



*Aggregate Facility Study
SPP-2009-AGP2-AFS-2
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

SPP AGGREGATE FACILITY STUDY (SPP-2009-AGP2-AFS-2)

February 5, 2010

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1. Executive Summary

Pursuant to Attachment Z1 of the Southwest Power Pool Open Access Transmission Tariff (OATT), 3890 MW of long-term transmission service requests have been restudied 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. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. Further, Attachment Z2 provides for facility upgrade cost recovery by stating that “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 total assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is \$98 Million. Additionally an indeterminate amount of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is \$240 Million. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. AFS data table 3 reflects the allocation of upgrade costs to each request without potential base plan funding based on either the requested reservation period or the deferred reservation period if applicable. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$46 Million.

Third-party facilities must be upgraded when it is determined they are constrained in order to accommodate the requested Transmission Service. These 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 engineering and construction cost estimates for required third-party facility upgrades are indeterminate.

The Transmission Provider will tender a Letter of Intent on February 5th, 2010. 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 (Customer) by February 20th, 2010, 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.

2. Introduction

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. On August 8, 2008, Southwest Power Pool filed with the Federal Energy Regulatory Commission in Docket ER08-1379-000 to pair open seasons closing during

the period January 1, 2008 through January 31, 2010, with an effective date of August 9, 2008. The 2009-AG2 open season commenced on February 1, 2009 and closed May 31, 2009. The 2009-AG3 open season commenced on June 1, 2009 and September May 30, 2009. Based on the preceding, all requests for long-term transmission service received prior to June 1, 2009 for 2009 AG2 and October 1, 2009 for 2009 AG3 with a signed study agreement have been included in the second paired Aggregate Transmission Service Study (ATSS) of 2009. This report SPP-2009-AGP2-AFS-1 signals the completion of the first stage of the AFS.

Approximately 3890 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$98 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 6. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z1 is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by study as well as potential base plan allowances as determined by Attachments J and Z1. The following URL can be used to access the SPP OATT:

http://www.spp.org/Publications/SPP_Tariff.pdf. In order to understand the extent to which base plan upgrades may be applied to both point-to-point 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.” Therefore, not only network service, but also point-to-point 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, Point-to-Point 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 as 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.

A. Financial Analysis

The AFS utilizes the allocated customer 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, then 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.

Achievable Base Plan Avoided Revenue Requirements 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.B methodology. A deferred Base Plan upgrade being 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 being defined as the same network upgrade being displaced by a requested upgrade needed at an earlier date. Assumption of a 40 year service life is utilized for Base Plan funded projects unless provided otherwise 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.

B. 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 engineering and construction cost estimates for required third-party facility upgrades are indeterminate. 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 engineering and construction 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 3rd Party Owner detailing the mitigation of the 3rd 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 3rd party facilities for load that sinks outside the SPP footprint with the applicable Transmission Providers.

3. Study Methodology

A. 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. The Southwest Power Pool conforms to the NERC Reliability Standards, which provide the strictest requirements, related to voltage violations and thermal overloads during normal conditions and during a contingency. It requires that all facilities 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 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 Tucco 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 69kV 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, and ENTR and a 2 % TDF cutoff was applied to MEC, and 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.

B. Model Development

SPP used seven seasonal models to study the aggregate transfers of 3210 MW over a variety of requested service periods. The SPP STEP 2009 Build 3 Cases 2010 Summer Peak (10SP), 2010/11 Winter Peak (11WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), 2014 Summer Peak (14SP), 2014/15 Winter Peak (14WP), and 2019 Summer Peak (19SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the current modeling information. Five groups of requests were developed from the aggregate of 3890 MW in order to minimize counter flows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the seven seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS

transmission requests not already included in the SPP 2009 Series Cases flowing in a West to East direction with ERCOTN HVDC Tie South to North, ERCOTE HVDC Tie East to West, SPS exporting, and SPS importing from the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2009 Series Cases flowing in an East to West direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2009 Series Cases flowing in a South to North direction with ERCOTN HVDC tie South to North, ERCOTE HVDC tie East to West, SPS exporting, and SPS exporting to the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2009 Series Cases flowing in a North to South direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS importing from the Lamar HVDC tie. Scenario 5 include all transmission not already included in the SPP 2009 Series Cases with ERCOTN North to South, ERCOTE East to West, SPS importing and SPS exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transmission Request Modeling

Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation transfers. The Generation to Load modeling is accomplished by developing a pre-transfer case by redispatching the existing designated network resource(s) down by the new designated network resource request amount and scaling down the applicable network load by the same amount proportionally. The post-transfer case for comparison is developed by scaling the network load back to the forecasted amount and dispatching the new designated network resource being requested. 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. If the Network Integration Transmission Service request application clearly documents that the existing designated network resource(s) is being replaced or undesignated by the new designated network resource then MW impact credits will be given to the request as is done for a redirect of existing transmission service. 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.

D. 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.

E. Curtailment and Redispatch Evaluation

During any period when SPP determines that a transmission constraint exists on the Transmission System, and such constraint may impair the reliability of the Transmission System, SPP will take whatever actions that are reasonably necessary to maintain the reliability of the Transmission System. To the extent SPP determines that the reliability of the Transmission System can be maintained by redispatching resources, SPP will evaluate 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. If transmission customer would like to see additional relief pairs beyond the relief pairs determined, the transmission customer can request SPP to provide the additional pairs. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the AFS. 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), 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 customer but required for service to be confirmed, credits to be paid for previously assigned AFS or GI network upgrades, and any third party upgrades required. 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 and 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 upon 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. Additionally, 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 5 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 Engineering and Construction 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 “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 (140-54) or 86 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 “OR” pricing of 128 million revenue requirements to be paid back to the Transmission Owners and the remaining revenue requirements of (140-128) or 12 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 “OR” pricing 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.

B. 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. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated with out 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.

5. 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 February 5th, 2010. 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 (Customer) by February 20th, 2010, 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 Engineering and Construction costs assigned to the Customer. This letter of credit is not required for those facilities that are base plan funded or funded by Point to

Point base rate. This amount is for all assignable Network Upgrades less pre-payment requirements. The amount of the letter of credit will be adjusted down on an annual basis to reflect amortization of these costs. The Transmission Provider will issue notifications to construct network upgrades to the constructing Transmission Owner after filing of necessary service agreements at FERC.

6. Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASES:

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 CASES:

Solutions – AC contingency checking (ACCC)

MW mismatch tolerance – 0.5

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 form 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

Var limits - Apply automatically

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) with reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG3-2009-046	73453750	CSWS	CSWS	101	1/1/2011	1/1/2031	6/1/2014	6/1/2034	1/1/2011	1/1/2031	0	11SP
AEPM	AG3-2009-043	73453863	CSWS	CSWS	50	1/1/2011	1/1/2031	6/1/2013	6/1/2033	1/1/2011	1/1/2031	0	11SP
AEPM	AG3-2009-042	73453875	CSWS	CSWS	49	1/1/2011	1/1/2031	6/1/2013	6/1/2033	1/1/2011	1/1/2031	0	11SP
CRGL	AG3-2009-032	73194190	WR	AECI	201	1/1/2011	1/1/2016	6/1/2015	6/1/2020	1/1/2011	1/1/2016	0	11SP
GRDX	AG3-2009-033	73453318	GRDA	SPA	20	6/30/2010	6/30/2038	6/1/2014	6/1/2042	6/30/2010	6/30/2038	0	11SP
KEPC	AG3-2009-020	73440909	WR	SECI	22	3/31/2010	1/1/2021	6/1/2014	4/1/2025	6/1/2011	4/1/2022	0	10SP
KMEA	AG3-2009-040	73453187	NPPD	WR	1	4/30/2011	4/30/2016	4/30/2011	4/30/2016	4/30/2011	4/30/2016	0	11SP
KMEA	AG3-2009-038	73453272	NPPD	SECI	1	4/30/2010	4/30/2015	6/1/2010	6/1/2015	6/1/2010	6/1/2015	0	10SP
KMEA	AG3-2009-037	73453392	NPPD	WR	1	9/30/2010	9/30/2015	9/30/2010	9/30/2015	9/30/2010	9/30/2015	0	11SP
KMEA	AG3-2009-039	73453537	NPPD	WR	1	4/30/2011	4/30/2016	4/30/2011	4/30/2016	4/30/2011	4/30/2016	0	11SP
KPP	AG2-2009-003	1607046	WR	WR	6	3/1/2010	3/1/2015	6/1/2012	6/1/2017	6/1/2010	6/1/2015	0	10SP
KPP	AG3-2009-026	73446841	WR	WR	396	6/1/2010	6/1/2020	12/1/2014	12/1/2024	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-026	73446862	WR	WR	13	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-026	73446872	WR	WPEK	20	6/1/2010	6/1/2020	6/1/2013	6/1/2023	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-027	73446884	WR	WR	13	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-027	73446928	WR	WR	396	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-028	73447001	WPEK	WR	396	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-025	73447046	NPPD	WR	1	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-024	73447072	WPEK	WR	13	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-060	73449425	WPEK	WR	10	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-027	73449987	WR	WPEK	20	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-028	73449996	WPEK	WPEK	20	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-028	73450005	WPEK	WR	12	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-025	73450014	NPPD	WR	1	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-025	73450018	NPPD	WPEK	1	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-024	73450023	WPEK	WR	13	6/1/2010	6/1/2020	6/1/2014	6/1/2024	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-024	73450028	WPEK	WPEK	13	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-060	73450042	WPEK	WPEK	10	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-060	73450045	WPEK	WR	10	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-060	73450048	WR	WPEK	10	6/1/2010	6/1/2020	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-060	73450052	WR	WPEK	10	6/1/2010	6/1/2020	6/1/2013	6/1/2023	6/1/2010	6/1/2020	0	10SP
KPP	AG3-2009-030	73512720	KCPL	WR	45	4/1/2010	1/1/2015	6/1/2014	3/1/2019	6/1/2010	3/1/2015	0	10SP
KPP	AG3-2009-030	73512723	KCPL	WR	45	4/1/2010	1/1/2015	6/1/2010	3/1/2015	6/1/2010	3/1/2015	0	10SP
KPP	AG3-2009-030	73512724	KCPL	WPEK	45	4/1/2010	1/1/2015	6/1/2010	3/1/2015	6/1/2010	3/1/2015	0	10SP
MIDW	AG3-2009-017	73440203	WR	WR	10	5/31/2011	5/31/2016	5/31/2011	5/31/2016	5/31/2011	5/31/2016	0	11SP
MIDW	AG3-2009-016	73440251	WR	WR	5	5/31/2011	5/31/2016	5/31/2011	5/31/2016	5/31/2011	5/31/2016	0	11SP
MOWR	AG2-2009-002	1607977	OPPD	MPS	10	12/1/2009	12/1/2014	6/1/2010	6/1/2015	6/1/2010	6/1/2015	0	10SP
OKGE	AG3-2009-014	73439915	OKGE	OKGE	152	12/31/2010	12/31/2030	6/1/2014	6/1/2034	12/31/2010	12/31/2030	0	11SP
OKGE	AG3-2009-015	73439927	OKGE	OKGE	130	9/29/2010	9/29/2030	6/1/2014	6/1/2034	9/29/2010	9/29/2030	0	11SP
OMPA	AG2-2009-001	1607006	OKGE	OKGE	3	4/30/2010	4/30/2025	6/1/2010	6/1/2025	6/1/2010	6/1/2025	0	10SP
OMPA	AG3-2009-019	73441050	GRDA	CSWS	15	6/1/2011	6/1/2040	6/1/2013	6/1/2042	6/1/2011	6/1/2040	0	11SP
OMPA	AG3-2009-019	73441055	GRDA	OKGE	15	6/1/2011	6/1/2040	6/1/2011	6/1/2040	6/1/2011	6/1/2040	0	11SP
OMPA	AG3-2009-019	73441061	GRDA	CSWS	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	6/1/2014	6/1/2040	0	19SP
OMPA	AG3-2009-019	73441065	GRDA	OKGE	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	6/1/2014	6/1/2040	0	19SP
OMPA	AG3-2009-019	73441073	GRDA	WFEC	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	6/1/2014	6/1/2040	0	19SP
OMPA	AG3-2009-019	73441080	GRDA	WFEC	15	6/1/2011	6/1/2040	6/1/2011	6/1/2040	6/1/2011	6/1/2040	0	11SP

