



*Aggregate Facility Study
SPP-2009-AGP2-AFS-3
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Transmission Service Studies

SPP AGGREGATE FACILITY STUDY (SPP-2009-AGP2-AFS-3)

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1. Executive Summary

Pursuant to Attachment Z1 of the Southwest Power Pool Open Access Transmission Tariff (OATT), 3790 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 \$78 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 \$139 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 \$61 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 not applicable.

The Transmission Provider will tender a Letter of Intent on April 21st, 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 May 6th, 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-3 signals the completion of the third stage of the AFS.

Approximately 3790 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$78 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 applicable. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade 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 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 3790 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 3790 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. Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation because the requested Network Integration Transmission Service is a request to serve network load with the new designated network resource and the impacts on transmission system are determined accordingly. Point-To-Point Transmission Service requests are modeled as Generation to Generation transfers. Generation to Generation transfers are accomplished by developing a post-transfer case for comparison by dispatching the request source and redispatching the request sink.

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 without upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

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 April 21st, 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 May 6th, 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 fully base plan funded. The amount of the letter of credit will be adjusted down on an annual basis to reflect cost recovery based on revenue allocation.. The Transmission Provider will issue notifications to construct network upgrades to the constructing Transmission Owner after filing of necessary service agreements at FERC.

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

System intact rating – Rate A

Contingency case rating – Rate B

Percent of rating – 100

Output code – Summary

Min flow change in overload report – 3mw

Excl'd cases w/ no overloads 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 (Disabled for generator outages)

Var limits - Apply immediately

Solution options - Phase shift adjustment

Flat start

Lock DC taps

Lock switched shunts

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispach	Deferred Stop Date without interim redispach	Start Date with interim redispach	Stop Date with interim redispach	Minimum Allocated ATC (MW) withing 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	6/1/2016	6/1/2021	1/1/2011	1/1/2016	0	11SP
GRDX	AG3-2009-033	73453318	GRDA	SPA	20	6/30/2010	6/30/2038	6/1/2016	6/30/2038	8/1/2010	6/30/2038	0	11SP
KEPC	AG3-2009-020	73440909	WR	SECI	22	3/31/2010	1/1/2021	6/1/2013	4/1/2024	8/1/2010	6/1/2021	0	10SP
KMEA	AG3-2009-040	73453187	NPPD	WR	1	4/30/2011	4/30/2016	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	11SP
KMEA	AG3-2009-038	73453272	NPPD	SECI	1	4/30/2010	4/30/2015	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	10SP
KMEA	AG3-2009-037	73453392	NPPD	WR	1	9/30/2010	9/30/2015	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	11SP
KMEA	AG3-2009-039	73453537	NPPD	WR	1	4/30/2011	4/30/2016	6/1/2014	6/1/2019	6/1/2014	6/1/2019	0	11SP
KPP	AG2-2009-003	1607046	WR	WR	6	3/1/2010	3/1/2015	6/1/2014	6/1/2019	8/1/2010	8/1/2015	0	10SP
KPP	AG3-2009-026	73446841	WR	WR	396	6/1/2010	6/1/2020	6/1/2014	6/1/2024	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-026	73446862	WR	WR	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-026	73446872	WR	WPEK	20	6/1/2010	6/1/2020	6/1/2014	6/1/2024	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-027	73446884	WR	WR	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-027	73446928	WR	WR	396	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-028	73447001	WPEK	WR	396	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-025	73447046	NPPD	WR	1	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-024	73447072	WPEK	WR	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-060	73449425	WPEK	WR	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-027	73449987	WR	WPEK	20	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-028	73449996	WPEK	WPEK	20	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-028	73450005	WPEK	WR	12	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-025	73450014	NPPD	WR	1	6/1/2010	6/1/2020	6/1/2014	6/1/2024	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-025	73450018	NPPD	WPEK	1	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-024	73450023	WPEK	WR	13	6/1/2010	6/1/2020	6/1/2014	6/1/2024	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-024	73450028	WPEK	WPEK	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-060	73450042	WPEK	WPEK	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-060	73450045	WPEK	WR	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-060	73450048	WR	WPEK	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-060	73450052	WR	WPEK	10	6/1/2010	6/1/2020	6/1/2014	6/1/2024	8/1/2010	8/1/2020	0	10SP
KPP	AG3-2009-030	73512720	KCPL	WR	45	4/1/2010	1/1/2015	6/1/2014	3/1/2019	8/1/2010	5/1/2015	0	10SP
KPP	AG3-2009-030	73512723	KCPL	WR	45	4/1/2010	1/1/2015	8/1/2010	5/1/2015	8/1/2010	5/1/2015	0	10SP
KPP	AG3-2009-030	73512724	KCPL	WPEK	45	4/1/2010	1/1/2015	8/1/2010	5/1/2015	8/1/2010	5/1/2015	0	10SP
MIDW	AG3-2009-017	73440203	WR	WR	10	5/31/2011	5/31/2016	10/1/2012	10/1/2017	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	8/1/2010	8/1/2015	8/1/2010	8/1/2015	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

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

OMPA	AG2-2009-001	1607006	OKGE	OKGE	3	4/30/2010	4/30/2025	8/1/2010	8/1/2025	8/1/2010	8/1/2025	0	10SP
OMPA	AG3-2009-019	73441050	GRDA	CSWS	15	6/1/2011	6/1/2040	6/1/2014	6/1/2043	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
OPPM	AG3-2009-023	73449634	NPPD	OPPD	41	8/31/2011	9/30/2031	6/1/2015	7/1/2035	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	8/1/2010	3/1/2032	0	11SP
PPMI	AG3-2009-036	73448026	WR	AMRN	100	1/1/2012	1/1/2017	6/1/2014	6/1/2019	1/1/2012	1/1/2017	0	14SP
PPMI	AG3-2009-035	73448030	SPS	AMRN	100	1/1/2013	1/1/2018	6/1/2016	6/1/2021	6/1/2016	6/1/2021	0	19SP
SPSM	AG3-2009-013	73437686	CSWS	SPS	200	1/1/2012	1/1/2019	6/1/2014	6/1/2021	1/1/2012	1/1/2019	0	14SP
SPSM	AG3-2009-012	73437709	CSWS	SPS	300	1/1/2014	1/1/2019	6/1/2014	6/1/2019	1/1/2014	1/1/2019	0	19SP
SPSM	AG3-2009-010	73439784	SPS	SPS	340	5/31/2012	5/31/2032	6/1/2014	6/1/2034	5/31/2012	5/31/2032	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	6/1/2014	6/1/2028	6/1/2014	6/1/2028	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	AG3-2009-046	73453750	\$ 227,949	\$ 7,374	\$ 220,575			\$ 698,888	\$ 21,104	\$ -	\$ 21,104
AEPM	AG3-2009-043	73453863	\$ 83,908	\$ 2,963	\$ 80,945			\$ 255,065	\$ 8,793	\$ -	\$ 8,793
AEPM	AG3-2009-042	73453875	\$ 82,230	\$ 2,904	\$ 79,326			\$ 249,964	\$ 8,617	\$ -	\$ 8,617
CRGL	AG3-2009-032	73194190	\$ -	\$ -	\$ -			\$ -	\$ -	\$ 11,457,000	\$ 11,457,000
GRDX	AG3-2009-033	73453318	\$ 141,831	\$ 141,831	\$ -			\$ 450,785	\$ 450,785	\$ 6,384,000	\$ 6,384,000
KEPC	AG3-2009-020	73440909	\$ 3,397,408	\$ -	\$ 3,397,408			\$ 5,898,407	\$ -	\$ -	Schedule 9 & 11 Charges
KMEA	AG3-2009-040	73453187	\$ 81,410	\$ 81,410	\$ -			\$ 159,904	\$ 159,904	\$ 175,860	\$ 175,860
KMEA	AG3-2009-038	73453272	\$ 52,615	\$ 52,615	\$ -			\$ 102,080	\$ 102,080	\$ 266,102	\$ 266,102
KMEA	AG3-2009-037	73453392	\$ 81,410	\$ 81,410	\$ -			\$ 159,904	\$ 159,904	\$ 175,860	\$ 175,860
KMEA	AG3-2009-039	73453537	\$ 81,410	\$ 81,410	\$ -			\$ 159,904	\$ 159,904	\$ 175,860	\$ 175,860
KPP	AG2-2009-003	1607046	\$ 2,204,749	\$ -	\$ 2,204,749			\$ 3,393,800	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73446841	\$ 6,759,402	\$ -	\$ 6,759,402			\$ 13,779,248	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73446862	\$ -	\$ -	\$ -	12		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73446872	\$ 2,734,665	\$ -	\$ 2,734,665	8, 16	\$ 6,414,600	\$ 4,582,556	\$ -	\$ -	\$ 6,414,600
KPP	AG3-2009-026, AG3	73446884	\$ -	\$ -	\$ -	12		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73446928	\$ -	\$ -	\$ -	12		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73447001	\$ -	\$ -	\$ -	12		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-025	73447046	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-024	73447072	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-060	73449425	\$ -	\$ -	\$ -	13		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73449987	\$ -	\$ -	\$ -	10		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73449996	\$ -	\$ -	\$ -	10		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-026, AG3	73450005	\$ -	\$ -	\$ -	12		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-025	73450014	\$ 483,096	\$ -	\$ 483,096	7		\$ 1,000,757	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-025	73450018	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-024	73450023	\$ 3,371,962	\$ 1,031,962	\$ 2,340,000			\$ 6,979,043	\$ 2,326,348	\$ -	\$ 2,326,348
KPP	AG3-2009-024	73450028	\$ -	\$ -	\$ -	6		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-060	73450042	\$ -	\$ -	\$ -	13		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-060	73450045	\$ -	\$ -	\$ -	13		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-060	73450048	\$ -	\$ -	\$ -	13		\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-060	73450052	\$ 2,447,295	\$ 827,295	\$ 1,620,000	16	\$ 8,000,000	\$ 4,213,291	\$ 1,424,280	\$ -	\$ 9,424,280
KPP	AG3-2009-030	73512720	\$ 14,115,943	\$ 14,115,943	\$ -			\$ 24,625,380	\$ 24,625,380	\$ -	\$ 24,625,380
KPP	AG3-2009-030	73512723	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
KPP	AG3-2009-030	73512724	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MIDW	AG3-2009-017	73440203	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MIDW	AG3-2009-016	73440251	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	Schedule 9 & 11 Charges
MOWR	AG2-2009-002	1607977	\$ -	\$ -	\$ -			\$ -	\$ -	\$ 966,600	\$ 966,600
OKGE	AG3-2009-014	73439915	\$ 1,190,677	\$ 322,837	\$ 867,840			\$ 2,966,052	\$ 729,599	\$ -	\$ 729,599
OKGE	AG3-2009-015	73439927	\$ 4,569,544	\$ 1,511,945	\$ 3,057,599			\$ 10,019,429	\$ 3,307,238	\$ -	\$ 3,307,238

