10/1/2012	6/1/2013
NPPD	Neligh - Hoskins 345 kv Ckt1	Build a new 50 mile 345 kv line from Hoskins to Neligh	10/1/2012	3/1/2019
NPPD	Neligh 345/115 kv Transformer	Construct new substation at Neligh. Install a new 345/115 kv transformer at Neligh.	10/1/2012	3/1/2019
OKGE	Line - Hitchland - Woodward 345 kv dbi ckt OKGE	Build a new 60.5 mile double circuit 345 kv line	10/1/2012	7/1/2014
OKGE	Line - Medicine Lodge - Woodward 345 kv dbi ckt OKGE	Build a new 79 mile dbi ckt 345 kv line with at least 3000 A capacity from the Woodward District EHV sub to the KS/OK state border towards the Medicine Lodge sub. Upgrade the Woodward District EHV sub with the necessary breakers and terminal equipment.	10/1/2012	1/1/2015
OKGE	TUCO - WOODWARD 345 KV CKT 1 OKGE	Build new 345 kv line from Woodward EHV to Tuco	10/1/2012	6/1/2014
SPS	Line - Hitchland - Woodward 345 kv dbi ckt SPS	Build a new 60.5 mile double circuit 345 kv line	10/1/2012	7/1/2014
SPS	NEWHART INTERCHANGE PROJECT	Tap the Potter Interchange - Plant X Station 230 kv line for new Newhart Substation and install 230/115 kv, 150/173 MVA transformer. New 15 mile Lampton Interchange - Hart Industrial Substation 115 kv line. New 19 mile Swisher County Interchange - Newhart	6/1/2013	6/1/2015
SPS	TUCO - WOODWARD 345 KV CKT 1 SPS	Build new 345 kv line from Woodward EHV to Tuco	10/1/2012	6/1/2014
SUNC	Line - Spearville - Comanche County 345 kv dbi ckt SUNC	Build a new 27.5 mile double circuit 345 kv line with at least 3000 A capacity from the Spearville substation to the MKEC interception point from the new Comanche County substation.	10/1/2012	1/1/2015
WERE	Device - Northwest Manhattan Cap 115 kv	Install 1 stage of 14.4 MVAR	6/1/2014	6/1/2014
WERE	Line - Medicine Lodge - Wichita 345 kv dbi ckt WERE	Build a new 35 mile double circuit 345 kv line	10/1/2012	1/1/2015
WERE	MOUNDRIAGE 138/115KV TRANSFORMER CKT 2	Install second 138/115 kv transformer at Moundridge. Operate both 138/115 kv transformers normally closed.	10/1/2012	6/1/2015

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	Rebuild 9.0 mile Prattville-Bluebell 138 kv line from 795 ACSR to 1590 ACSR. New summer ratings 287/287 limited by breaker, switches, CTs, wave trap.	6/1/2018	6/1/2018
AEPW	DIANA - PERDUE 138KV CKT 1 #2	Rebuild 21.85 mile Diana-Perdue 138 kv line. Replace switches, wave traps and jumpers, and upgrade CT ratios at Diana and Perdue. Upgrade relay settings at Diana.	6/1/2013	6/1/2016
AEPW	MARSHALL 138/69KV	Replace Jumpers and Switches at Marshall Substation 138/69 kv.	6/1/2014	6/1/2014
MIPU	BLUE SPRING SOUTH - PRAIRIE LEE 161KV CKT 1 #1	Replace Prairie Lee 800 amp wavetrap with 1200 amp unit	6/1/2014	6/1/2014
OKGE	5 TRIBES - HANCOCK 161KV CKT 1 #1	Replace 800A Wave Trap, increase Relay CTR to 1200-SA.	6/1/2013	6/1/2014
OKGE	EL RENO - SERVICE PL EL RENO 69KV CKT 1	Replace 400 amp CT in El Reno sub with 800 amp	6/1/2014	6/1/2015
SPS	LUBBOCK SOUTH INTERCHANGE 230/115/13.2KV TRANSFORMER CKT 2	Install a second 230/115/13.2 kv transformer at Lubbock South.	6/1/2014	6/1/2016
WERE	UNIONRGS 115.00 - CHAPMAN 115KV CKT 1	Build 24 mile 115 kv line	6/1/2015	6/1/2015
WFEC	SOUTHWESTERN STATION - WASHITA 138KV CKT 1 Terminal Equipment	Upgrade 1200A wavetrap at Washita.	10/1/2012	6/1/2015