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

OPPM	AG3-2009-023	73449634	NPPD	OPPD	41	8/31/2011	9/30/2031	6/1/2013	7/1/2033	8/31/2011	9/30/2031	0	14SP
OPPM	AG3-2009-021	73450809	OPPD	OPPD	60	6/29/2010	1/1/2032	6/1/2015	1/1/2037	6/29/2010	1/29/2032	0	11SP
PPMI	AG3-2009-036	73448026	WR	AMRN	100	1/1/2012	1/1/2017	6/1/2015	6/1/2020	6/1/2015	6/1/2020	0	14SP
PPMI	AG3-2009-034	73448029	OKGE	AMRN	100	1/1/2012	1/1/2017	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	14SP
PPMI	AG3-2009-035	73448030	SPS	AMRN	100	1/1/2013	1/1/2018	1/1/2013	1/1/2018	1/1/2013	1/1/2018	0	19SP
SPSM	AG3-2009-013	73437686	CSWS	SPS	200	1/1/2012	1/1/2019	6/1/2014	6/1/2021	6/1/2014	6/1/2021	0	14SP
SPSM	AG3-2009-012	73437709	CSWS	SPS	300	1/1/2014	1/1/2019	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	19SP
SPSM	AG3-2009-010	73439784	SPS	SPS	340	5/31/2012	5/31/2032	6/1/2014	6/1/2034	6/1/2014	6/1/2034	0	14SP
WFEC	AG3-2009-003	1614798	WFEC	WFEC	123	3/31/2010	3/31/2029	6/1/2014	6/1/2033	6/1/2014	6/1/2033	0	10SP
WFEC	AG3-2009-004	1614799	WFEC	WFEC	75	3/31/2010	3/31/2024	6/1/2013	6/1/2027	6/1/2013	6/1/2027	0	10SP
WFEC	AG3-2009-031	73436312	WFEC	SPS	100	5/31/2012	5/31/2042	6/1/2014	6/1/2044	6/1/2014	6/1/2044	0	14SP

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

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

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 Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITHOUT Potential Base Plan Funding Allocation	^{3,5} Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	⁴ Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
AEPM	AG3-2009-042	73453875	\$ 8,177,667	\$ -	\$ 8,177,667		Indeterminate	\$ 22,394,175	\$ -	\$ -	Schedule 9 Charges
AEPM	AG3-2009-043	73453863	\$ 8,344,708	\$ -	\$ 8,344,708		Indeterminate	\$ 22,851,608	\$ -	\$ -	Schedule 9 Charges
AEPM	AG3-2009-046	73453750	\$ 17,038,543	\$ 1,582	\$ 17,036,962		Indeterminate	\$ 46,675,287	\$ 4,009	\$ -	\$ 4,009
CRGL	AG3-2009-032	73194190	\$ 498,740	\$ -	\$ -		\$ 2,423,289	\$ 1,033,695	\$ 1,033,695	\$ 11,457,000	\$ 11,457,000
GRDX	AG3-2009-033	73453318	\$ 349,044	\$ -	\$ -		Indeterminate	\$ 1,372,393	\$ 1,372,393	\$ 6,384,000	\$ 6,384,000
KEPC	AG3-2009-020	73440909	\$ 198,446	\$ -	\$ 198,446		\$ -	\$ 389,083	\$ -	\$ -	Schedule 9 Charges
KMEA	AG3-2009-037	73453392	\$ 83,333	\$ -	\$ -		\$ -	\$ 100,022	\$ 100,022	\$ 143,940	\$ 143,940
KMEA	AG3-2009-038	73453272	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 266,102	\$ 266,102
KMEA	AG3-2009-039	73453537	\$ 83,333	\$ -	\$ -		\$ -	\$ 104,274	\$ 104,274	\$ 143,940	\$ 143,940
KMEA	AG3-2009-040	73453187	\$ 83,333	\$ -	\$ -		\$ -	\$ 104,274	\$ 104,274	\$ 143,940	\$ 143,940
KPP	AG2-2009-003	1607046	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-024	73447072	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-024	73450023	\$ 3,720,881	\$ 1,380,881	\$ 2,340,000		\$ -	\$ 7,613,319	\$ 2,537,773	\$ -	\$ 2,537,773
KPP	AG3-2009-024	73450028	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-025	73447046	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-025	73450014	\$ 527,814	\$ 203,814	\$ 324,000		Indeterminate	\$ 1,080,806	\$ 417,351	\$ -	\$ 417,351
KPP	AG3-2009-025	73450018	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-026	73446841	\$ 7,644,338	\$ 120,338	\$ 7,524,000		\$ -	\$ 15,468,886	\$ 243,513	\$ -	\$ 243,513
KPP	AG3-2009-026	73446862	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-026	73446872	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-027	73446884	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-027	73446928	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-027	73449987	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-028	73447001	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-028	73449996	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-028	73450005	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-030	73512720	\$ 11,774,534	\$ 11,774,530	\$ -		\$ -	\$ 20,337,895	\$ 20,337,890	\$ -	\$ 20,337,890
KPP	AG3-2009-030	73512723	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-030	73512724	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-060	73449425	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-060	73450042	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-060	73450045	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-060	73450048	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG3-2009-060	73450052	\$ 6,350,000	\$ 4,730,000	\$ 1,620,000		\$ -	\$ 12,237,084	\$ 9,187,226	\$ -	\$ 9,187,226
MIDW	AG3-2009-016	73440251	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
MIDW	AG3-2009-017	73440203	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
MOWR	AG2-2009-002	1607977	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 966,600	\$ 966,600
OKGE	AG3-2009-014	73439915	\$ 2,020,917	\$ 550,367	\$ 1,470,550		\$ -	\$ 5,010,780	\$ 1,233,620	\$ -	\$ 1,233,620
OKGE	AG3-2009-015	73439927	\$ 5,828,872	\$ 1,937,520	\$ 3,891,352		\$ -	\$ 12,793,895	\$ 4,246,705	\$ -	\$ 4,246,705
OMPA	AG2-2009-001	1607006	\$ 226,549	\$ -	\$ 226,549		Indeterminate	\$ 477,310	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441050	\$ 1,220,861	\$ -	\$ 1,220,861		\$ 17,040	\$ 4,392,460	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441055	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441061	\$ 813,759	\$ -	\$ 813,759		\$ 10,667	\$ 3,393,594	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441065	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441073	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG3-2009-019	73441080	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges

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

OPPM	AG3-2009-021	73450809	\$ 3,169,433	\$ -	\$ 3,169,433	\$ -	\$ 6,556,902	\$ -	\$ -	Schedule 9 Charges
OPPM	AG3-2009-023	73449634	\$ 149,566	\$ -	\$ 149,566	\$ -	\$ 315,843	\$ -	\$ -	Schedule 9 Charges
PPMI	AG3-2009-034	73448029	\$ 2,247,982	\$ -	\$ -	\$ 1,254,499	\$ 4,512,902	\$ 4,512,902	\$ 5,700,000	\$ 5,700,000
PPMI	AG3-2009-035	73448030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,700,000	\$ 5,700,000
PPMI	AG3-2009-036	73448026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,700,000	\$ 5,700,000
SPSM	AG3-2009-010	73439784	\$ 1,813,872	\$ -	\$ 1,813,872	\$ 3,221,477	\$ 6,087,854	\$ -	\$ -	Schedule 9 Charges
SPSM	AG3-2009-012	73437709	\$ 2,149,912	\$ -	\$ 2,149,912	\$ 1,672,928	\$ 4,367,045	\$ -	\$ -	Schedule 9 Charges
SPSM	AG3-2009-013	73437686	\$ 1,433,275	\$ -	\$ 1,433,275	\$ 1,115,285	\$ 3,124,066	\$ -	\$ -	Schedule 9 Charges
WFEC	AG3-2009-003	1614798	\$ 2,890,520	\$ 105,364	\$ 2,785,156	\$ -	\$ 8,435,005	\$ 469,535	\$ -	\$ 469,535
WFEC	AG3-2009-004	1614799	\$ 3,212,773	\$ 66,794	\$ 3,145,979	\$ -	\$ 7,505,669	\$ 240,605	\$ -	\$ 240,605
WFEC	AG3-2009-031	73436312	\$ 6,599,656	\$ -	\$ 6,599,656	\$ 462,603	\$ 21,604,125	\$ -	\$ -	Schedule 9 Charges
Grand Total			\$ 98,652,661	\$ 74,435,703		\$ 240,340,250	\$ 46,145,787			

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 not required for upgrades fully funded by PTP base rate or base plan funding. The Letter Of Credit Amount listed is based on meeting OATT Attachment J requirements for base plan funding.

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

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

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

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

Note 6: Mutually exclusive with 73450023

Note 7: Mutually exclusive with 73450018 1.8MW new resource

Note 8: 18.2 MW of new KPP Westar and MIDW Designated Resources

Note 9: 9MW new resources as DNR

Note 10: Mutually exclusive with 73446872

Note 11: 41.8MW of new resources

Note 12: Mutually exclusive with 73446841

Note 13: Mutually exclusive with 73450052

Note 14: Mutually exclusive with 73441061

Note 15: Mutually exclusive with 73441050

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

Customer Study Number
 AEPM AG3-2009-042

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	73453875	CSWS	CSWS	49	1/1/2011	1/1/2031	6/1/2013	6/1/2033	\$ 8,177,667	\$ -	\$ 8,177,667	\$ 22,394,175
									\$ 8,177,667	\$ -	\$ 8,177,667	\$ 22,394,175

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453875	DIANA (DIANA 2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2012	6/1/2013			\$ 1,352,194	\$ -	\$ 1,352,194	\$ 5,500,000	\$ 3,912,587
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2014			\$ 6,825,473	\$ -	\$ 6,825,473	\$ 28,000,000	\$ 18,481,588
Total						\$ 8,177,667	\$ -	\$ 8,177,667	\$ 33,500,000	\$ 22,394,175

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 Service Date	Redispatch Available
73453875	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2010	6/1/2010		

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 Service Date	Redispatch Available
73453875	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453875	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012		
	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	6/1/2012		
	SOUTHWEST SHREVEPORT - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2013		Yes
	TEXAS EASTMAN - WHITNEY 138KV CKT 1	6/1/2012	6/1/2013		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453875	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 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73453875	CEDAR HILL - TAMINA 138KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	WELLS 500/230KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 AEPM AG3-2009-043

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
AEPM	73453863	CSWS	CSWS	50	1/1/2011	1/1/2031	6/1/2013	6/1/2033	\$ 8,344,708	\$ -	\$ 8,344,708	\$ 22,851,608
									\$ 8,344,708	\$ -	\$ 8,344,708	\$ 22,851,608

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453863	DIANA (DIANA 2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2012	6/1/2013			\$ 1,379,807	\$ -	\$ 1,379,807	\$ 5,500,000	\$ 3,992,486
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2014			\$ 6,964,901	\$ -	\$ 6,964,901	\$ 28,000,000	\$ 18,859,122
Total						\$ 8,344,708	\$ -	\$ 8,344,708	\$ 33,500,000	\$ 22,851,608