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

OMPA	AG2-2009-001	1607006	\$	4,270	\$	-	\$	4,270		\$	10,284	\$	-	\$	-	Schedule 9 & 11 Charges		
OMPA	AG3-2009-019	73441050	\$	513,539	\$	-	\$	513,539		Indeterminate	\$	2,341,165	\$	-	\$	-	Schedule 9 & 11 Charges	
OMPA	AG3-2009-019	73441055	\$	-	\$	-	\$	-	15		\$	-	\$	-	\$	-	Schedule 9 & 11 Charges	
OMPA	AG3-2009-019	73441061	\$	340,042	\$	-	\$	340,042		Indeterminate	\$	1,554,332	\$	-	\$	-	Schedule 9 & 11 Charges	
OMPA	AG3-2009-019	73441065	\$	-	\$	-	\$	-	14		\$	-	\$	-	\$	-	Schedule 9 & 11 Charges	
OMPA	AG3-2009-019	73441073	\$	-	\$	-	\$	-	14		\$	-	\$	-	\$	-	Schedule 9 & 11 Charges	
OMPA	AG3-2009-019	73441080	\$	-	\$	-	\$	-	15		\$	-	\$	-	\$	-	Schedule 9 & 11 Charges	
OPPM	AG3-2009-023	73449634	\$	136,956	\$	-	\$	136,956			\$	291,112	\$	-	\$	-	Schedule 9 & 11 Charges	
OPPM	AG3-2009-021	73450809	\$	3,182,044	\$	-	\$	3,182,044			\$	6,627,187	\$	-	\$	-	Schedule 9 & 11 Charges	
PPMI	AG3-2009-036	73448026	\$	6,353,313	\$	6,353,313	\$	-			\$	10,150,345	\$	10,150,345	\$	5,700,000	\$	10,150,345
PPMI	AG3-2009-035	73448030	\$	1,140,400	\$	1,140,400	\$	-			\$	2,609,049	\$	2,609,049	\$	5,700,000	\$	5,700,000
SPSM	AG3-2009-013	73437686	\$	150,585	\$	-	\$	150,585	16	\$	926,173	\$	312,962	\$	-	\$	-	926,173
SPSM	AG3-2009-012	73437709	\$	225,878	\$	-	\$	225,878	16	\$	1,389,260	\$	462,050	\$	-	\$	-	1,389,260
SPSM	AG3-2009-010	73439784	\$	-	\$	-	\$	-	16	\$	3,222,040	\$	-	\$	-	\$	-	3,222,040
WFEC	AG3-2009-003	1614798	\$	2,944,524	\$	107,565	\$	2,836,959			\$	8,649,488	\$	484,405	\$	-	\$	484,405
WFEC	AG3-2009-004	1614799	\$	120,610	\$	40,203	\$	80,407			\$	472,235	\$	157,411	\$	-	\$	157,411
WFEC	AG3-2009-031	73436312	\$	124,876	\$	-	\$	124,876	16	\$	462,527	\$	416,819	\$	-	\$	-	462,527
Grand Total			\$	57,344,541	\$		\$	31,441,161			\$	113,591,483	\$	46,885,146				

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

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

Note 3: Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispach. 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 redispach 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

Note 16: Direct Assigned Network Upgrades

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	\$ 79,326	\$ -	\$ 82,230	\$ 249,964
									\$ 79,326	\$ -	\$ 82,230	\$ 249,964

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	CLASSEN - SW STAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 5,807	\$ 2,904	\$ 8,711	\$ 100,000	\$ 25,651
	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012			\$ 73,519	\$ -	\$ 73,519	\$ 300,000	\$ 224,113
Total						\$ 79,326	\$ 2,904	\$ 82,230	\$ 400,000	\$ 249,964

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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
73453875	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453875	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	4/1/2013		Yes
	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	AMELIA BULK - CHINA 230KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	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
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	\$ 80,945	\$ -	\$ 83,908	\$ 255,065
									\$ 80,945	\$ -	\$ 83,908	\$ 255,065

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	CLASSEN - SW 5TAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 5,926	\$ 2,963	\$ 8,889	\$ 100,000	\$ 28,379
	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012			\$ 75,019	\$ -	\$ 75,019	\$ 300,000	\$ 228,686
Total						\$ 80,945	\$ 2,963	\$ 83,908	\$ 400,000	\$ 255,065

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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
73453863	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453863	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	4/1/2013		Yes
	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	AMELIA BULK - CHINA 230KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	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**
 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 Allowable	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	\$ 220,575	-	\$ 227,949	\$ 698,888
									\$ 220,575	-	\$ 227,949	\$ 698,888

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	CLASSEN - SW STAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 11,147	\$ 5,573	\$ 16,720	\$ 100,000	\$ 49,618
	EASTON REC - PIRKEY 138KV CKT 1	6/1/2012	6/1/2012			\$ 151,462	\$ -	\$ 151,462	\$ 300,000	\$ 461,712
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012	Yes	Yes	\$ 54,365	\$ -	\$ 54,365	\$ 200,000	\$ 173,863
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	12/1/2010	2/1/2012	Yes	Yes	\$ 3,601	\$ 1,801	\$ 5,402	\$ 50,000	\$ 13,694
	Total					\$ 220,575	\$ 7,374	\$ 227,949	\$ 650,000	\$ 698,888

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453750	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	FRIIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		Yes
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		No
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		Yes
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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	10/1/2013		Yes
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		Yes
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		Yes
	TUCO - WOODWARD 345KV CKT 1	6/1/2011	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
73453750	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	BUSH SUB - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		No
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	CHERRY SUB 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2014		No
	EAST PLANT - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		No
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		Yes
	FRIIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		Yes
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		Yes
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		Yes
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		Yes
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	STILWELL - WEST GARDNER 345KV CKT 1	6/1/2012	6/1/2012		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		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
73453750	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2017	6/1/2017		
	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1	6/1/2017	6/1/2017		
	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	6/1/2012	4/1/2013		Yes
	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

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
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		
	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	ALPINE AECC - AMITY SS 115KV CKT 1	1/1/2011	1/1/2011	12/1/2010		\$ -	\$ -
	ALPINE AECC - BISMARCK 115KV CKT 1	1/1/2011	1/1/2011	12/1/2010		\$ -	\$ -
	AMELIA BULK - CHINA 230KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	BISMARCK - HOT SPRINGS WEST BUS 115KV CKT 1	1/1/2011	1/1/2011	12/1/2010		\$ -	\$ -
	CYPRESS 500/138KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	CYPRESS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	MCADAMS 500/230KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	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	6/1/2016	6/1/2021	\$ -	\$ 11,457,000	\$ -	\$ -
									\$ -	\$ 11,457,000	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73194190	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
73194190	Centerlon - Osage Creek 345 kV	6/1/2014	6/1/2016		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest 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		