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

Network Upgrades requiring credits per Attachment 22 of the SPP OATT.				
Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BANN - RED SPRINGS REC 138KV CKT 1	Replace 138 kv breakers 3300 & 3310	7/1/2012	7/1/2012
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	7/1/2012	7/1/2012
EMDE	SUB 110 - OROONGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
MIDW	CIRCLE - RICE_CO 230KV CKT 1	Convert from 115KV to 230KV operation	10/1/2012	11/15/2012
MIDW	LYONS - RICE_CO 115KV CKT 1	Rebuild 11.7 mile line	10/1/2012	4/1/2013
MIDW	RICE_CO 230/115KV TRANSFORMER CKT 1	Add 230/115KV Transformer	10/1/2012	11/15/2012
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	6/1/2011	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	Mullergren - Circle 345KV Dbl CKT MKEC	Build ownership of approximately 79 miles of double 345KV Mullergren - Circle	10/1/2012	6/1/2019
MKEC	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345KV Mullergren - Circle	10/1/2012	6/1/2019
MKEC	Spearville - Mullergren 345KV Dbl CKT	Build approximately 74 miles of double 345KV Spearville - Mullergren	10/1/2012	6/1/2019
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	Cimarron - Mathewson 345 kv Ckt 1	Build new 16 mile 345 kv line from Mathewson to Cimarron.	6/1/2012	6/1/2019
OKGE	GRACMNT4 138.00 - WASHITA 138KV CKT 2 OKGE	Build 138KV Terminal.	1/1/2012	1/1/2012
OKGE	Mathewson - Tatonga 345 kv Ckt 1	Build new 61 mile Tatonga - Mathewson 345 kv line.	6/1/2012	6/1/2019
OKGE	Mathewson 345 kv	Build new Mathewson 345 kv substation at the intersection of the Woodring-Cimarron and the existing Northwest - Tatonga 345 kv lines.	6/1/2012	6/1/2019
OKGE	NORTHWEST - TATONGA 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	TATONGA - WOODWARD 345KV CKT 1	Build 345 kv line	1/1/2010	1/1/2010
OKGE	WOODWARD - IODINE 138KV CKT 1	Tap Iodine to Woodward 138 kv line	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 1	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 2	Build .5 miles of 138 kv and install terminal equipment	1/1/2010	1/1/2010
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kv XF	1/1/2010	1/1/2010
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap at Harrington East	6/1/2015	6/1/2015
WERE	Circle - Reno 345KV Dbl CKT	Build approximately 6 miles of double 345KV Circle - Reno	10/1/2012	6/1/2019
WERE	DEARING 138KV Capacitor	Dearing 138 kv 20 MVAR Capacitor Addition	6/1/2012	6/1/2012
WERE	LYONS - WHEATLAND 115KV CKT 1 #1	Replace CTS	10/1/2012	7/15/2013
WERE	LYONS - WHEATLAND 115KV CKT 1 #2	Rerate circuit to 1000 amps	10/1/2012	7/15/2013
WERE	Mullergren - Circle 345KV Dbl CKT WERE	Build ownership of approximately 79 miles of double 345KV Mullergren - Circle	10/1/2012	6/1/2019
WFEC	GRACMNT4 138.00 - WASHITA 138KV CKT 2 WFEC	Build approximately 6 miles of 138kv.	1/1/2012	1/1/2012
WFEC	HUGO POWER PLANT - VALLIANT 345KV CKT 1 WFEC	New 19 miles 345 kv	7/1/2012	7/1/2012
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

Customer	UpgradeName	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	7JASPER 345.00 - BLACKBERRY 345KV CKT 1	Reconductor with 1192.5 54/19 ACSR, 100C. 16 Miles.	6/1/2013	6/1/2016	\$ 8,000,000
AECI	7JASPER 345.00 - MORGAN 345KV CKT 1	Reconductor with 1192.5 54/19 ACSR, 100C. 36 Miles.	6/1/2014	6/1/2016	\$ 18,000,000
AECI	BLACKBERRY - NEOSHO 345KV CKT 1	Reconductor with 1192.5 54/19 ACSR, 100C. 40 miles	6/1/2018	6/1/2018	\$ 20,000,000
AECI	CLINTON - MONTROSE 161KV CKT 1 AECI	Upgrade limiting terminal equipment at Clinton	6/1/2014	6/1/2015	\$ 180,000
AECI	COFFMAN - HUBEN 161KV CKT 1	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AECI	HUBEN 345/161KV TRANSFORMER CKT 1	Indeterminate	6/1/2014	6/1/2014	Indeterminate
AECI	MONTCOMERY CITY - WILLIAMSBURG 161KV CKT 1	Indeterminate	6/1/2018	6/1/2018	Indeterminate
AMMO	SOVERTON 161.00 - SOVERTON 2 161.00 161KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
AMMO	7OVERTON 345.00 (I) 345/161/13.8KV TRANSFORMER CKT 1	Replace existing 345-161KV transformer with 560MVA unit, install 345KV high side breaker, 138KV XFMR low side breaker and bus to obtain 2000A min	10/1/2012	6/1/2014	
AMRN	Lacyrne - Mariosa 345KV AMRN	Indeterminate	6/1/2013	6/1/2018	Indeterminate
EES	ARKANSAS NUCLEAR ONE - PLEASANT HILL 500KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	Arkansas Nuclear One 500/345 Transformer	Build 500/345 KV Transformer at ANO	10/1/2013	6/1/2018	\$ 12,000,000
EES	BOGALUSA - FRANKLIN 500KV CKT 1	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	BULL SHOALS - MIDWAY (YVEPA) 161KV CKT 1 EES	Indeterminate	6/1/2014	6/1/2014	Indeterminate
EES	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	Indeterminate	10/1/2014	10/1/2014	Indeterminate
EES	GRIMES - MT. ZION 138KV CKT 1	Upgrade Transmission Line 19.19 miles	10/1/2013	6/1/2016	\$ 14,966,895
EES	HARTSBURG - INLAND-ORANGE 230KV CKT 1	Indeterminate	10/1/2013	10/1/2013	Indeterminate
EES	HUNTSVILLE - LINE 558 TAP 138KV CKT 1	Upgrade Transmission Line 2.3 miles	10/1/2013	6/1/2016	\$ 4,309,985
EES	LINE 558 TAP - MT. ZION 138KV CKT 1	Upgrade Transmission Line 5.3 miles	10/1/2014	6/1/2016	\$ 5,166,026
EES	SHEELDSHESE	Indeterminate	10/1/2012	10/1/2012	Indeterminate
EES	VBI - Arkansas Nuclear One 345KV EES	Indeterminate	10/1/2013	6/1/2018	Indeterminate
SWPA	BUFORD 5 161.00 - NORFORK 161KV CKT 1	Rebuild line with 1192 ACSR, Grackle	6/1/2014	6/1/2016	
SWPA	NORTH WARSAW - TRUMAN 161KV CKT 1 SWPA	Replace wave trap and CTs at Truman.	6/1/2014	6/1/2014	