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 Service Date	Redispatch Available
73453863	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2010	6/1/2010		

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 Service Date	Redispatch Available
73453863	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453863	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012		
	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	6/1/2012		
	SOUTHWEST SHREVEPORT - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2013		Yes
	TEXAS EASTMAN - WHITNEY 138KV CKT 1	6/1/2012	6/1/2013		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453863	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 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73453863	CEDAR HILL - TAMINA 138KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	WELLS 500/230KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 AEPM AG3-2009-046

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 Available	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	73453750	CSWS	CSWS	101	1/1/2011	1/1/2031	6/1/2014	6/1/2034	\$ 17,036,962	\$ -	\$ 17,038,543	\$ 46,675,287
									\$ 17,036,962	\$ -	\$ 17,038,543	\$ 46,675,287

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
73453750	DIANA (DIANA 2) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2012	6/1/2013			\$ 2,767,999	\$ -	\$ 2,767,999	\$ 5,500,000	\$ 8,009,234	
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012		Yes	\$ 56,174	\$ -	\$ 56,174	\$ 200,000	\$ 178,092	
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012		Yes	\$ 3,163	\$ 1,581	\$ 4,744	\$ 50,000	\$ 12,026	
	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2014		Yes	\$ 14,209,626	\$ -	\$ 14,209,626	\$ 28,000,000	\$ 38,475,934	
						Total	\$ 17,036,962	\$ 1,581	\$ 17,038,543	\$ 33,750,000	\$ 46,675,287

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 Service Date	Redispatch Available
73453750	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	6/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	NEWHART INTERCHANGE PROJECT	6/1/2011	6/1/2013		Yes
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	RANDALL COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2012	10/1/2012		Yes
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2010	6/1/2010		

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 Service Date	Redispatch Available
73453750	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453750	ANADARKO 345/138 TRANSFORMER CKT 1	6/1/2011	6/1/2014		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2 Accelerated	6/1/2015	6/1/2015		
	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012		
	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	6/1/2012		
	SOUTHWEST SHREVEPORT - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	6/1/2012	6/1/2013		Yes
	TEXAS EASTMAN - WHITNEY 138KV CKT 1	6/1/2012	6/1/2013		Yes
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453750	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 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	MCNAB REC - TURK 115KV CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - 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 Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73453750	AMELIA BULK - CHINA 230KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	BISMARCK - HOT SPRINGS WEST BUS 115KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	CEDAR HILL - TAMINA 138KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	WELLS - WELLS 230KV CKT 2	6/1/2012	6/1/2012			\$ -	\$ -
	WELLS 500/230KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	WELLS 500/230KV TRANSFORMER CKT 2	6/1/2012	6/1/2012			\$ -	\$ -
						Total	\$ -

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

Customer Study Number
CRGL AG3-2009-032

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
CRGL	73194190	WR	AECI	201	1/1/2011	1/1/2016	6/1/2015	6/1/2020	\$ -	\$ 11,457,000	\$ 498,740	\$ 1,033,695
									\$ -	\$ 11,457,000	\$ 498,740	\$ 1,033,695

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73194190	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2012	6/1/2012			\$ 498,740	\$ 850,000	\$ 1,033,695
						\$ 498,740	\$ 850,000	\$ 1,033,695

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73194190	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2012	6/1/2014		Yes
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		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 Service Date	Redispatch Available
73194190	IATAN - NASHUA 345KV CKT 1	12/1/2010	6/1/2015		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		Yes
	SWISSVALE - STILWELL TAP	6/1/2011	6/1/2012		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73194190	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73194190	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2012	6/1/2012			\$ 2,423,289	\$ 4,130,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA	6/1/2012	6/1/2012			\$ 129,781	\$ 200,000
					Total	\$ 2,423,289	\$ 4,130,000

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

Customer Study Number
GRDX AG3-2009-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GRDX	73453318	GRDA	SPA	20	6/30/2010	6/30/2038	6/1/2014	6/1/2042	\$ -	\$ 6,384,000	\$ 349,044	\$ 1,372,393
									\$ -	\$ 6,384,000	\$ 349,044	\$ 1,372,393

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453318	AFTON - FAIRLAND EDE TAP 69KV CKT 1	6/1/2012	6/1/2012			\$ 241,522	\$ 500,000	\$ 923,547
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2012	6/1/2012			\$ 107,522	\$ 850,000	\$ 448,846
	Total					\$ 349,044	\$ 1,350,000	\$ 1,372,393

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 Service Date	Redispatch Available
73453318	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/30/2010	6/1/2011		
	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	6/30/2010	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453318	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2012	6/1/2014		Yes
	Multi - Stalene - Joplin - Reinmiller conversion	6/1/2015	6/1/2015		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV 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 Service Date	Redispatch Available
73453318	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453318	SUB 110 - DRONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73453318	ARKANSAS NUCLEAR ONE - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2012	6/1/2012			\$ 522,431	\$ 4,130,000
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	12/1/2010	1/1/2012		No	\$ -	\$ -
	PLEASANT HILL 500/161KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ 6,900,000	\$ 6,900,000
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2012	6/1/2012			\$ 4,910,000	\$ 4,910,000
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	12/1/2010	12/1/2010			\$ -	\$ -
	Total					\$ 12,332,431	\$ 15,940,000

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

Customer Study Number
 KEPC AG3-2009-020

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KEPC	73440909	WR	SECI	22	3/31/2010	1/1/2021	6/1/2014	4/1/2025	\$ 198,446	\$ -	\$ 198,446	\$ 389,083
									\$ 198,446	\$ -	\$ 198,446	\$ 389,083

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73440909	BELL - PECK 69KV CKT 1	6/1/2010	6/1/2014			\$ 198,446	\$ 5,929,750	\$ 389,083
						\$ 198,446	\$ 5,929,750	\$ 389,083

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 Service Date	Redispatch Available
73440909	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2013
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1			6/1/2013	6/1/2014
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW			6/1/2015	6/1/2015
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE			6/1/2015	6/1/2015
	JOHNSON CORNER 115 KV CAP			6/1/2015	6/1/2015
	JOHNSON CORNER 115 KV CAP #2			6/1/2015	6/1/2015
	KINSLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012
	POTTER - ANADARKO 345 KV			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440909	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2010	6/1/2012		
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW	6/1/2010	6/1/2011		Yes
	HEIZER - MULLERGREEN 115 KV CKT 1 SUNC	6/1/2010	6/1/2011		Yes
	PLATTE CITY - SMITHVILLE 161KV CKT 1 10WP	12/1/2010	4/1/2011		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440909	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated	6/1/2015	6/1/2015		
	FLETCHER - HOLCOMB 115KV CKT 1 Accelerated	6/1/2013	6/1/2013		
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerated	6/1/2016	6/1/2016		
	IATAN - NASHUA 345KV CKT 1	12/1/2010	6/1/2015		
	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	6/1/2014	6/1/2014		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	6/1/2013	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		Yes
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		Yes
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		Yes
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		Yes
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440909	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Customer Study Number
 KMEA AG3-2009-037

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
KMEA	73453392	NPPD	WR	1	9/30/2010	9/30/2015			\$ -	\$ 143,940	\$ 83,333	\$ 100,022
									\$ -	\$ 143,940	\$ 83,333	\$ 100,022

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453392	54TH & MERIDEN - HOYT 115KV CKT 1	6/1/2015	6/1/2015			\$ 83,333	\$ 250,000	\$ 100,022
						\$ 83,333	\$ 250,000	\$ 100,022

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 Service Date	Redispatch Available
73453392	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	6/1/2010	12/1/2011		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453392	CANADAY - LEXINGTON 115KV CKT 1	12/1/2010	6/1/2013		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73453392	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHLIX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453392	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		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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 AG3-2009-038

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	73453272	NPPD	SECI	1	4/30/2010	4/30/2015	6/1/2010	6/1/2015	\$ -	\$ 266,102	\$ -	\$ -
									\$ -	\$ 266,102	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453272	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 Service Date	Redispatch Available
73453272	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2013
	KINSLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453272	CANADAY - LEXINGTON 115KV CKT 1			12/1/2010	6/1/2013
	OGALLALA 230/115KV TRANSFORMER CKT 2			6/1/2011	6/1/2013

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 Service Date	Redispatch Available
73453272	JUDSON LARGE - SPEARVILLE 115 KV CKT 2			6/1/2014	6/1/2014
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			6/1/2013	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2010	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2010	6/1/2013

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453272	FLATRDRG3 138.00 - MEDICINE LODGE 138KV CKT 1			12/1/2009	6/1/2013
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement			12/1/2009	6/1/2013
	NORTHWEST - 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

Customer Study Number
 KMEA AG3-2009-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	73453537	NPPD	WR	1	4/30/2011	4/30/2016			\$ -	\$ 143,940	\$ 83,333	\$ 104,274
									\$ -	\$ 143,940	\$ 83,333	\$ 104,274

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453537	54TH & MERIDEN - HOYT 115KV CKT 1	6/1/2015	6/1/2015			\$ 83,333	\$ 250,000	\$ 104,274
					Total	\$ 83,333	\$ 250,000	\$ 104,274

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 Service Date	Redispatch Available
73453537	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	6/1/2010	12/1/2011		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453537	CANADAY - LEXINGTON 115KV CKT 1	12/1/2010	6/1/2013		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73453537	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHLIX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453537	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		
	NORTHWEST - 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

Customer Study Number
 KMEA AG3-2009-040

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
KMEA	73453187	NPPD	WR	1	4/30/2011	4/30/2016			\$ -	\$ 143,940	\$ 83,333	\$ 104,274
									\$ -	\$ 143,940	\$ 83,333	\$ 104,274

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453187	54TH & MERIDEN - HOYT 115KV CKT 1	6/1/2015	6/1/2015			\$ 83,333	\$ 250,000	\$ 104,274
					Total	\$ 83,333	\$ 250,000	\$ 104,274

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 Service Date	Redispatch Available
73453187	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	6/1/2010	12/1/2011		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453187	CANADAY - LEXINGTON 115KV CKT 1	12/1/2010	6/1/2013		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73453187	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHLIX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453187	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		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

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
KPP AG2-2009-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1607046	WR	WR	6	3/1/2010	3/1/2015	6/1/2012	6/1/2017	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1607046	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 Service Date	Redispatch Available
1607046	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2013
	KINSLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607046	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1			6/1/2010	6/1/2012
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2			12/1/2011	12/1/2014

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 Service Date	Redispatch Available
1607046	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement			6/1/2010	6/1/2012

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607046	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		

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

Customer Study Number
KPP AG3-2009-024

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
KPP	73447072	WPEK	WR	13	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450023	WPEK	WR	13	6/1/2010	6/1/2020	6/1/2014	6/1/2024	\$ 2,340,000	\$ -	\$ 3,720,881	\$ 7,613,319
KPP	73450028	WPEK	WPEK	13	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
									\$ 2,340,000	\$ -	\$ 3,720,881	\$ 7,613,319

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73450023	BELL - PECK 69KV CKT 1	6/1/2010	6/1/2014			\$ 530,815	\$ 265,407	\$ 796,222	\$ 5,929,750	\$ 1,413,979
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 1,047,290	\$ 523,645	\$ 1,570,935	\$ 10,241,000	\$ 3,357,663
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015			\$ 45,823	\$ 22,911	\$ 68,734	\$ 300,000	\$ 119,858
	CRESWELL - OAK 69KV CKT 1	6/1/2010	6/1/2012		Yes	\$ 121,717	\$ 60,858	\$ 182,575	\$ 1,000,000	\$ 365,555
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 594,120	\$ 297,060	\$ 891,180	\$ 5,936,000	\$ 1,904,778
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 140,823	\$ 70,412	\$ 211,235	\$ 1,407,000	\$ 451,486
	Total					\$ 2,480,587	\$ 1,240,294	\$ 3,720,881	\$ 24,813,750	\$ 7,613,319