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		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	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		

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			\$ -	\$ 6,384,000	\$ 141,831	\$ 450,785
									\$ -	\$ 6,384,000	\$ 141,831	\$ 450,785

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	12/1/2014	12/1/2014			\$ 141,831	\$ 275,000	\$ 450,785
					Total	\$ 141,831	\$ 275,000	\$ 450,785

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			8/1/2010	6/1/2011
	Centerion - Osage Creek 345 kv	6/1/2014	6/1/2016		Yes
	Multi - Stateline - Joplin - Reinmiller conversion	6/1/2015	6/1/2015		
	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	8/1/2010	2/1/2012		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV 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
73453318	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		

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	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	12/1/2011		

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
73453318	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUB 110 - OROGONO 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			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	12/1/2010	12/1/2010			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	12/1/2010	12/1/2010			\$ -	\$ -
	DELL 161 - MANILLA AECC 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	EUREKA SPRINGS - OSAGE CREEK (AECC) 161KV CKT 1 EES	6/1/2015	6/1/2015			\$ -	\$ -
	HARISBURG TAP - MARKED TREE 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	HERGETT - TRUMANN WEST AECC 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	JONESBORO - JONESBORO 161KV CKT 1 EES	6/1/2015	6/1/2015			\$ -	\$ -
	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	MANILLA AECC - MONETTE JUNCTION 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	MARKED TREE - TWIST 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	MONETTE JUNCTION - PARAGOULD 161 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	NEWPORT - NEWPORT INDUSTRIAL 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	NEWPORT AB - NEWPORT INDUSTRIAL 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	PARAGOULD 161 - PARAGOULD SOUTH (AECC) 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	PARKIN - TWIST 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	12/1/2010	12/1/2010			\$ -	\$ -
	SARATOGA - SOUTHWEST CITY 69KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	TRUMANN - TRUMANN WEST AECC 161KV CKT 1	8/1/2010	8/1/2010			\$ -	\$ -
	XFR - Paragould 161/69 kv Auto 1 & 2	8/1/2010	6/1/2012		Yes	\$ -	\$ -
					Total	\$ -	\$ -

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	6/1/2013	4/1/2024	\$ 3,397,408	\$ -	\$ 3,397,408	\$ 5,898,407
									\$ 3,397,408	\$ -	\$ 3,397,408	\$ 5,898,407

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	8/1/2010	6/1/2014			\$ 172,505	\$ 5,929,750	\$ 312,958
	ELK CITY - RHIND4 - 138.00 138KV CKT 1	8/1/2011	6/1/2013		Yes	\$ 13,683	\$ 3,600,000	\$ 27,202
	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014			\$ 3,211,220	\$ 11,981,250	\$ 5,558,247
					Total	\$ 3,397,408	\$ 21,511,000	\$ 5,898,407

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	ANADARKO - POTTER 345KV CKT 1		6/1/2017	6/1/2017	
	CARNEGIE - HOBART JUNCTION 138KV CKT 1		6/1/2015	6/1/2015	
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1		6/1/2011	6/1/2011	
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC		6/1/2019	6/1/2019	
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE		6/1/2019	6/1/2019	
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1		8/1/2010	6/1/2012	
	FLETCHER - HOLCOMB 115KV CKT 1		6/1/2015	6/1/2015	
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1		8/1/2010	6/1/2013	
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1		6/1/2012	6/1/2012	
	HARPER - MILAN TAP 138KV CKT 1		6/1/2019	6/1/2019	
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW		6/1/2015	6/1/2015	6/1/2013
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE		6/1/2015	6/1/2015	6/1/2013
	JONES - TUCO 345KV CKT 1		6/1/2018	6/1/2018	
	KINSLEY 115KV Capacitor		8/1/2010	6/1/2011	
	NEWHART INTERCHANGE PROJECT		6/1/2011	1/1/2013	
	PAWNEE 115KV Capacitor		8/1/2010	6/1/2011	
	POTTER - ANADARKO 345 KV		6/1/2017	6/1/2017	
	POTTER - STATELINE 345 KV CKT 1		6/1/2017	6/1/2017	
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1		6/1/2015	6/1/2015	
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW		8/1/2010	6/1/2013	10/1/2012 Yes
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC		8/1/2013	6/1/2013	
	WOLF - AXTELL 345 KV CKT 1 MIDW		6/1/2013	6/1/2013	
	WOLF - AXTELL 345 KV CKT 1 NPPD		6/1/2013	6/1/2013	
	WOLF 345/230 KV TRANSFORMER		6/1/2013	6/1/2013	

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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2		6/1/2015	6/1/2015	
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1		6/1/2015	6/1/2015	
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1		6/1/2014	6/1/2014	
	HART INDUSTRIAL - NEWHART 115 KV CKT 1		6/1/2011	6/1/2013	
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW		8/1/2010	6/1/2011	Yes
	HEIZER - MULLERGREEN 115 KV CKT 1 MKEC		8/1/2010	6/1/2011	Yes
	KRESS - NEWHART 115 KV CKT 1		6/1/2011	6/1/2014	
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1		6/1/2011	6/1/2014	
	MULESHOE EAST 115 KV		6/1/2015	6/1/2015	
	STATELINE - ANADARKO 345 KV CKT 1 OKGE		6/1/2017	6/1/2017	
	STATELINE - ANADARKO 345 KV CKT 1 SPS		6/1/2017	6/1/2017	
	STILWELL - WEST GARDNER 345KV CKT 1		6/1/2012	6/1/2012	
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1		6/1/2011	6/1/2014	

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440909	LATAN - NASHUA 345KV CKT 1		12/1/2010	6/1/2015	
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated		12/1/2010	6/1/2013	
	ROSE HILL (ROSEHILX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement		8/1/2010	6/1/2012	
	SEWARD - ST JOHN 115KV CKT 1		8/1/2010	6/1/2011	

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
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	6/1/2014	6/1/2019	\$ -	\$ 175,860	\$ 81,410	\$ 159,904
									\$ -	\$ 175,860	\$ 81,410	\$ 159,904

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453392	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014			\$ 30,162	\$ 11,981,250	\$ 58,518
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 51,248	\$ 7,500,000	\$ 101,386
					Total	\$ 81,410	\$ 19,481,250	\$ 159,904

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	8/1/2010	6/1/2013		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	OGALLALA 230/115KV TRANSFORMER CKT 2	8/1/2010	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453392	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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
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		

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	6/1/2014	6/1/2019	\$ -	\$ 266,102	\$ 52,615	\$ 102,080
									\$ -	\$ 266,102	\$ 52,615	\$ 102,080

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453272	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014			\$ 52,615	\$ 11,981,250	\$ 102,080
					Total	\$ 52,615	\$ 11,981,250	\$ 102,080

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	ANADARKO - POTTER 345KV CKT 1			6/1/2017	6/1/2017
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2011
	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
	JONES - TUCO 345KV CKT 1			6/1/2018	6/1/2018
	KINSLEY 115KV Capacitor			8/1/2010	6/1/2011
	NEWHART INTERCHANGE PROJECT			6/1/2011	1/1/2013
	PAWNEE 115KV Capacitor			8/1/2010	6/1/2011
	POTTER - ANADARKO 345 KV			6/1/2017	6/1/2017
	POTTER - STATELINE 345 KV CKT 1			6/1/2017	6/1/2017
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1			6/1/2015	6/1/2015
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			8/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2013	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2013	6/1/2013

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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	CANADAY - LEXINGTON 115KV CKT 1			12/1/2010	6/1/2013
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1			6/1/2014	6/1/2014
	HART INDUSTRIAL - NEWHART 115 KV CKT 1			6/1/2011	6/1/2013
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW			8/1/2010	6/1/2011
	HEIZER - MULLERGREEN 115 KV CKT 1 MKEC			8/1/2010	6/1/2011
	KRESS - NEWHART 115 KV CKT 1			6/1/2011	6/1/2014
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1			6/1/2011	6/1/2014
	MULESHOE EAST 115 KV			6/1/2015	6/1/2015
	OGALLALA 230/115KV TRANSFORMER CKT 2			8/1/2010	6/1/2014
	STATELINE - ANADARKO 345 KV CKT 1 OKGE			6/1/2017	6/1/2017
	STATELINE - ANADARKO 345 KV CKT 1 SPS			6/1/2017	6/1/2017
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1			6/1/2011	6/1/2014

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453272	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			12/1/2010	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	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	6/1/2014	6/1/2019	\$ -	\$ 175,860	\$ 81,410	\$ 159,904
									\$ -	\$ 175,860	\$ 81,410	\$ 159,904

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453537	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014			\$ 30,162	\$ 11,981,250	\$ 58,518
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 51,248	\$ 7,500,000	\$ 101,386
					Total	\$ 81,410	\$ 19,481,250	\$ 159,904

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	8/1/2010	6/1/2013		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	OGALLALA 230/115KV TRANSFORMER CKT 2	8/1/2010	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453537	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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
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		

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	6/1/2014	6/1/2019	\$ -	\$ 175,860	\$ 81,410	\$ 159,904
									\$ -	\$ 175,860	\$ 81,410	\$ 159,904

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73453187	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014			\$ 30,162	\$ 11,981,250	\$ 58,518
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 51,248	\$ 7,500,000	\$ 101,386
					Total	\$ 81,410	\$ 19,481,250	\$ 159,904

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	8/1/2010	6/1/2013		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	OGALLALA 230/115KV TRANSFORMER CKT 2	8/1/2010	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73453187	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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
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		

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	6/1/2014	6/1/2019	\$ 2,204,749	\$ -	\$ 2,204,749	\$ 3,393,800
									\$ 2,204,749	\$ -	\$ 2,204,749	\$ 3,393,800

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1607046	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 146,710	\$ 10,241,000	\$ 272,984
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 1,952,845	\$ 7,500,000	\$ 2,925,082
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 85,038	\$ 5,936,000	\$ 159,231
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 20,156	\$ 1,407,000	\$ 37,504
	Total					\$ 2,204,749	\$ 25,084,000	\$ 3,393,800

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	8/1/2010	6/1/2013		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	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
1607046	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		Yes
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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
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	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73450023	WPEK	WR	13	6/1/2010	6/1/2020	6/1/2014	6/1/2024	\$ 2,247,975	\$ -	\$ 3,371,962	\$ 6,979,043
KPP	73450028	WPEK	WPEK	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ 2,247,975	\$ -	\$ 3,371,962	\$ 6,979,043

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	8/1/2010	6/1/2014			\$ 456,001	\$ 228,000	\$ 684,001	\$ 5,929,750	\$ 1,208,405
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 877,518	\$ 438,759	\$ 1,316,277	\$ 10,241,000	\$ 2,888,751
	CRESWELL - OAK 69KV CKT 1	8/1/2010	12/1/2011		Yes	\$ 119,279	\$ 59,640	\$ 178,919	\$ 1,000,000	\$ 370,749
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 165,979	\$ 82,989	\$ 248,968	\$ 7,500,000	\$ 439,845
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 508,637	\$ 254,318	\$ 762,955	\$ 5,936,000	\$ 1,674,410
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 120,561	\$ 60,281	\$ 180,842	\$ 1,407,000	\$ 396,883
	Total					\$ 2,247,975	\$ 1,123,987	\$ 3,371,962	\$ 32,013,750	\$ 6,979,043

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	8/1/2010	6/1/2013		
	GREENLEAF - KNOB HILL 115KV CKT 1 WERE	6/1/2013	6/1/2013	6/1/2010	
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	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
73450023	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW	8/1/2010	6/1/2011		
	HEIZER - MULLERGREEN 115 KV CKT 1 MKEC	8/1/2010	6/1/2011		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450023	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2011		Yes
	CHASE - WHITE JUNCTION 69KV CKT 1	8/1/2010	12/1/2012		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	12/1/2011		
	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	Hitchland Interchange - Moore County Interchange 230 kV	8/1/2010	8/1/2010		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		Yes
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	8/1/2010	7/1/2011		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		Yes
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	8/1/2010	11/22/2010		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		
	NORTHWEST - WOODWARD 345KV CKT 1	1/1/2010	1/1/2010		

Reservations 73450023, 73450028, and 73447072 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 AG3-2009-025

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	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73450014	NPPD	WR	1	6/1/2010	6/1/2020	6/1/2014	6/1/2024	\$ 483,096	\$ -	\$ 483,096	\$ 1,000,757
KPP	73450018	NPPD	WPEK	1	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ 483,096	\$ -	\$ 483,096	\$ 1,000,757

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	8/1/2010	6/1/2014			\$ 93,521	\$ 5,929,750	\$ 165,221
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014			\$ 189,855	\$ 10,241,000	\$ 416,663
	CRESWELL - OAK 69KV CKT 1	8/1/2010	12/1/2011			\$ 25,460	\$ 1,000,000	\$ 52,737
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 38,140	\$ 7,500,000	\$ 67,381
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 110,046	\$ 5,936,000	\$ 241,511
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 26,084	\$ 1,407,000	\$ 57,245
Total						\$ 483,096	\$ 32,013,750	\$ 1,000,757

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	AUBURN ROAD (AUBRN7X) 230/115/13.8KV TRANSFORMER CKT 2	8/1/2010	6/1/2013		
	BEATRICE - HARBINE 115KV CKT 1	6/1/2019	6/1/2019		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450014	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2011		
	CHASE - WHITE JUNCTION 69KV CKT 1	8/1/2010	12/1/2012		
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2012	6/1/2013		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	12/1/2011		
	Hitchland Interchange - Moore County Interchange 230 kV	8/1/2010	8/1/2010		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	8/1/2010	7/1/2011		
	ROSE HILL (ROSEHLTX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	8/1/2010	11/22/2010		
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	6/1/2011		

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
73450014	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2011	6/1/2013		

Reservations 73450014, 73450018, and 73447046 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

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	6/1/2014	6/1/2024	\$ 6,759,402	-	\$ 6,759,402	\$ 13,779,248
KPP	73446862	WR	WR	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	-	-	-	-
KPP	73446872	WR	WPEK	20	6/1/2010	6/1/2020	6/1/2014	6/1/2024	\$ 2,734,665	-	\$ 2,734,665	\$ 4,582,556
									\$ 9,494,067	\$ -	\$ 9,494,067	\$ 18,361,804

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	8/1/2010	6/1/2014			\$ 1,991,964	\$ 5,929,750	\$ 3,519,129
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 2,458,878	\$ 10,241,000	\$ 5,396,347
	CRESWELL - OAK 69KV CKT 1	8/1/2010	12/1/2011		Yes	\$ 100,677	\$ 1,000,000	\$ 208,619
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 444,828	\$ 7,500,000	\$ 785,865
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 1,425,242	\$ 5,936,000	\$ 3,127,890
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 337,823	\$ 1,407,000	\$ 741,399
					Total	\$ 6,759,402	\$ 32,013,750	\$ 13,779,248
73446872	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014		Yes	\$ 2,734,665	\$ 11,981,250	\$ 4,582,556
					Total	\$ 2,734,665	\$ 11,981,250	\$ 4,582,556

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	6/1/2011		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
73446872	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2019	6/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2019	6/1/2019		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	FLETCHER - HOLCOMB 115KV CKT 1	6/1/2015	6/1/2015		
	HARPER - MILAN TAP 138KV CKT 1	6/1/2019	6/1/2019		
	HOLCOMB - PLYMELL 115KV CKT 1	8/1/2010	10/31/2010		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015	6/1/2013	
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015	6/1/2013	
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	PIONEER TAP - PLYMELL 115KV CKT 1	8/1/2010	10/31/2010		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	Yes
	SPEARVILLE - WOLF 345 KV CKT 1 SUNG	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		

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

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	
73446841	CHASE - WHITE JUNCTION 69KV CKT 1	8/1/2010	12/1/2012		Yes	
	CLIFTON - GREENLEAF 115KV CKT 1	6/1/2012	6/1/2013			
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013			
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	8/1/2010	7/1/2011			
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		Yes	
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	8/1/2010	11/22/2010		Yes	
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	6/1/2011			
	73446872	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		
		ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		
		SEWARD - ST JOHN 115KV CKT 1	8/1/2010	6/1/2011		Yes

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73446872	Pratt 115/34.5KV Transformer	8/1/2010	6/1/2014			\$ 2,000,000	\$ 2,000,000
	Cunningham - Pratt 34.5KV CKT 1	8/1/2010	6/1/2014			\$ 4,164,600	\$ 4,164,600
	Cunningham Voltage Regulator	8/1/2010	6/1/2014			\$ 250,000	\$ 250,000
Total						\$ 6,414,600	\$ 6,414,600

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		
	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		
	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		

Reservations 73446841, 73446862, 73446884, 73446928, 73447001, and 73447005 were studied as one request
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 AG3-2009-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	73446884	WR	WR	13	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73446928	WR	WR	396	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73449987	WR	WPEK	20	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73446884	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -
73446928	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -
73449987	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -