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 Service Date	Redispatch Available
73450023	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		Yes
	Hitchland Interchange - Moore County Interchange 230 kv	6/1/2010	6/1/2010		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450023	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2010	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73450023	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		Yes
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2010	12/1/2012		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		Yes
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2010	6/1/2013		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		Yes
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2010	6/1/2014		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450023	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2009	6/1/2013		

Reservations 73450023, 73450028, and 73447072 were studied as one request
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
KPP AG3-2009-025

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
KPP	73447046	NPPD	WR	1	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450014	NPPD	WR	1	6/1/2010	6/1/2020			\$ 324,000	\$ -	\$ 527,814	\$ 1,080,806
KPP	73450018	NPPD	WPEK	1	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
									\$ 324,000	\$ -	\$ 527,814	\$ 1,080,806

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73450014	BELL - PECK 69KV CKT 1	6/1/2010	6/1/2014			\$ 109,411	\$ 5,929,750	\$ 194,299
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014			\$ 223,206	\$ 10,241,000	\$ 477,073
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015			\$ 10,917	\$ 300,000	\$ 19,037
	CRESWELL - OAK 69KV CKT 1	6/1/2010	6/1/2012			\$ 25,719	\$ 1,000,000	\$ 51,495
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 128,179	\$ 5,936,000	\$ 273,965
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 30,382	\$ 1,407,000	\$ 64,937
	Total					\$ 527,814	\$ 24,813,750	\$ 1,080,806

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 Service Date	Redispatch Available
73450014	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	6/1/2010	12/1/2011		
	Hitchland Interchange - Moore County Interchange 230 kv	6/1/2010	6/1/2010		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450014	CANADAY - LEXINGTON 115KV CKT 1	12/1/2010	6/1/2013		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73450014	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2010	12/1/2012		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2010	6/1/2014		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450014	DEARING 138KV Capacitor	6/1/2012	6/1/2012		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73450014	7PALMYRA 345.00 345/161KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	Total					\$ -	\$ -

Reservations 73450014, 73450018, and 73447046 were studied as one request 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
 KPP AG3-2009-026, AG3-2009-027, AG3-2009-028

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
KPP	73446841	WR	WR	396	6/1/2010	6/1/2020	12/1/2014	12/1/2024	\$ 7,524,000	\$ -	\$ 7,644,338	\$ 15,468,886
KPP	73446862	WR	WR	12	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73446884	WR	WR	12	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73446928	WR	WR	396	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73447001	WPEK	WR	396	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450005	WPEK	WR	12	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73446862	WR	WR	13	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
									\$ 7,524,000	\$ -	\$ 7,644,338	\$ 15,468,886

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73446841	BELL - PECK 69KV CKT 1	6/1/2010	6/1/2014			\$ 2,330,412	\$ 5,929,750	\$ 4,138,485
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 2,942,343	\$ 10,241,000	\$ 6,288,864
	CRESWELL - OAK 69KV CKT 1	6/1/2010	6/1/2012		Yes	\$ 202,767	\$ 1,000,000	\$ 405,984
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 1,753,247	\$ 5,936,000	\$ 3,747,330
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 415,569	\$ 1,407,000	\$ 888,223
Total						\$ 7,644,338	\$ 24,513,750	\$ 15,468,886

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 Service Date	Redispatch Available
73446841	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		Yes
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73446841	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		Yes
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		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 Service Date	Redispatch Available
73446841	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2010	12/1/2012		Yes
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	6/1/2013	6/1/2013		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		Yes
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2010	6/1/2014		Yes
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		Yes

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

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73446841	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		
	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		

34.5 kV System Impacts and Upgrades have yet to be determined

Reservations 73446841, 73446862, 73446884, 73446928, 73447001, and 73447005 were studied as one request

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

Customer Study Number
 KPP AG3-2009-026, AG3-2009-027, AG3-2009-028

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
KPP	73446872	WR	WPEK	20	6/1/2010	6/1/2020	6/1/2013	6/1/2023	\$ -	\$ -	\$ -	\$ -
KPP	73449996	WPEK	WPEK	20	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73449987	WR	WPEK	20	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73446872	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 Service Date	Redispatch Available
73446872	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2010	10/31/2010		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2010	10/31/2010		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73446872	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		
	HEIZER - MULLERGREIN 115 KV CKT 1 MIDW	6/1/2010	6/1/2011		
	HEIZER - MULLERGREIN 115 KV CKT 1 SUNC	6/1/2010	6/1/2011		

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 Service Date	Redispatch Available
73446872	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated	6/1/2015	6/1/2015		
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerated	6/1/2016	6/1/2016		
	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	6/1/2014	6/1/2014		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2010	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	6/1/2013	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		Yes
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		Yes
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		Yes
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		Yes
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		Yes
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73446872	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	12/1/2009	6/1/2013		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	MEDICINE LODGE - PRATT 115KV CKT 1	12/1/2009	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	12/1/2009	6/1/2013		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

34.5 kV System Impacts and Upgrades have yet to be determined
 Reservations 73446872, 73449987, and 73449996 were studied as one request

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

Customer Study Number
KPP AG3-2009-030

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	73512720	KCPL	WR	45	4/1/2010	1/1/2015	6/1/2014	3/1/2019	\$ -	\$ -	\$ 11,774,534	\$ 20,337,895
KPP	73512723	KCPL	WR	45	4/1/2010	1/1/2015	6/1/2010	3/1/2015	\$ -	\$ -	\$ -	\$ -
KPP	73512724	KCPL	WPEK	45	4/1/2010	1/1/2015	6/1/2010	3/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ 11,774,534	\$ 20,337,895

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73512720	BELL - PECK 69KV CKT 1	6/1/2010	6/1/2014			\$ 2,495,259	\$ 5,929,750	\$ 3,726,379
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 5,085,780	\$ 10,241,000	\$ 9,141,115
	CRESWELL - OAK 69KV CKT 1	6/1/2010	6/1/2012		Yes	\$ 588,939	\$ 1,000,000	\$ 991,619
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 2,913,883	\$ 5,936,000	\$ 5,237,375
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014		Yes	\$ 690,673	\$ 1,407,000	\$ 1,241,407
Total						\$ 11,774,534	\$ 24,513,750	\$ 20,337,895

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 Service Date	Redispatch Available
73512720	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		Yes
	EAST MANHATTAN - NW MANHATTAN 230/115KV	6/1/2010	12/1/2011		Yes
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73512720	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		Yes
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73512720	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		Yes
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2010	12/1/2012		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		Yes
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		Yes
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2010	6/1/2014		Yes
	SEWARD - ST JOHN 115KV CKT 1	6/1/2010	6/1/2011		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73512720	DEARING 138KV Capacitor	6/1/2012	6/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Reservations 73512720, 73512723, and 73512724 were studied as one request
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
KPP AG3-2009-060

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	73450052	WR	WPEK	10	6/1/2010	6/1/2020	6/1/2013	6/1/2023	\$ 1,620,000	\$ -	\$ 6,350,000	\$ 11,954,690
KPP	73449425	WPEK	WR	10	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450042	WPEK	WPEK	10	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450045	WPEK	WR	10	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
KPP	73450048	WR	WPEK	10	6/1/2010	6/1/2020			\$ -	\$ -	\$ -	\$ -
									\$ 1,620,000	\$ -	\$ 6,350,000	\$ 11,954,690

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
73450052	HARPER - CITY OF ANTHONY 138 KV CKT 1	6/1/2010	6/1/2012		Yes	\$ 6,350,000	\$ 6,350,000	\$ 11,954,690	
						Total	\$ 6,350,000	\$ 6,350,000	\$ 11,954,690

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 Service Date	Redispatch Available
73450052	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2013		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	6/1/2012	6/1/2012		
	PAWNEE 115KV Capacitor	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450052	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	6/1/2010	6/1/2012		Yes
	HEIZER - MULLERGRENN 115 KV CKT 1 MIDW	6/1/2010	6/1/2011		
	HEIZER - MULLERGRENN 115 KV CKT 1 SUNC	6/1/2010	6/1/2011		
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	12/1/2014		

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 Service Date	Redispatch Available
73450052	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated	6/1/2015	6/1/2015		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated	6/1/2015	6/1/2015		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		Yes
	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerated	6/1/2016	6/1/2016		
	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	6/1/2014	6/1/2014		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		Yes
	SEWARD - ST.JOHN 115KV CKT 1	6/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2010	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2010	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2010	6/1/2013		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450052	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		

Reservations 73450052, 73450042, 73450045, 73450048, and 73449425 were studied as one request 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
 MIDW AG3-2009-016

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
MIDW	73440251	WR	WR	5	5/31/2011	5/31/2016			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73440251	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 Service Date	Redispatch Available
73440251	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2013
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1			6/1/2013	6/1/2014
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW			6/1/2015	6/1/2015
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE			6/1/2015	6/1/2015
	KINSLLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012
	POTTER - ANADARKO 345 KV			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440251	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1			6/1/2010	6/1/2012
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1			6/1/2010	6/1/2012
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440251	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated			6/1/2015	6/1/2015
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated			6/1/2015	6/1/2015
	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			6/1/2013	6/1/2013
	SEWARD - ST JOHN 115KV CKT 1			6/1/2010	6/1/2011
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2010	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2010	6/1/2013

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440251	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1			12/1/2009	6/1/2013
	LACYGNE - WEST GARDNER 345KV CKT 1			6/1/2006	6/1/2006
	MEDICINE LODGE - PRATT 115KV CKT 1			12/1/2009	6/1/2013
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement			12/1/2009	6/1/2013

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

Customer Study Number
 MIDW AG3-2009-017

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
MIDW	73440203	WR	WR	10	5/31/2011	5/31/2016			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73440203	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 Service Date	Redispatch Available
73440203	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2013
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1			6/1/2013	6/1/2014
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW			6/1/2015	6/1/2015
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE			6/1/2015	6/1/2015
	KINSLLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012
	POTTER - ANADARKO 345 KV			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1			6/1/2015	6/1/2015
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440203	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1			6/1/2010	6/1/2012
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1			6/1/2010	6/1/2012
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440203	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated			6/1/2015	6/1/2015
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated			6/1/2015	6/1/2015
	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			6/1/2013	6/1/2013
	SEWARD - ST JOHN 115KV CKT 1			6/1/2010	6/1/2011
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2010	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2010	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2010	6/1/2013

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440203	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1			12/1/2009	6/1/2013
	LACYGNE - WEST GARDNER 345KV CKT 1			6/1/2006	6/1/2006
	MEDICINE LODGE - PRATT 115KV CKT 1			12/1/2009	6/1/2013
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement			12/1/2009	6/1/2013

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

Customer Study Number
MOWR AG2-2009-002

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
MOWR	1607977	OPPD	MPS	10	12/1/2009	12/1/2014	6/1/2010	6/1/2015	\$ -	\$ 966,600	\$ -	\$ -
									\$ -	\$ 966,600	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1607977	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607977	NASHUA - SMITHVILLE 161KV CKT 1 10SP			6/1/2010	10/1/2010
	PLATTE CITY - SMITHVILLE 161KV CKT 1 10SP			6/1/2010	10/1/2010
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607977	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	KCI - Platte City 161kV Ckt 1			6/1/2010	6/1/2011
	SWISSVALE - STILWELL TAP			6/1/2011	6/1/2012

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607977	LACYGNE - WEST GARDNER 345KV CKT 1			6/1/2006	6/1/2006