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

Customer Study Number
KPP 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	73447001	WPEK	WR	396	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73449996	WPEK	WPEK	20	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	73450005	WPEK	WR	12	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73447001	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -
73449996	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -
73450005	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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	\$ -	\$ -	\$ 14,115,943	\$ 24,625,380
KPP	73512723	KCPL	WR	45	4/1/2010	1/1/2015	8/1/2010	5/1/2015	\$ -	\$ -	\$ -	\$ -
KPP	73512724	KCPL	WPEK	45	4/1/2010	1/1/2015	8/1/2010	5/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ 14,115,943	\$ 24,625,380

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	8/1/2010	6/1/2014			\$ 2,987,769	\$ 5,929,750	\$ 4,438,900
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 5,824,616	\$ 10,241,000	\$ 10,380,504
	CRESWELL - OAK 69KV CKT 1	8/1/2010	12/1/2011		Yes	\$ 693,840	\$ 1,000,000	\$ 1,209,054
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014		Yes	\$ 776,757	\$ 7,500,000	\$ 1,153,994
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 3,260,201	\$ 5,936,000	\$ 6,016,861
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 772,760	\$ 1,407,000	\$ 1,426,166
Total						\$ 14,115,943	\$ 32,013,750	\$ 24,625,380

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	6/1/2011		
	EAST MANHATTAN - NW MANHATTAN 230/115KV	8/1/2010	6/1/2012		Yes
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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	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	6/1/2011		Yes
	CHASE - WHITE JUNCTION 69KV CKT 1	8/1/2010	12/1/2012		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	12/1/2011		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	8/1/2010	7/1/2011		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		Yes
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	8/1/2010	11/22/2010		Yes
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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
73512720	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Reservations 73512720, 73512723, and 73512724 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 AG3-2009-060

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	73449425	WPEK	WR	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	-	-	-
KPP	73450042	WPEK	WPEK	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	-	-	-
KPP	73450045	WPEK	WR	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	-	-	-
KPP	73450048	WR	WPEK	10	6/1/2010	6/1/2020	8/1/2010	8/1/2020	\$ -	-	-	-
KPP	73450052	WR	WPEK	10	6/1/2010	6/1/2020	6/1/2014	6/1/2024	\$ 1,620,000	-	\$ 2,447,295	\$ 4,213,291
									\$ 1,620,000	\$ -	\$ 2,447,295	\$ 4,213,291

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73450052	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 94,882	\$ 10,241,000	\$ 208,232
	CRESWELL - OAK 69KV CKT 1	8/1/2010	12/1/2011		Yes	\$ 1,113	\$ 1,000,000	\$ 2,306
	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014		Yes	\$ 1,982,967	\$ 11,981,250	\$ 3,322,914
	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 300,301	\$ 7,500,000	\$ 530,533
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 54,996	\$ 5,936,000	\$ 120,696
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014		Yes	\$ 13,036	\$ 1,407,000	\$ 28,609
Total						\$ 2,447,295	\$ 38,065,250	\$ 4,213,291

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	6/1/2011		
	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	6/1/2019	6/1/2019		
	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	6/1/2019	6/1/2019		
	EVANS ENERGY CENTER SOUTH - GODDARD - CLEARWATER 138KV CKT 1	8/1/2010	6/1/2012		
	HARPER - MILAN TAP 138KV CKT 1	6/1/2019	6/1/2019		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015	6/1/2013	
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015	6/1/2013	
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNG	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	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
73450052	FLATRDG3 138.00 - HARPER 138KV CKT 1	12/1/2010	6/1/2013		
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	8/1/2010	6/1/2012		Yes
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	6/1/2011		Yes

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73450052	HARPER - CITY OF ANTHONY 138 KV CKT 1	8/1/2010	6/1/2014			\$ 8,000,000	\$ 8,000,000
Total						\$ 8,000,000	\$ 8,000,000

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

For reservation 73450052, The Maximum Firm Import Capability before the HARPER - CITY OF ANTHONY 138 KV CKT 1 upgrade is 5MW due to 34.5kV distribution limitations.

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					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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	6/1/2011
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1			8/1/2010	6/1/2013
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1			6/1/2012	6/1/2012
	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			8/1/2010	6/1/2011
	NEWHART INTERCHANGE PROJECT			6/1/2011	1/1/2013
	PAWNEE 115KV Capacitor			8/1/2010	6/1/2011
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1			6/1/2015	6/1/2015
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			8/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2013	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2013	6/1/2013

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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1			6/1/2014	6/1/2014
	HART INDUSTRIAL - NEWHART 115 KV CKT 1			6/1/2011	6/1/2013
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW			8/1/2010	6/1/2011
	HEIZER - MULLERGREEN 115 KV CKT 1 MKEC			8/1/2010	6/1/2011
	KRESS - NEWHART 115 KV CKT 1			6/1/2011	6/1/2014
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1			6/1/2011	6/1/2014
	MULESHOE EAST 115 KV			6/1/2015	6/1/2015
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1			6/1/2011	6/1/2014

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440251	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			12/1/2010	6/1/2013
	SEWARD - ST JOHN 115KV CKT 1			8/1/2010	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
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
	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
 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	10/1/2012	10/1/2017	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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	ANADARKO - POTTER 345KV CKT 1			6/1/2017	6/1/2017
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1			6/1/2011	6/1/2011
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1			8/1/2010	6/1/2013
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1			6/1/2012	6/1/2012
	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			8/1/2010	6/1/2011
	NEWHART INTERCHANGE PROJECT			6/1/2011	1/1/2013
	PAWNEE 115KV Capacitor			8/1/2010	6/1/2011
	POTTER - ANADARKO 345 KV			6/1/2017	6/1/2017
	POTTER - STATELINE 345 KV CKT 1			6/1/2017	6/1/2017
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1			6/1/2015	6/1/2015
	SPEARVILLE - WOLF 345 KV CKT 1 MIDW			8/1/2010	6/1/2013
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 MIDW			6/1/2013	6/1/2013
	WOLF - AXTELL 345 KV CKT 1 NPPD			6/1/2013	6/1/2013
	WOLF 345/230 KV TRANSFORMER			6/1/2013	6/1/2013

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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1			6/1/2014	6/1/2014
	HART INDUSTRIAL - NEWHART 115 KV CKT 1			6/1/2011	6/1/2013
	HEIZER - MULLERGREEN 115 KV CKT 1 MIDW			8/1/2010	6/1/2011
	HEIZER - MULLERGREEN 115 KV CKT 1 MKEC			8/1/2010	6/1/2011
	KRESS - NEWHART 115 KV CKT 1			6/1/2011	6/1/2014
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1			6/1/2011	6/1/2014
	MULESHOE EAST 115 KV			6/1/2015	6/1/2015
	STATELINE - ANADARKO 345 KV CKT 1 OKGE			6/1/2017	6/1/2017
	STATELINE - ANADARKO 345 KV CKT 1 SPS			6/1/2017	6/1/2017
	STILWELL - WEST GARDNER 345KV CKT 1			6/1/2012	6/1/2012
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1			6/1/2011	6/1/2014

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73440203	IATAN - NASHUA 345KV CKT 1			12/1/2010	6/1/2015
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated			12/1/2010	6/1/2013
	SEWARD - ST JOHN 115KV CKT 1			8/1/2010	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
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
	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
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	8/1/2010	8/1/2015	\$ -	\$ 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						\$ -	\$ -	\$ -

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
1607977	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	8/1/2010	6/1/2013	10/1/2012	
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		

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	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	8/1/2010	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	\$ 867,840	\$ -	\$ 1,190,677	\$ 2,966,052
									\$ 867,840	\$ -	\$ 1,190,677	\$ 2,966,052

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	CLASSEN - SW 5TAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 27,701	\$ -	\$ 27,701	\$ 100,000	\$ 82,193
	ELK CITY - RHWIND4 - 138.00 138KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 161,775	\$ 80,887	\$ 242,662	\$ 3,600,000	\$ 585,787
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013		Yes	\$ 194,464	\$ -	\$ 194,464	\$ 505,542	\$ 695,063
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	12/1/2010	2/1/2012		Yes	\$ 12,879	\$ 6,440	\$ 19,319	\$ 50,000	\$ 48,970
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2010	6/1/2013		Yes	\$ 471,021	\$ 235,510	\$ 706,531	\$ 5,000,000	\$ 1,554,039
	Total					\$ 867,840	\$ 322,837	\$ 1,190,677	\$ 9,255,542	\$ 2,966,052

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		
	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	TUCO - WOODWARD 345KV CKT 1	6/1/2011	6/1/2014		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439915	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	6/1/2015	6/1/2015		
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE	6/1/2015	6/1/2015		
	MULESHOE EAST 115 KV	6/1/2015	6/1/2015		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439915	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated	8/1/2010	6/1/2013		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	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
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	\$ 3,057,599	\$ -	\$ 4,569,544	\$ 10,019,429
									\$ 3,057,599	\$ -	\$ 4,569,544	\$ 10,019,429

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	CLASSEN - SW 5TAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 33,710	\$ -	\$ 33,710	\$ 100,000	\$ 97,715
	ELK CITY - RHWIND4 - 138.00 138KV CKT 1	6/1/2011	6/1/2013		Yes	\$ 149,895	\$ 74,948	\$ 224,843	\$ 3,600,000	\$ 536,868
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	12/1/2010	2/1/2012		Yes	\$ 11,681	\$ 5,841	\$ 17,522	\$ 50,000	\$ 43,931
	TALOGA (TALOGA) 138/69/13.8KV TRANSFORMER CKT 1	12/1/2010	6/1/2013		Yes	\$ 2,862,313	\$ 1,431,156	\$ 4,293,469	\$ 5,000,000	\$ 9,340,915
	Total					\$ 3,057,599	\$ 1,511,945	\$ 4,569,544	\$ 8,750,000	\$ 10,019,429

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		
	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	TUCO - WOODWARD 345KV CKT 1	6/1/2011	6/1/2014		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439927	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	6/1/2015	6/1/2015		
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE	6/1/2015	6/1/2015		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	MULESHOE EAST 115 KV	6/1/2015	6/1/2015		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73439927	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated	8/1/2010	6/1/2013		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012		Yes
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	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
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	8/1/2010	8/1/2025	\$ 4,270	\$ -	\$ 4,270	\$ 10,284
									\$ 4,270	\$ -	\$ 4,270	\$ 10,284

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1607006	CLASSEN - SW STAP 138KV CKT 1	6/1/2015	6/1/2015			\$ 4,270	\$ 100,000	\$ 10,284
Total						\$ 4,270	\$ 100,000	\$ 10,284

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		

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	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1607006	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated	8/1/2010	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
1607006	WOODWARD - WOODWARD EHV 138KV CKT 1	1/1/2010	1/1/2010		
	WOODWARD - WOODWARD EHV 138KV CKT 2	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 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	6/1/2014	6/1/2043	\$ 513,539	-	\$ 513,539	\$ 2,341,165
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	\$ 340,042	-	\$ 340,042	\$ 1,554,332
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	\$ -	\$ -	\$ -	\$ -
									\$ 340,042	-	\$ 340,042	\$ 1,554,332

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	12/1/2014	12/1/2014			\$ 79,901	\$ 275,000	\$ 351,231
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014			\$ 245,888	\$ 10,241,000	\$ 1,129,155
	ELK CITY - RH/WINDA 138.00 138KV CKT 1	6/1/2011	6/1/2013	Yes		\$ 3,399	\$ 3,600,000	\$ 10,686
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 8,045	\$ 200,000	\$ 40,471
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 142,524	\$ 5,936,000	\$ 654,492
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 33,782	\$ 1,407,000	\$ 155,132
Total						\$ 513,539	\$ 21,659,000	\$ 2,341,165
73441061	AFTON - FAIRLAND EDE TAP 69KV CKT 1	12/1/2014	12/1/2014			\$ 53,268	\$ 275,000	\$ 237,373
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	8/1/2010	6/1/2014			\$ 163,895	\$ 10,241,000	\$ 751,270
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 5,364	\$ 200,000	\$ 27,019
	RICHLAND - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 94,998	\$ 5,936,000	\$ 435,457
	TIMBER JUNCTION - UDALL 69KV CKT 1	8/1/2010	6/1/2014			\$ 22,517	\$ 1,407,000	\$ 103,215
Total						\$ 340,042	\$ 18,059,000	\$ 1,554,332

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	Multi - Stateline - Joplin - Reinmiller conversion	6/1/2015	6/1/2015		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	8/1/2010	2/1/2012		
	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	6/1/2013	6/1/2013		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	6/1/2015	6/1/2015		
	WOLF - AXTELL 345 KV CKT 1 MIDW	6/1/2013	6/1/2013		
	WOLF - AXTELL 345 KV CKT 1 NPPD	6/1/2013	6/1/2013		
	WOLF 345/230 KV TRANSFORMER	6/1/2013	6/1/2013		
	73441061	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017	
CARNEGIE - HOBART JUNCTION 138KV CKT 1		6/1/2015	6/1/2015		
CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1		6/1/2015	6/1/2015		
EAGLE CHIEF CAPACITOR		6/1/2011	6/1/2011		
Multi - Stateline - Joplin - Reinmiller conversion		6/1/2015	6/1/2015		
POTTER - ANADARKO 345 KV		6/1/2017	6/1/2017		
POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017			
PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	8/1/2010	2/1/2012			
SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV 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

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	ALVA - ALVA 69KV CKT 1		6/1/2015	6/1/2015	
	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW		6/1/2015	6/1/2015	
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE		6/1/2015	6/1/2015	
	STATELINE - ANADARKO 345 KV CKT 1 OKGE		6/1/2017	6/1/2017	
	STATELINE - ANADARKO 345 KV CKT 1 SPS		6/1/2017	6/1/2017	
73441061	ALVA - ALVA 69KV CKT 1		6/1/2015	6/1/2015	
	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW		6/1/2015	6/1/2015	
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE		6/1/2015	6/1/2015	
	BROOKLINE - SUMMIT 345 KV CKT 1		6/1/2012	6/1/2014	
	STATELINE - ANADARKO 345 KV CKT 1 OKGE		6/1/2017	6/1/2017	
	STATELINE - ANADARKO 345 KV CKT 1 SPS		6/1/2017	6/1/2017	

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73441050	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated		8/1/2010	6/1/2013	Yes
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1		8/1/2010	7/1/2011	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement		8/1/2010	6/1/2012	
73441061	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated		8/1/2010	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
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 - ORONOJO 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 - ORONOJO 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	6/1/2013	No	\$ 16,224	\$ 500,000
	SARATOGA - SOUTHWEST CITY 69KV CKT 1		6/1/2015	6/1/2015		\$ -	\$ -
					Total	\$ 16,224	\$ 500,000
73441061	4FISHERTP 138.00 - KEYSTONE DAM 138KV CKT 1		6/1/2011	6/1/2013		\$ 10,813	\$ 500,000
	SARATOGA - SOUTHWEST CITY 69KV CKT 1		6/1/2015	6/1/2015		\$ -	\$ -
					Total	\$ 10,813	\$ 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	\$ 3,182,044	\$ -	\$ 3,182,044	\$ 6,627,187
									\$ 3,182,044	\$ -	\$ 3,182,044	\$ 6,627,187

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	HUMBOLDT 161/69KV TRANSFORMER CKT 1	12/1/2014	12/1/2014			\$ 3,000,000	\$ -	\$ 3,000,000	\$ 3,000,000	\$ 6,253,987
	SUB 906 SOUTH - SUB 924 69KV CKT 1	6/1/2015	6/1/2015			\$ 182,044	\$ -	\$ 182,044	\$ 319,000	\$ 373,200
	Total					\$ 3,182,044	\$ -	\$ 3,182,044	\$ 3,319,000	\$ 6,627,187

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	JUNCTION 205 - SUB 901 69KV CKT 1	6/1/2014	6/1/2014		
	JUNCTION 205 - SUB 910 69KV CKT 1	6/1/2014	6/1/2014		
	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2013	6/1/2013		
	SUB 917 - SUB 918 69KV CKT 1	6/1/2014	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
73450809	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
73450809	IATAN - NASHUA 345KV CKT 1	12/1/2010	6/1/2015		Yes

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73450809	SUB 1221 - SUB 1255 161KV CKT 1 #1	6/1/2012	12/1/2012		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	6/1/2015	7/1/2035	\$ 136,956	\$ -	\$ 136,956	\$ 291,112
									\$ 136,956	\$ -	\$ 136,956	\$ 291,112

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			\$ 136,956	\$ -	\$ 136,956	\$ 319,000	\$ 291,112
Total						\$ 136,956	\$ -	\$ 136,956	\$ 319,000	\$ 291,112

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	6/1/2014	6/1/2014		
	JUNCTION 205 - SUB 910 69KV CKT 1	6/1/2014	6/1/2014		
	SUB 906 NORTH - SUB 928 69KV CKT 1	6/1/2013	6/1/2013		
	SUB 917 - SUB 918 69KV CKT 1	6/1/2014	6/1/2014		
	SUB 921 - SUB 942 69KV CKT 1	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73449634	PETERSBURG - MADISON 115KV CKT 1	12/1/2011	6/1/2015		Yes

Planned Projects

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73449634	SUB 1221 - SUB 1255 161KV CKT 1 #1	6/1/2012	12/1/2012		