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

Customer Study Number
OKGE AG3-2009-014

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
OKGE	73439915	OKGE	OKGE	152	12/31/2010	12/31/2030	6/1/2014	6/1/2034	\$ 1,470,550	\$ -	\$ 2,020,917	\$ 5,010,780
									\$ 1,470,550	\$ -	\$ 2,020,917	\$ 5,010,780

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73439915	CANTON - TALOGA 69KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 567,406	\$ 283,703	\$ 851,109	\$ 3,880,000	\$ 1,886,502
	CLASSEN - SW STAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 13,404	\$ -	\$ 13,404	\$ 50,000	\$ 45,239
	ELK CITY - RHWIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 158,901	\$ 79,451	\$ 238,352	\$ 3,600,000	\$ 572,145
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012		Yes	\$ 56,881	\$ -	\$ 56,881	\$ 120,000	\$ 233,140
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	6/1/2012		Yes	\$ -	\$ -	\$ -	\$ -	\$ -
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013		Yes	\$ 299,530	\$ -	\$ 299,530	\$ 631,913	\$ 1,031,541
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012		Yes	\$ 11,267	\$ 5,634	\$ 16,901	\$ 50,000	\$ 42,841
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2010	6/1/2013		Yes	\$ 363,160	\$ 181,580	\$ 544,740	\$ 5,000,000	\$ 1,199,373
	Total					\$ 1,470,550	\$ 550,367	\$ 2,020,917	\$ 13,331,913	\$ 5,010,780

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 Service Date	Redispatch Available
73439915	COLONY - FT SMITH 161KV CKT 1	6/1/2012	6/1/2013		Yes
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	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 Service Date	Redispatch Available
73439915	ANADARKO 345/138 TRANSFORMER CKT 1	6/1/2011	6/1/2014		Yes
	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		Yes
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439915	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Customer Study Number
OKGE AG3-2009-015

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
OKGE	73439927	OKGE	OKGE	130	9/29/2010	9/29/2030	6/1/2014	6/1/2034	\$ 3,891,352	\$ -	\$ 5,828,872	\$ 12,793,895
									\$ 3,891,352	\$ -	\$ 5,828,872	\$ 12,793,895

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73439927	CANTON - TALOGA 69KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 1,510,631	\$ 755,315	\$ 2,265,946	\$ 3,880,000	\$ 4,967,890
	CLASSEN - SW 5TAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 16,311	\$ -	\$ 16,311	\$ 50,000	\$ 53,780
	ELK CITY - RHWIND4 - 138.00 138KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 147,233	\$ 73,617	\$ 220,850	\$ 3,600,000	\$ 524,367
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012		Yes	\$ 10,220	\$ 5,110	\$ 15,330	\$ 50,000	\$ 38,435
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2010	6/1/2013		Yes	\$ 2,206,957	\$ 1,103,478	\$ 3,310,435	\$ 5,000,000	\$ 7,209,424
	Total					\$ 3,891,352	\$ 1,937,520	\$ 5,828,872	\$ 12,580,000	\$ 12,793,895

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 Service Date	Redispatch Available
73439927	COLONY - FT SMITH 161KV CKT 1	6/1/2012	6/1/2013		Yes
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	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 Service Date	Redispatch Available
73439927	ANADARKO 345/138 TRANSFORMER CKT 1	6/1/2011	6/1/2014		Yes
	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		Yes
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		Yes

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439927	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

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

Customer Study Number
 OMPA AG2-2009-001

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
OMPA	1607006	OKGE	OKGE	3	4/30/2010	4/30/2025	6/1/2010	6/1/2025	\$ 226,549	\$ -	\$ 226,549	\$ 477,310
									\$ 226,549	\$ -	\$ 226,549	\$ 477,310

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1607006	CLASSEN - SW 5TAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 2,209	\$ 50,000	\$ 5,960
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015			\$ 220,349	\$ 300,000	\$ 462,823
	ELK CITY - RHWIND4 - 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 3,716	\$ 3,600,000	\$ 7,909
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012			\$ 275	\$ 50,000	\$ 618
					Total	\$ 226,549	\$ 4,000,000	\$ 477,310

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 Service Date	Redispatch Available
1607006	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607006	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	OMPA-PONCA CITY - OSAGE 69KV CKT 1 OKGE	6/1/2011	6/1/2011		

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 Service Date	Redispatch Available
1607006	ANADARKO 345/138 TRANSFORMER CKT 1	6/1/2011	6/1/2014		
	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607006	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		
	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1607006	OMPA-PONCA CITY - OSAGE 69KV CKT 1 OMPA	6/1/2011	6/1/2011			\$ -	\$ -
					Total	\$ -	\$ -

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

Customer Study Number
 OMPA AG3-2009-019

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
OMPA	73441050	GRDA	CSWS	15	6/1/2011	6/1/2040	6/1/2013	6/1/2042	\$ 1,220,861	\$ -	\$ 1,220,861	\$ 4,392,460
OMPA	73441055	GRDA	OKGE	15	6/1/2011	6/1/2040	6/1/2011	6/1/2040	\$ -	\$ -	\$ -	\$ -
OMPA	73441061	GRDA	CSWS	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	\$ 813,759	\$ -	\$ 813,759	\$ 3,393,594
OMPA	73441065	GRDA	OKGE	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	\$ -	\$ -	\$ -	\$ -
OMPA	73441073	GRDA	WFEC	10	6/1/2014	6/1/2040	6/1/2014	6/1/2040	\$ -	\$ -	\$ -	\$ -
OMPA	73441080	GRDA	WFEC	15	6/1/2011	6/1/2040	6/1/2011	6/1/2040	\$ -	\$ -	\$ -	\$ -
									\$ 813,759	\$ -	\$ 813,759	\$ 3,393,594

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73441050	AFTON - FAIRLAND EDE TAP 69KV CKT 1	6/1/2012	6/1/2012			\$ 155,095	\$ 500,000	\$ 672,316
	ALVA - ALVA 69KV CKT 1	6/1/2015	6/1/2015			\$ 180,012	\$ 300,000	\$ 770,398
	ANADARKO - G03-05T 138.00 138KV CKT 1	6/1/2015	6/1/2015			\$ 435,539	\$ 9,568,000	\$ 1,183,117
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014			\$ 251,282	\$ 10,241,000	\$ 983,618
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 13,712	\$ 200,000	\$ 57,984
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 149,731	\$ 5,936,000	\$ 586,107
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 35,490	\$ 1,407,000	\$ 138,922
Total						\$ 1,220,861	\$ 28,152,000	\$ 4,392,460
73441061	AFTON - FAIRLAND EDE TAP 69KV CKT 1	6/1/2012	6/1/2012			\$ 103,383	\$ 500,000	\$ 559,281
	ALVA - ALVA 69KV CKT 1	6/1/2015	6/1/2015			\$ 119,988	\$ 300,000	\$ 621,233
	ANADARKO - G03-05T 138.00 138KV CKT 1	6/1/2015	6/1/2015			\$ 290,360	\$ 9,568,000	\$ 853,050
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	6/1/2010	6/1/2014			\$ 167,454	\$ 10,241,000	\$ 756,647
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 9,142	\$ 200,000	\$ 45,650
	RICHLAND - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 99,781	\$ 5,936,000	\$ 450,864
	TIMBER JUNCTION - UDALL 69KV CKT 1	6/1/2010	6/1/2014			\$ 23,651	\$ 1,407,000	\$ 106,868
Total						\$ 813,759	\$ 28,152,000	\$ 3,393,594

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 Service Date	Redispatch Available
73441050	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
73441061	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	6/30/2010	6/1/2012		
	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015			
PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	6/30/2010	6/1/2012			

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73441050	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
73441061	Multi - Stateline - Joplin - Reinmiller conversion	6/1/2015	6/1/2015		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
73441061	Multi - Stateline - Joplin - Reinmiller conversion	6/1/2015	6/1/2015		
	KINGSMILL - BOWERS 115 KV 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 Service Date	Redispatch Available
73441050	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		Yes
	G03-05T 138.00 - PARADISE 138KV CKT 1	6/1/2015	6/1/2015		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2010	6/1/2014		
73441061	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2010	6/1/2012		
	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		
73441061	G03-05T 138.00 - PARADISE 138KV 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

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73441050	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - WOODWARD 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 - 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		
73441061	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	NORTHWEST - WOODWARD 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 - 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 Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73441050	4FISHERTP 138.00 - KEYSTONE DAM 138KV CKT 1	6/1/2011	6/1/2011			\$ 17,040	\$ 500,000
						Total	\$ 17,040 \$ 500,000
73441061	4FISHERTP 138.00 - KEYSTONE DAM 138KV CKT 1	6/1/2011	6/1/2011			\$ 10,667	\$ 500,000
						Total	\$ 10,667 \$ 500,000

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

Customer Study Number
 OPPM AG3-2009-021

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
OPPM	73450809	OPPD	OPPD	60	6/29/2010	1/1/2032	6/1/2015	1/1/2037	\$ 3,169,433	\$ -	\$ 3,169,433	\$ 6,556,902
									\$ 3,169,433	\$ -	\$ 3,169,433	\$ 6,556,902

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73450809	SUB 906 SOUTH - SUB 924 69KV CKT 1	6/1/2015	6/1/2015			\$ 169,433	\$ -	\$ 169,433	\$ 319,000	\$ 342,895
	HUMBOLDT 161/69KV TRANSFORMER CKT 1	12/1/2014	12/1/2014			\$ 3,000,000	\$ -	\$ 3,000,000	\$ 3,000,000	\$ 6,214,007
Total						\$ 3,169,433	\$ -	\$ 3,169,433	\$ 3,319,000	\$ 6,556,902

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 Service Date	Redispatch Available
73450809	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2013	6/1/2013		
	SUB 921 - SUB 942 69KV CKT 1	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450809	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		
	SUB 1221 - SUB 1255 161KV CKT 1 #1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450809	IATAN - NASHUA 345KV CKT 1	12/1/2010	6/1/2015		Yes

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

Customer Study Number
OPPM AG3-2009-023

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
OPPM	73449634	NPPD	OPPD	41	8/31/2011	9/30/2031	6/1/2013	7/1/2033	\$ 149,566	\$ -	\$ 149,566	\$ 315,843
									\$ 149,566	\$ -	\$ 149,566	\$ 315,843

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73449634	SUB 906 SOUTH - SUB 924 69KV CKT 1	6/1/2015	6/1/2015			\$ 149,566	\$ -	\$ 149,566	\$ 319,000	\$ 315,843
Total						\$ 149,566	\$ -	\$ 149,566	\$ 319,000	\$ 315,843

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 Service Date	Redispatch Available
73449634	JUNCTION 205 - SUB 901 69KV CKT 1	8/31/2011	6/1/2014		
	JUNCTION 205 - SUB 910 69KV CKT 1	8/31/2011	6/1/2014		
	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2013	6/1/2013		
	SUB 917 - SUB 918 69KV CKT 1	8/31/2011	6/1/2014		
	SUB 921 - SUB 942 69KV CKT 1	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73449634	SUB 1221 - SUB 1255 161KV CKT 1 #1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73449634	PETERSBURG - MADISON 115KV CKT 1	12/1/2011	6/1/2013		Yes

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

Customer Study Number
 PPMI AG3-2009-034

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
PPMI	73448029	OKGE	AMRN	100	1/1/2012	1/1/2017	6/1/2014	6/1/2019	\$ -	\$ 5,700,000	\$ 2,247,982	\$ 4,512,902
									\$ -	\$ 5,700,000	\$ 2,247,982	\$ 4,512,902