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	6/1/2016	6/1/2021	\$ -	\$ 5,700,000	\$ 1,140,400	\$ 2,609,049
									\$ -	\$ 5,700,000	\$ 1,140,400	\$ 2,609,049

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73448030	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014			\$ 1,140,400	\$ 7,500,000	\$ 2,609,049
						\$ 1,140,400	\$ 7,500,000	\$ 2,609,049

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CANYON WEST - SPRING DRAW 115 KV CKT 1	6/1/2012	1/1/2014		
	Centeron - Osage Creek 345 KV	6/1/2014	6/1/2016		
	FLETCHER - HOLCOMB 115KV CKT 1	6/1/2015	6/1/2015		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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	10/1/2013		

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	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	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
73448030	IATAN - NASHUA 345KV CKT 1	12/1/2010	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
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	6/1/2014	6/1/2019	\$ -	\$ 5,700,000	\$ 6,353,313	\$ 10,150,345
									\$ -	\$ 5,700,000	\$ 6,353,313	\$ 10,150,345

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73448026	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	8/1/2010	6/1/2014		Yes	\$ 3,909,297	\$ 11,981,250	\$ 6,094,224
	MOUNDRIDGE (MOUND10X) 138/115/113.8KV TRANSFORMER CKT 2	12/1/2011	6/1/2014		Yes	\$ 2,444,016	\$ 7,500,000	\$ 4,056,121
					Total	\$ 6,353,313	\$ 19,481,250	\$ 10,150,345

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2011	6/1/2011		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 WERE	6/1/2013	6/1/2013	6/1/2010	
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		Yes
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		Yes

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73448026	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		Yes
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	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	6/1/2012	6/1/2013		Yes
	GREENLEAF - KNOB HILL 115KV CKT 1 MKEC	6/1/2013	6/1/2013		
	IATAN - NASHUA 345KV CKT 1	12/1/2010	6/1/2015		Yes
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	12/1/2010	6/1/2013		Yes
	SEWARD - ST JOHN 115KV CKT 1	8/1/2010	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	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73439784	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
73439784	ANADARKO - POTTER 345KV CKT 1			6/1/2017	6/1/2017
	CANYON WEST - SPRING DRAW 115 KV CKT 1			6/1/2012	1/1/2014
	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1			6/1/2017	6/1/2017
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1			6/1/2017	6/1/2017
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2			6/1/2018	6/1/2018
	FRIO-DRAW - POTTER 345 KV CKT 1			6/1/2013	1/1/2014
	HASTINGS 115 KV CONVERSION			6/1/2012	6/1/2013
	Hobbs - Midland 230 kV to 345 KV Conversion			12/1/2014	12/1/2014
	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	1/1/2013
	POTTER - ANADARKO 345 KV			6/1/2017	6/1/2017
	POTTER - STATELINE 345 KV CKT 1			6/1/2017	6/1/2017
	Tuco - Woodward 345 KV OKGE			1/1/2014	6/1/2014
	Tuco - Woodward 345 KV SPS			1/1/2014	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
73439784	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2			6/1/2015	6/1/2015
	BUSH SUB - HASTINGS 115 KV CKT 1			6/1/2012	6/1/2014
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1			6/1/2015	6/1/2015
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1			6/1/2014	6/1/2014
	CHEERY SUB 230/115 KV TRANSFORMER CKT 1			6/1/2012	6/1/2014
	EAST PLANT - HASTINGS 115 KV CKT 1			6/1/2012	6/1/2014
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1			6/1/2013	6/1/2013
	FRIO-DRAW - OASIS 230 KV CKT 1			6/1/2012	6/1/2013
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1			6/1/2012	6/1/2013
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1			6/1/2012	6/1/2013
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1			6/1/2013	6/1/2014
	HART INDUSTRIAL - NEWHART 115 KV CKT 1			6/1/2011	6/1/2013
	KRESS - NEWHART 115 KV CKT 1			6/1/2011	6/1/2014
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1			6/1/2011	6/1/2014
	OCCOTILLO SUBSTATION CONVERSION			5/31/2012	6/1/2013
	STATELINE - ANADARKO 345 KV CKT 1 OKGE			6/1/2017	6/1/2017
	STATELINE - ANADARKO 345 KV CKT 1 SPS			6/1/2017	6/1/2017
	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1			6/1/2015	6/1/2015
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1			6/1/2011	6/1/2014
	SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1			1/1/2012	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
73439784	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1			6/1/2017	6/1/2017
	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1			6/1/2017	6/1/2017

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73439784	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1			1/1/2012	6/1/2012	\$ 1,611,122	\$ 3,000,000	\$ -
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1			1/1/2012	6/1/2012	\$ 1,610,918	\$ 3,000,000	\$ -
Total						\$ 3,222,040	\$ 6,000,000	\$ -

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

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	\$ 225,878	-	\$ 225,878	\$ 462,050
									\$ 225,878	\$ -	\$ 225,878	\$ 462,050

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			\$ 225,878	\$ 3,600,000	\$ 462,050
					Total	\$ 225,878	\$ 3,600,000	\$ 462,050

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
73437709	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CANYON WEST - SPRING DRAW 115 KV CKT 1	6/1/2012	1/1/2014		
	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	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	Hobbs - Midland 230 KV to 345 KV Conversion	12/1/2014	12/1/2014		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015	6/1/2013	
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015	6/1/2013	
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	MADDOX STATION - MONUMENT SUB 115KV CKT 1	6/1/2015	6/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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	10/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		Yes
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		Yes
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2018	6/1/2018		

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

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	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW		6/1/2015	6/1/2015	
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE		6/1/2015	6/1/2015	
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2		6/1/2015	6/1/2015	
	BUSH SUB - HASTINGS 115 KV CKT 1		6/1/2012	6/1/2014	Yes
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1		6/1/2015	6/1/2015	
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1		6/1/2014	6/1/2014	
	CHERRY SUB 230/115 KV TRANSFORMER CKT 1		6/1/2012	6/1/2014	Yes
	EAST PLANT - HASTINGS 115 KV CKT 1		6/1/2012	6/1/2014	Yes
	FARMERS ELECTRIC REC-CLOVIS - FRIDRW1 115.00 115KV CKT 1		6/1/2013	6/1/2013	
	FRIO-DRAW - OASIS 230 KV CKT 1		6/1/2012	6/1/2013	
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1		6/1/2012	6/1/2013	
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1		6/1/2012	6/1/2013	
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1		6/1/2013	6/1/2014	Yes
	HART INDUSTRIAL - NEWHART 115 KV CKT 1		6/1/2011	6/1/2013	
	KRESS - NEWHART 115 KV CKT 1		6/1/2011	6/1/2014	
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1		6/1/2011	6/1/2014	
	MULESHOE EAST 115 KV		6/1/2015	6/1/2015	
	STATELINE - ANADARKO 345 KV CKT 1 OKGE		6/1/2017	6/1/2017	
	STATELINE - ANADARKO 345 KV CKT 1 SPS		6/1/2017	6/1/2017	
	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1		6/1/2015	6/1/2015	
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1		6/1/2011	6/1/2014	
	SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1		1/1/2012	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
73437709	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated		8/1/2010	6/1/2013	
	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1		6/1/2015	6/1/2015	
	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1		6/1/2017	6/1/2017	
	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1		6/1/2017	6/1/2017	

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73437709	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1		1/1/2012	6/1/2012		\$ 694,504	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1		1/1/2012	6/1/2012		\$ 694,756	\$ 3,000,000
					Total	\$ 1,389,260	\$ 6,000,000

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	6/1/2013		\$ 283,778	\$ 500,000
					Total	\$ 10,813	\$ 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 Allowable	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	\$ 150,585	\$ -	\$ 150,585	\$ 312,962
									\$ 150,585	\$ -	\$ 150,585	\$ 312,962

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			\$ 150,585	\$ 3,600,000	\$ 312,962
					Total	\$ 150,585	\$ 3,600,000	\$ 312,962

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CANYON WEST - SPRING DRAW 115 KV CKT 1	6/1/2012	1/1/2014		
	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	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		Yes
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		Yes
	Hobbs - Midland 230 KV to 345 KV Conversion	12/1/2014	12/1/2014		
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW	6/1/2015	6/1/2015	6/1/2013	
	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE	6/1/2015	6/1/2015	6/1/2013	
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	MADDOX STATION - MONUMENT SUB 115KV CKT 1	6/1/2015	6/1/2015		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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	10/1/2013		Yes
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		Yes
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		Yes
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2018	6/1/2018		