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73448029	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2012	6/1/2012			\$ 243,738	\$ 850,000	\$ 669,269
	CANTON - TALOGA 69KV CKT 1	6/1/2011	6/1/2013			\$ 762,945	\$ 3,880,000	\$ 1,458,696
	CLASSEN - SW STAP 138KV CKT 1	6/1/2016	6/1/2016			\$ 18,075	\$ 50,000	\$ 47,674
	ELK CITY - RHWIND4 - 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 72,436	\$ 3,600,000	\$ 149,983
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012			\$ 5,964	\$ 50,000	\$ 13,041
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2010	6/1/2013			\$ 1,144,824	\$ 5,000,000	\$ 2,174,219
Total						\$ 2,247,982	\$ 13,430,000	\$ 4,512,902

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 Service Date	Redispatch Available
73448029	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448029	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448029	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448029	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - IODINE 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD 345/138KV TRANSFORMER CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73448029	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2012	6/1/2012			\$ 1,184,280	\$ 4,130,000
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA	6/1/2012	6/1/2012			\$ 70,219	\$ 200,000
Total						\$ 1,254,499	\$ 4,330,000

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

Customer Study Number
 PPMI AG3-2009-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
PPMI	73448030	SPS	AMRN	100	1/1/2013	1/1/2018			\$ -	\$ 5,700,000	\$ -	\$ -
									\$ -	\$ 5,700,000	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73448030	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448030	FRIO-DRAW - POTTER 345 KV CKT 1			6/1/2013	6/1/2014
	JOHNSON CORNER 115 KV CAP			6/1/2015	6/1/2015
	JOHNSON CORNER 115 KV CAP #2			6/1/2015	6/1/2015
	KINSLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448030	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2			12/1/2011	12/1/2014
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448030	FLATRDG3 138.00 - HARPER 138KV CKT 1			12/1/2009	6/1/2013
	HUGO POWER PLANT - VALLIANT 345 KV AEPW			7/1/2012	7/1/2012
	HUGO POWER PLANT - VALLIANT 345 KV WFEC			7/1/2012	7/1/2012
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1			7/1/2012	7/1/2012
	NORTHWEST - 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

Customer Study Number
 PPMI AG3-2009-036

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
PPMI	73448026	WR	AMRN	100	1/1/2012	1/1/2017	6/1/2015	6/1/2020	\$ -	\$ 5,700,000	\$ -	\$ -
									\$ -	\$ 5,700,000	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73448026	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 Service Date	Redispatch Available
73448026	JOHNSON CORNER 115 KV CAP			6/1/2015	6/1/2015
	JOHNSON CORNER 115 KV CAP #2			6/1/2015	6/1/2015
	KINSLEY 115KV Capacitor			6/1/2012	6/1/2012
	PAWNEE 115KV Capacitor			6/1/2012	6/1/2012
	POTTER - ANADARKO 345 KV			6/1/2015	6/1/2015

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448026	KINGSMILL - BOWERS 115 KV CKT 1			6/1/2015	6/1/2015
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2			12/1/2011	12/1/2014
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448026	CLIFTON - GREENLEAF 115KV CKT 1			1/1/2012	6/1/2013
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC			1/1/2012	6/1/2013
	GREENLEAF - KNOB HILL 115KV CKT 1 WERE			1/1/2012	6/1/2013
	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	SEWARD - ST JOHN 115KV CKT 1			6/1/2010	6/1/2011

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448026	FLATRDG3 138.00 - HARPER 138KV CKT 1			12/1/2009	6/1/2013

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

Customer Study Number
SPSM AG3-2009-010

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	73439784	SPS	SPS	340	5/31/2012	5/31/2032	6/1/2014	6/1/2034	\$ 1,813,872	\$ -	\$ 1,813,872	\$ 6,087,854
									\$ 1,813,872	\$ -	\$ 1,813,872	\$ 6,087,854

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73439784	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 1	12/1/2014	12/1/2014			\$ 1,813,872	\$ 5,670,000	\$ 6,087,854
						\$ 1,813,872	\$ 5,670,000	\$ 6,087,854

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 Service Date	Redispatch Available
73439784	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	6/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	MADDOX STATION - MONUMENT SUB 115KV CKT 1	6/1/2015	6/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2011	6/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439784	CARLSBAD PLANT 115/69KV TRANSFORMERS	5/31/2012	6/1/2012		
	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	LUBBOCK SOUTH INTERCHANGE - SOUTH PLAINS REC-WOODROW INTERCHANGE 115KV CKT 1 Expedite	6/1/2015	6/1/2015		
	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439784	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73439784	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 1,610,868	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 1,610,609	\$ 3,000,000
						\$ 3,221,477	\$ 6,000,000

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

Customer Study Number
SPSM AG3-2009-012

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
SPSM	73437709	CSWS	SPS	300	1/1/2014	1/1/2019	6/1/2014	6/1/2019	\$ 2,149,912	\$ -	\$ 2,149,912	\$ 4,367,045
									\$ 2,149,912	\$ -	\$ 2,149,912	\$ 4,367,045

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73437709	ELK CITY - RHWIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 221,781	\$ 3,600,000	\$ 459,210
	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 1	12/1/2014	12/1/2014			\$ 1,928,131	\$ 5,670,000	\$ 3,907,835
Total						\$ 2,149,912	\$ 9,270,000	\$ 4,367,045

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 Service Date	Redispatch Available
73437709	CANYON WEST - SPRING DRAW 115 KV CKT 1	1/1/2012	6/1/2014		
	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	6/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2011	6/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	RANDALL COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2012	10/1/2012		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73437709	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	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 Service Date	Redispatch Available
73437709	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2 Accelerated	6/1/2015	6/1/2015		
	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1	6/1/2015	6/1/2015		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73437709	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73437709	4FISHERTP - 138.00 - KEYSTONE DAM 138KV CKT 1	6/1/2011	6/1/2011			\$ 283,376	\$ 500,000
	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 694,642	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 694,910	\$ 3,000,000
Total						\$ 1,672,928	\$ 6,500,000

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

Customer Study Number
SPSM AG3-2009-013

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 Available	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	73437686	CSWS	SPS	200	1/1/2012	1/1/2019	6/1/2014	6/1/2021	\$ 1,433,275	\$ -	\$ 1,433,275	\$ 3,124,066
									\$ 1,433,275	\$ -	\$ 1,433,275	\$ 3,124,066

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73437686	ELK CITY - RHWIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 147,854	\$ 3,600,000	\$ 318,994
	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 1	12/1/2014	12/1/2014			\$ 1,285,421	\$ 5,670,000	\$ 2,805,071
						\$ 1,433,275	\$ 9,270,000	\$ 3,124,066

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 Service Date	Redispatch Available
73437686	CANYON WEST - SPRING DRAW 115 KV CKT 1	1/1/2012	6/1/2014		
	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2015	6/1/2015		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	6/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	JOHNSON CORNER 115 KV CAP	6/1/2015	6/1/2015		
	JOHNSON CORNER 115 KV CAP #2	6/1/2015	6/1/2015		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2011	6/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	RANDALL COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2012	10/1/2012		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73437686	KINGSMILL - BOWERS 115 KV CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	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 Service Date	Redispatch Available
73437686	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2013		
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2012		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2 Accelerated	6/1/2015	6/1/2015		
	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1	6/1/2015	6/1/2015		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	6/1/2012		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73437686	HUGO POWER PLANT - VALLIANT 345 KV AEPW	7/1/2012	7/1/2012		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	7/1/2012	7/1/2012		
	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	7/1/2012	7/1/2012		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73437686	4FISHERTP 138.00 - KEYSTONE DAM 138KV CKT 1	6/1/2011	6/1/2011			\$ 188,917	\$ 500,000
	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 463,095	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2013			\$ 463,273	\$ 3,000,000
						\$ 1,115,285	\$ 6,500,000

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

Customer Study Number
 WFEC AG3-2009-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1614798	WFEC	WFEC	123	3/31/2010	3/31/2029	6/1/2014	6/1/2033	\$ 2,785,156	\$ -	\$ 2,890,520	\$ 8,435,005
									\$ 2,785,156	\$ -	\$ 2,890,520	\$ 8,435,005

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1614798	ELK CITY - RHWIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 2,567,641	\$ -	\$ 2,567,641	\$ 3,600,000	\$ 7,006,845
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 80,648	\$ 40,324	\$ 120,972	\$ 200,000	\$ 492,695
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012			\$ 20,760	\$ 10,380	\$ 31,140	\$ 120,000	\$ 168,843
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	6/1/2012			\$ -	\$ -	\$ -	\$ -	\$ -
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013			\$ 109,321	\$ 54,660	\$ 163,981	\$ 631,913	\$ 747,065
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	12/1/2010	2/1/2012			\$ 6,786	\$ -	\$ 6,786	\$ 50,000	\$ 19,556
	Total					\$ 2,785,156	\$ 105,364	\$ 2,890,520	\$ 4,601,913	\$ 8,435,005

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 Service Date	Redispatch Available
1614798	FRIC-DRAW - POTTER 345 KV CKT 1	6/1/2013	6/1/2014		
	HAMMETT TAP - HAMMETT2 138KV CKT 1	6/1/2010	6/1/2011		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2010	6/1/2010		

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 Service Date	Redispatch Available
1614798	ANADARKO 345/138 TRANSFORMER CKT 1	6/1/2011	6/1/2014		
	TUCO - WOODWARD 345KV CKT 1	12/1/2010	6/1/2014		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1614798	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		
	NORTHWEST - 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		

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

Customer **Study Number**
 WFEC AG3-2009-004

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	1614799	WFEC	WFEC	75	3/31/2010	3/31/2024	6/1/2013	6/1/2027	\$ 3,145,979	\$ -	\$ 3,212,773	\$ 7,505,669
									\$ 3,145,979	\$ -	\$ 3,212,773	\$ 7,505,669

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Base Plan Funding for Wind	Directly Assigned for Wind	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1614799	ANADARKO - G03-05T 138.00 138KV CKT 1	6/1/2015	6/1/2015			\$ 3,012,392	\$ -	\$ 3,012,392	\$ 9,568,000	\$ 6,783,853
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012			\$ 21,319	\$ 10,660	\$ 31,979	\$ 120,000	\$ 133,032
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	6/1/2012			\$ -	\$ -	\$ -	\$ -	\$ -
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013			\$ 112,268	\$ 56,134	\$ 168,402	\$ 631,913	\$ 588,784
Total						\$ 3,145,979	\$ 66,794	\$ 3,212,773	\$ 10,319,913	\$ 7,505,669

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 Service Date	Redispatch Available
1614799	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	HAMMETT TAP - HAMMETT2 138KV CKT 1	6/1/2010	6/1/2011		
	POTTER - ANADARKO 345 KV	6/1/2015	6/1/2015		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2010	6/1/2010		

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 Service Date	Redispatch Available
1614799	G03-05T 138.00 - PARADISE 138KV CKT 1	6/1/2015	6/1/2015		

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1614799	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		
	NORTHWEST - 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		

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	Reconductor 1.25 miles of 795 ACSR with 1590 ACSR	6/1/2012	6/1/2012	\$ 850,000
AEPW	DIANA (DIANA 2) 345/138/13.8KV TRANSFORMER CKT 3	Replace auto with new 450 MVA	6/1/2012	6/1/2013	\$ 5,500,000
AEPW	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	Replace 69 kV switches and jumpers	6/1/2011	6/1/2012	\$ 200,000
AEPW	ROCK HILL - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	Rebuild 27.4 miles of 397.5 ACSR with 1272 ACSR	6/1/2012	6/1/2014	\$ 28,000,000
GRDA	AFTON - FAIRLAND EDE TAP 69KV CKT 1	Replace terminal equipment	6/1/2012	6/1/2012	\$ 500,000
MKEC	HARPER - CITY OF ANTHONY 138 KV CKT 1	Build new 138 kV line from Harper to new 138 kV substation at the City of Anthony	6/1/2010	6/1/2012	\$ 6,350,000
OKGE	ALVA - ALVA 69KV CKT 1	Increase 400 amp wave trap and CT	6/1/2015	6/1/2015	\$ 300,000
OKGE	CLASSEN - SW 5TAP 138KV CKT 1	Replace 800A trap at Classen	6/1/2015	6/1/2015	\$ 50,000
OKGE	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	Rebuild & Reconductor 0.57 Miles of 477AS33 to 795AS33	6/1/2015	6/1/2015	\$ 300,000
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	Replace switches in FPL Switch	12/1/2010	6/1/2012	\$ 120,000
OKGE	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	Reconductor/rebuild 12.07 miles of line to 795AS33	12/1/2010	6/1/2013	\$ 631,913
OPPD	SUB 906 SOUTH - SUB 924 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating	6/1/2015	6/1/2015	\$ 319,000
OPPD	HUMBOLDT 161/69KV TRANSFORMER CKT 1	Replace transformer	12/1/2014	12/1/2014	\$ 3,000,000
SPS	HOBBS INTERCHANGE 230/115KV TRANSFORMER CKT 1	Replace transformer	12/1/2014	12/1/2014	\$ 5,670,000
WERE	54TH & MERIDEN - HOYT 115KV CKT 1	Rebuild 0.94 miles from Hoyt-Hoyt Junction 115 kV line with 1192 ACSR conductor. (Hoyt-Hoyt Junction is a portion of the Hoyt-54th & Meriden line.)	6/1/2015	6/1/2015	\$ 250,000
WERE	BELL - PECK 69KV CKT 1	Tear down / Rebuild 8.23 mile Bell-Peck 69 kV line with 1192 ACSR and replace CT	6/1/2010	6/1/2014	\$ 5,929,750
WERE	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	Tear down / Rebuild 14.63-mile Timber Tap-Winfield 69 kV line, 954 ACSR	6/1/2010	6/1/2014	\$ 10,241,000
WERE	CRESWELL - OAK 69KV CKT 1	Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.	6/1/2010	6/1/2012	\$ 1,000,000
WERE	RICHLAND - UDALL 69KV CKT 1	Tear down / Rebuild 8.48-mile Richland-Udall 69 kV line using 954 kcmil ACSR	6/1/2010	6/1/2014	\$ 5,936,000
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Tear down / Rebuild Udall-Timber Jct 69 kV using 954 kcmil ACSR	6/1/2010	6/1/2014	\$ 1,407,000
WFEC	ANADARKO - G03-05T 138.00 138KV CKT 1	Upgrade Anadarko4 to G03-05T to 1113	6/1/2015	6/1/2015	\$ 9,568,000
WFEC	CANTON - TALOGA 69KV CKT 1	UPGRADE CANTON TO TALOGA TO 1113	6/1/2011	6/1/2013	\$ 3,880,000
WFEC	ELK CITY - RHWIND4 138.00 138KV CKT 1	Upgrade Elk City to RHWIND4 TO 1113	6/1/2011	6/1/2013	\$ 3,600,000
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Indeterminate	12/1/2010	6/1/2012	\$ -
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1 WFEC	Terminal Upgrade at Mooreland (CTS)	12/1/2010	2/1/2012	\$ 50,000
WFEC	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	Auto XFMR 56 to 112MVA	12/1/2010	6/1/2013	\$ 5,000,000

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	12/1/2010	6/1/2012
AEPW	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1	Rebuild 4.33 of 795 ACSR with 1590 ACSR. Replace Oneta wavetraps & Jumpers	6/1/2015	6/1/2015
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR	12/1/2011	6/1/2012
AEPW	EASTON REC - PIRKEY 138KV CKT 1	Replace 2000 A switch and breaker at Pirkey	6/1/2012	6/1/2012
AEPW	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	Install 2% Reactor at Tulsa Power Station	6/1/2012	6/1/2012
AEPW	SOUTHWEST SHREVEPORT - SPRINGRIDGE PAN-HARR REC 138KV CKT 1	Rebuild 7.11 miles of 397.5 ACSR with 1272 ACSR	6/1/2012	6/1/2013
AEPW	TEXAS EASTMAN - WHITNEY 138KV CKT 1	Rebuild 2.49 miles with 1590 ACSR. Replace wavetraps & jumpers @ Whitney. Replace metering CT @ Texas Eastman	6/1/2012	6/1/2013
KACP	IATAN - NASHUA 345KV CKT 1	Tap Nashua 345kV bus in Hawthorn-St. Joseph 345kV line, add Iatan-Nashua 345kV line and Nashua 345/161kV transformer	12/1/2010	6/1/2015
KACP	KCI - Platte City 161KV CKT 1	Replace 800 amp wavetraps at KCI	6/1/2010	6/1/2011
KACP	SWISSVALE - STILLWELL TAP	Tap the Swissvale to Stilwell 345 kV line at West Gardne	6/1/2011	6/1/2012
MIDW	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	Build new 345 kV line from Knoll to interception point of Spearville to Knoll line.	6/1/2010	6/1/2013
MIDW	WOLF - AXTELL 345 KV CKT 1 MIDW	Build new 345 kV line from Knoll to interception point of Axtell to Knoll line.	6/1/2010	6/1/2013
MIDW	WOLF 345/230 KV TRANSFORMER	Build new Wolf substation and install new 345/230 kV transformer, tapping the Wolf - South Hays 230 kV line	6/1/2010	6/1/2013
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC Accelerated	Rebuild MKEC portion of the Clearwater-Milan tap 115 kV	6/1/2015	6/1/2015
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	1/1/2012	6/1/2013
MKEC	FLATRDG3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	12/1/2010	6/1/2013
MKEC	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	Rebuild 67.3% Ownership of 20.9 mile	1/1/2012	6/1/2013
MKEC	HARPER - MILAN TAP 138KV CKT 1 #1 Accelerated	Replace Wave Trap at Harper Substation	6/1/2016	6/1/2016
MKEC	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	Build new 230 kV line from Jusdon Large - Spearville and operate at 115 kV	6/1/2014	6/1/2014
MKEC	MEDICINE LODGE - PRATT 115KV CKT 1	Rebuild 26 mile line	12/1/2010	6/1/2013
MKEC	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	Upgrade transformer	6/1/2013	6/1/2013
MKEC	SEWARD - ST JOHN 115KV CKT 1	Replace Terminal Equipment	6/1/2010	6/1/2011
NPPD	PETERSBURG - MADISON 115KV CKT 1	Build new 35 mile 115 kV line from Petersburg to Madison	12/1/2011	6/1/2013
NPPD	WOLF - AXTELL 345 KV CKT 1 NPPD	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.	6/1/2010	6/1/2013
OKGE	ANADARKO 345/138 TRANSFORMER CKT 1	Tap Lawton East Side to Cimarron 345 kV line at Anadarko and build substation. Install a 345/138 kV transformer in substation.	6/1/2011	6/1/2014
OKGE	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Displacement	Add 3rd 345/138KV Auto and convert the 345kV and 138kV to a breaker and a half configuration.	6/1/2010	6/1/2013
OKGE	TUCCO - WOODWARD 345KV CKT 1	Build new 345 kV line from Tucco to Woodward	12/1/2010	6/1/2014
SPS	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2 Accelerated	Add second 115/69 kV transformer at Bowers Interchange	6/1/2015	6/1/2015
SUNC	FLETCHER - HOLCOMB 115KV CKT 1 Accelerated	Rebuild 11.1 miles of the 18.3 mile Fletcher - Holcomb 115 kV line with 954 ACSR Cardinal	6/1/2013	6/1/2013
SUNC	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	Build new 345 kV line from Spearville to interception point of Spearville to Knoll line.	6/1/2010	6/1/2013
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Tear down / Rebuild 7.3-mile Chase - White Junction 69 kV line	6/1/2010	12/1/2012
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE Accelerated	Replace existing 2/0 copper conductor with 795 kcmil ACSR conductor.	6/1/2015	6/1/2015
WERE	GREENLEAF - KNOB HILL 115KV CKT 1 WERE	Rebuild Westar portion of the Clearwater-Milan tap 115 kV	6/1/2015	6/1/2015
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	Rebuild 32.7% Ownership of 20.9 mile	1/1/2012	6/1/2013
WERE	ROSE HILL (ROSEH1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	6/1/2010	6/1/2014
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Add third 345-138 kV transformer at Rose Hill	6/1/2010	6/1/2012
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	6/1/2010	6/1/2014
WFEC	G03-05T 138.00 - PARADISE 138KV CKT 1	Upgrade Paradise to G03-05T to 1113	6/1/2015	6/1/2015

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 custom				
Transmission Owner	Upgrade	Solution	Earliest Date Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	CARNEGIE - HOBART JUNCTION 138KV CKT 1	Rebuild 26.15 of 397 ACSR with 1272 ACSR and replace switches, wavetrap, jumpers, & reset CT @ Hobart Jct.	6/1/2015	6/1/2015
AEPW	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	Rebuild 14.37 miles of 397 ACSR with 1272 ACSR, replace sub conductor at Fort Cobb Natural Gas, and replace wave trap and jumpers at Southwestern Station	6/1/2015	6/1/2015
AEPW	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	Replace (3) 600 A switches with 1200 A switches	6/30/2010	6/1/2012
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Add a second 50 MVA Transformer at Afton Substation	6/30/2010	6/1/2011
MIDW	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	Tear down and rebuild 73.4% Ownership 28.79 mile HEC Huntsville 115 kV line and replace CT, wavetrap and relays.	6/1/2015	6/1/2015
MIDW	KINSLEY 115KV Capacitor	Install 5 MVAR capacitors at Kinsley 115 kV	6/1/2012	6/1/2012
MIDW	PAWNEE 115KV Capacitor	Install 5 MVAR capacitors at Pawnee 115 kV	6/1/2012	6/1/2012
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to 1590 ASCR and change terminal equipment at Ft. Smith & Colony to 2000A	6/1/2012	6/1/2013
OKGE	HAMMETT TAP - HAMMETT2 138KV CKT 1	Reconductor line	6/1/2010	6/1/2011
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	6/1/2010	6/1/2010
OPPD	JUNCTION 205 - SUB 901 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating.	8/31/2011	6/1/2014
OPPD	JUNCTION 205 - SUB 910 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating.	8/31/2011	6/1/2014
OPPD	SUB 906 NORTH - SUB 928 69KV CKT 1	Rebuild 2.00 miles of line, change CT tap settings, and replace line jumpers. Rating after rebuild and other modifications will be 110 MVA.	6/1/2013	6/1/2013
OPPD	SUB 917 - SUB 918 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating.	8/31/2011	6/1/2014
OPPD	SUB 921 - SUB 942 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating and change CT tap settings.	6/1/2014	6/1/2014
SPS	BORDEN COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1	Add second 230/138kV transformer at Borden County by moving old from Midland when retired.	6/1/2015	6/1/2015
SPS	CANYON WEST - SPRING DRAW 115 KV CKT 1	Re-terminate T3 at Deaf Smith Interchange with new Spring Draw - Canyon West 115 kV line	1/1/2012	6/1/2014
SPS	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	Reconductor 7.78 miles with 795 kcmil conducto	6/1/2015	6/1/2015
SPS	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	Reconductor 3.70 miles with 795 kcmil conducto	6/1/2015	6/1/2015
SPS	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Replace existing 149/171 MVA Chaves 230/115 kV transformer with 225 MVA transformer.	6/1/2015	6/1/2015
SPS	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Add second 230/115 kV transformer at Eddy County	6/1/2015	6/1/2015
SPS	FRIO-DRAW - POTTER 345 KV CKT 1	Build new 345 kV line from Potter to new Frio-Draw substation at Roosevelt	6/1/2013	6/1/2014
SPS	HASTINGS 115 KV CONVERSION	Convert Hastings Sub to 115 kV	6/1/2012	6/1/2013
SPS	Hitchland Interchange - Moore County Interchange 230 kV	Install 50 miles of 230 kv from Hitchland to Moore County Interchange	6/1/2010	6/1/2010
SPS	JONES STATION - GRASSLAND 230 KV CKT 1	Build new second Jones - Grassland 230 kV line	6/1/2015	6/1/2015
SPS	MADDOX STATION - MONUMENT SUB 115KV CKT 1	Reconductor 3.36 mile Maddox - Monument CKT 1 115 kV with 795 ACSR.	6/1/2015	6/1/2015
SPS	MIDLAND COUNTY INTERCHANGE 345/138KV TRANSFORMER CKT 1	New 345/138 kV transformer rated 400/440 MVA at Midland	5/31/2012	6/1/2012
SPS	NEWHART INTERCHANGE PROJECT	Tap the Potter Interchange - Plant X Station 230 kV line for new Newhart Substation. Install 230/115 kV 150/173 MVA transformer.	6/1/2011	6/1/2013
SPS	PORTALES INTERCHANGE - ZODIAC 115 KV CKT 1	Convert existing 3 mile Portales Interchange - Zodiac 69 kV line to operate at 115 kV	5/31/2012	6/1/2013
SPS	POTTER - ANADARKO 345 KV	Build new 345 kV line from Potter to Midpoint Bus (Staline) to Anadarko.	6/1/2015	6/1/2015
SPS	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	Build new 230 kV line from Randall County - Amarillo South	6/1/2015	6/1/2015
SPS	RANDALL COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Install second 230/115 kV transformer in Randall substation	6/1/2012	10/1/2012
SPS	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 1	Add second 345/230/13.2 kV Tuco Interchange 515/560 MVA transformer.	6/1/2015	6/1/2015
SPS	TUCO INTERCHANGE (GE M1022338) 345/230/13.2KV TRANSFORMER CKT 2	Add second 345/230/13.2 kV Tuco Interchange 515/560 MVA transformer.	6/1/2015	6/1/2015
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Plymell	6/1/2010	10/31/2010
SUNC	JOHNSON CORNER 115 KV CAP	Install 115 kV 12 MVAR Cap at Johnson Corner Substation	6/1/2015	6/1/2015
SUNC	JOHNSON CORNER 115 KV CAP #2	Install 2nd 115 kV 12 MVAR Cap Bat at Johnson Corner Substation	6/1/2015	6/1/2015
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Plymell to Pioneer Tap	6/1/2010	10/31/2010
WERE	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	Add second Auburn 230-115 kV transformer	6/1/2015	6/1/2015
WERE	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	Tear down and rebuild 7.88 mile Gill-Clearwater	6/1/2011	6/1/2013
WERE	EAST MANHATTAN - NW MANHATTAN 230/115KV	Tap the Concordia - East Manhattan 230kV line and add a new substation "NW Manhattan"; Add a 230kV/115kV transformer and tap the KSU - Wildcat 115kV line into NW Manhattan	6/1/2010	12/1/2011
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	6/1/2013	6/1/2014
WERE	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	Tear down and rebuild 26.6% Ownership 28.79 mile HEC Huntsville 115 kV line and replace CT, wavetrap and relays.	6/1/2015	6/1/2015

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
EMDE	Multi - Stateline - Joplin - Reinmiller conversion	Tear down the Riverton to Joplin 59 69 kV line, rebuilding the line to 161 kV from Stateline to outside Joplin 59 sub. Tear down and rebuild Joplin 59 to Gateway to Pillsbury to Reinmiller, converting those 69 kV lines to 161 kV. Tap the 161 kV line betwe	6/1/2015	6/1/2015
EMDE	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	CHANGE CT ratio at breaker 383	6/1/2015	6/1/2015
KACP	STILWELL - WEST GARDNER 345KV CKT 1	Must upgrade Stilwell terminal equipment to 2000 amp	6/1/2012	6/1/2012
MIDW	HEIZER - MULLERGRN 115 KV CKT 1 MIDW	Install 115 kV bay at Heizer and update relaying equipmer	6/1/2010	6/1/2011
MIPU	NASHUA - SMITHVILLE 161KV CKT 1 10SP	Interim Redispach	6/1/2010	10/1/2010
MIPU	PLATTE CITY - SMITHVILLE 161KV CKT 1 10SP	Interim Redispach	6/1/2010	10/1/2010
MIPU	PLATTE CITY - SMITHVILLE 161KV CKT 1 10WP	Interim Redispach	12/1/2010	4/1/2011
NPPD	CANADAY - LEXINGTON 115KV CKT 1	Increase clearances to 100 Deg C and upgrade termina equipment to effect higher rating.	12/1/2010	6/1/2013
NPPD	OGALLALA 230/115KV TRANSFORMER CKT 2	Install a second 230/115 KV transformer at Ogallal:	6/1/2011	6/1/2013
OKGE	OMPA-PONCA CITY - OSAGE 69KV CKT 1 OKGE	Increase 800 amp to 1200 amp	6/1/2011	6/1/2011
OPPD	SUB 1221 - SUB 1255 161KV CKT 1 #1	Replace terminal facilities so that the overall facility rating is 35: MVA.	6/1/2012	6/1/2012
SPRM	BROOKLINE - SUMMIT 345 KV CKT 1	Build a 345 kV line from Brookline to Summit substation anc install a 345/161 kV autotransformer at Summit	6/1/2012	6/1/2014
SPS	CARLSBAD PLANT 115/69KV TRANSFORMERS	Upgrade to 75 MVA transformers	5/31/2012	6/1/2012
SPS	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	Build new line from Castro County Interchange - Cargill 115 kV	6/1/2015	6/1/2015
SPS	DENVER CITY INTERCHANGE S. - SHELL C2 SUB 115KV CKT 1	Replace jumper and wave trap at Denver City	6/1/2015	6/1/2015
SPS	KINGSMILL - BOWERS 115 KV CKT 1	Convert Kingsmill - Bowers 69 kV to 115 kV	6/1/2015	6/1/2015
SPS	LEA COUNTY ERF PROJECT	Build new ERF 115 kV substation and install new 115/69 kV transformer	5/31/2012	6/1/2013
SPS	LUBBOCK SOUTH INTERCHANGE - SOUTH PLAINS REC-WOODROW INTERCHANGE 115KV CKT 1 Expedite	Reconductor 5.62 miles Lubbock South Interchange ttc Woodrow with 795 ACSR	6/1/2015	6/1/2015
SPS	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1	Replace transformer	6/1/2015	6/1/2015
SPS	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	add 3rd transformer at Tucc	6/1/2015	6/1/2015
SUNC	HEIZER - MULLERGRN 115 KV CKT 1 SUNC	Install 115 kV bay at Heizer and update relaying equipmer	6/1/2010	6/1/2011
WERE	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	Build a new 138kV line from Clearwater and a new 138kV line from Evans to serve the new Goddard substation	6/1/2010	6/1/2012
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wavetraps on Gill - Interstate 138 kV line for a new rating of 232/256 MVA.	6/1/2010	6/1/2012
WERE	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	Add second transformer in Moundridge Substation	12/1/2011	12/1/2014

Previously Assigned Aggregate Study Upgrades requiring credits to Previous Aggregate Study Customer

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	Vallient 345 KV line termina	7/1/2012	7/1/2012
AEPW	MCNAB REC - TURK 115KV CKT 1	Build a new two mile, 138 kV, 1590 ACSR line section (operated at 115 kV) from Turk Substation to the existing Okay- Hope 115 kV line to form a Turk - Hope 115 kV line.	7/1/2012	7/1/2012
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundlec 556 ACSR	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPCL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	6/1/2011	6/1/2013
MKEC	FLATRDG3 138.00 - MEDICINE LODGE 138KV CKT 1	Rebuild 8.05 mile line	12/1/2009	6/1/2013
MKEC	FLATRDG3 138.00 - HARPER 138KV CKT 1	Rebuild 24.15 mile line	12/1/2009	6/1/2013
MKEC	MEDICINE LODGE - PRATT 115KV CKT 1	Rebuild 26 mile line	12/1/2009	6/1/2013
MKEC	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Displacement	Upgrade transformer	12/1/2009	6/1/2013
OKGE	NOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transforme	6/1/2006	6/1/2008
OKGE	NORTHWEST - WOODWARD 345KV CKT 1	Build 120 miles of 345 kV	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 equipmer	1/1/2010	1/1/2010
OKGE	WOODWARD - WOODWARD EHV 138KV CKT 2	Build .5 miles of 138 kV and install terminal equipmer	1/1/2010	1/1/2010
OKGE	WOODWARD 345/138KV TRANSFORMER CKT 1	Install 345/138 kV XF	1/1/2010	1/1/2010
WERE	DEARING 138KV Capacitor	Dearing 138 kV 20 MVAR Capacitor Additor	6/1/2012	6/1/2012
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Suppl:	12/1/2006	6/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 19 miles 345 KV	7/1/2012	7/1/2012
WFEC	HUGO POWER PLANT 345/138KV TRANSFORMER CKT 1	New 345/138 kV Auto	7/1/2012	7/1/2012

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	4FISHERTP 138.00 - KEYSTONE DAM 138KV CKT 1	4.26 mile line designed for 75-C. If this can be uprated to 100-C	6/1/2011	6/1/2011	Indeterminate
AMMO	7PALMYRA 345.00 345/161KV TRANSFORMER CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	AMELIA BULK - CHINA 230KV CKT 1	Indeterminate	6/1/2012	6/1/2012	Indeterminate
EES	ARKANSAS NUCLEAR ONE - RUSSELLVILLE NORTH 161KV CKT 1	Rebuild Transmission Line 8.79 miles	6/1/2012	6/1/2012	Indeterminate
EES	BISMARCK - HOT SPRINGS WEST BUS 115KV CKT 1	Rebuild Transmission Line 19.61 miles	6/1/2011	6/1/2011	Indeterminate
EES	CEDAR HILL - TAMINA 138KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	CYPRESS 500/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	CYPRESS 500/230KV TRANSFORMER CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	PLEASANT HILL 500/161KV TRANSFORMER CKT 1	Replace transformer	6/1/2012	6/1/2012	Indeterminate
EES	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Rebuild Transmission Line 3.19 miles	6/1/2012	6/1/2012	Indeterminate
EES	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Rebuild Transmission Line 4.10 miles	12/1/2010	12/1/2010	Indeterminate
EES	WELLS - WELLS 230KV CKT 2	Indeterminate	6/1/2012	6/1/2012	Indeterminate
EES	WELLS 500/230KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
EES	WELLS 500/230KV TRANSFORMER CKT 2	Indeterminate	6/1/2012	6/1/2012	Indeterminate
OMPA	OMPA-PONCA CITY - OSAGE 69KV CKT 1 OMPA	Indeterminate	6/1/2011	6/1/2011	Indeterminate
LPL	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	Upgrade transformer	1/1/2012	6/1/2013	\$ 3,000,000
LPL	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	Upgrade transformer	1/1/2012	6/1/2013	\$ 3,000,000
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Reconductor 6 miles of 795 ACSR with 1590 ACSR. Replace Switch & Jumpers @ Eureka Springs.	6/1/2012	6/1/2012	Indeterminate
SWPA	CLAY - SPRINGFIELD 161KV CKT 1 SWPA	Replace disconnect switches at Springfield.	6/1/2012	6/1/2012	Indeterminate
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	Replace wave trap, disconnect switches, and breaker. Bus will limit rating to 1560 amps.	12/1/2010	1/1/2012	Indeterminate