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

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	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	6/1/2015	6/1/2015		
	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE	6/1/2015	6/1/2015		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	BUSH SUB - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		Yes
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	CHERRY SUB 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2014		Yes
	EAST PLANT - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		Yes
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		Yes
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		Yes
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		Yes
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	MULESHOE EAST 115 KV	6/1/2015	6/1/2015		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		
	SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	1/1/2012	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
73437686	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated	8/1/2010	6/1/2013		Yes
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	12/1/2010	6/1/2011		
	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1	6/1/2015	6/1/2015		
	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2017	6/1/2017		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	12/1/2011	12/1/2011		
	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1	6/1/2017	6/1/2017		

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73437686	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2012			\$ 463,003	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2012			\$ 463,170	\$ 3,000,000
Total						\$ 926,173	\$ 6,000,000

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	6/1/2013		No	\$ 189,185	\$ 500,000
Total						\$ 189,185	\$ 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	\$ 2,836,959	\$ -	\$ 2,944,524	\$ 8,649,488
									\$ 2,836,959	\$ -	\$ 2,944,524	\$ 8,649,488

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 - RH/WIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 2,614,073	\$ -	\$ 2,614,073	\$ 3,600,000	\$ 7,173,917
	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 78,051	\$ 39,025	\$ 117,076	\$ 200,000	\$ 480,996
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013			\$ 137,079	\$ 68,539	\$ 205,618	\$ 505,542	\$ 972,221
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	12/1/2010	2/1/2012			\$ 7,757	\$ -	\$ 7,757	\$ 50,000	\$ 22,354
	Total					\$ 2,836,959	\$ 107,565	\$ 2,944,524	\$ 4,355,542	\$ 8,649,488

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1614798	EAGLE CHIEF CAPACITOR	6/1/2011	6/1/2011		
	FRIODRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	HAMMETT TAP - HAMMETT2 138KV CKT 1	8/1/2010	6/1/2011		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	TUCO - WOODWARD 345KV CKT 1	6/1/2011	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
1614798	ALVA - ALVA 69KV CKT 1	6/1/2015	6/1/2015		
	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIODRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIODRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIODRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIODRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1614798	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	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
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	6/1/2014	6/1/2028	\$ 80,407	-	\$ 120,610	\$ 472,235
									\$ 80,407	-	\$ 120,610	\$ 472,235

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	ELK CITY (ELKCTY-4) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2012			\$ 10,100	\$ 5,050	\$ 15,150	\$ 200,000	\$ 53,000
	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	12/1/2010	6/1/2013			\$ 70,307	\$ 35,153	\$ 105,460	\$ 505,542	\$ 419,235
					Total	\$ 80,407	\$ 40,203	\$ 120,610	\$ 705,542	\$ 472,235

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	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CARNEGIE - HOBART JUNCTION 138KV CKT 1	6/1/2015	6/1/2015		
	CARNEGIE - SOUTHWESTERN STATION 138KV CKT 1	6/1/2015	6/1/2015		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	HAMMETT TAP - HAMMETT2 138KV CKT 1	8/1/2010	6/1/2011		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	RANDALL COUNTY INTERCHANGE - AMARILLO SOUTH INTERCHANGE 230 KV CKT 1	6/1/2015	6/1/2015		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	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
1614799	ALVA - ALVA 69KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1614799	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	12/1/2010	6/1/2012		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	12/1/2010	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
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 3 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer **Study Number**
 WFEC AG3-2009-031

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	73436312	WFEC	SPS	100	5/31/2012	5/31/2042	6/1/2014	6/1/2044	\$ 124,876	\$ -	\$ 124,876	\$ 416,819
									\$ 124,876	\$ -	\$ 124,876	\$ 416,819

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
73436312	ELK CITY - RHWIND4 138.00 138KV CKT 1	6/1/2011	6/1/2013			\$ 124,876	\$ 3,600,000	\$ 416,819
					Total	\$ 124,876	\$ 3,600,000	\$ 416,819

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
73436312	ANADARKO - POTTER 345KV CKT 1	6/1/2017	6/1/2017		
	CANYON WEST - SPRING DRAW 115 KV CKT 1	6/1/2012	1/1/2014		
	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	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	6/1/2017	6/1/2017		
	CHAVES COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	EDDY COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	6/1/2018	6/1/2018		
	FRIO-DRAW - POTTER 345 KV CKT 1	6/1/2013	1/1/2014		
	HASTINGS 115 KV CONVERSION	6/1/2012	6/1/2013		
	Hobbs - Midland 230 KV to 345 KV Conversion	12/1/2014	12/1/2014		
	JONES - TUCO 345KV CKT 1	6/1/2018	6/1/2018		
	JONES STATION - GRASSLAND 230 KV CKT 1	6/1/2015	6/1/2015		
	KINSLEY 115KV Capacitor	8/1/2010	6/1/2011		
	NEWHART INTERCHANGE PROJECT	6/1/2011	1/1/2013		
	PAWNEE 115KV Capacitor	8/1/2010	6/1/2011		
	PORTALES INTERCHANGE - ZODIAC 115 KV CKT 1	5/31/2012	6/1/2013		
	POTTER - ANADARKO 345 KV	6/1/2017	6/1/2017		
	POTTER - STATELINE 345 KV CKT 1	6/1/2017	6/1/2017		
	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	10/1/2013		
	Tuco - Woodward 345 KV OKGE	1/1/2014	6/1/2014		
	Tuco - Woodward 345 KV SPS	1/1/2014	6/1/2014		
	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2018	6/1/2018		

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

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
73436312	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		
	BUSH SUB - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		
	CASTRO COUNTY INTERCHANGE - CARGILL 115 KV CKT 1	6/1/2015	6/1/2015		
	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	6/1/2014	6/1/2014		
	CHERRY SUB 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2014		
	EAST PLANT - HASTINGS 115 KV CKT 1	6/1/2012	6/1/2014		
	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	6/1/2013	6/1/2013		
	FRIO-DRAW - OASIS 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	6/1/2013	6/1/2014		
	HART INDUSTRIAL - NEWHART 115 KV CKT 1	6/1/2011	6/1/2013		
	KRESS - NEWHART 115 KV CKT 1	6/1/2011	6/1/2014		
	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	6/1/2011	6/1/2014		
	LEA COUNTY ERF 69 KV CAPACITOR	5/31/2012	6/1/2014		
	LEA COUNTY ERF PROJECT	5/31/2012	6/1/2014		
	LEA COUNTY REC-ANCELL - LEA COUNTY REC-GAINES 69 KV CKT 1	5/31/2012	6/1/2014		
	LEA COUNTY REC-TP91 - LEA COUNTY REC-DARBY 69 KV CKT 1	5/31/2012	6/1/2014		
	MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1	5/31/2012	6/1/2013		
	MULESHOE EAST 115 KV	6/1/2015	6/1/2015		
	NEW-ERF3 115.00 115/69KV TRANSFORMER CKT 1	5/31/2012	6/1/2012		
	STATELINE - ANADARKO 345 KV CKT 1 OKGE	6/1/2017	6/1/2017		
	STATELINE - ANADARKO 345 KV CKT 1 SPS	6/1/2017	6/1/2017		
	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	6/1/2011	6/1/2014		
	SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	1/1/2012	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
73436312	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	6/1/2017	6/1/2017		
	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1	6/1/2017	6/1/2017		

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrades.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
73436312	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2012			\$ 231,371	\$ 3,000,000
	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	1/1/2012	6/1/2012			\$ 231,156	\$ 3,000,000
						Total	\$ 462,527 \$ 6,000,000

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
73436312	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	EASTON REC - PIRKEY 138KV CKT 1	Replace 2000 A switch and breaker at Pirkey	6/1/2012	6/1/2012	\$ 300,000
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
GRDA	AFTON - FAIRLAND EDE TAP 69KV CKT 1	Replace switch 600A with 1200A	12/1/2014	12/1/2014	\$ 275,000
MKEC	JUDSON LARGE - SPEARVILLE 115 KV CKT 2	Build new 230 kV line from Judson Large - Spearville anc operate at 115 kV	8/1/2010	6/1/2014	\$ 11,981,250
OKGE	CLASSEN - SW 5TAP 138KV CKT 1	Replace 800A trap at Classen	6/1/2015	6/1/2015	\$ 100,000
OKGE	FPL SWITCH - WOODWARD 138KV CKT 1 Accelerated	Reconductor/rebuild 12.07 miles of line to 795AS33	12/1/2010	6/1/2013	\$ 505,542
OPPD	HUMBOLDT 161/69KV TRANSFORMER CKT 1	Replace transformer	12/1/2014	12/1/2014	\$ 3,000,000
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
WERE	BELL - PECK 69KV CKT 1	Tear down / Rebuild 8.23 mile Bell-Peck 69 kV line with 1192 ACSR and replace CT	8/1/2010	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	8/1/2010	6/1/2014	\$ 10,241,000
WERE	CRESWELL - OAK 69KV CKT 1	Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.	8/1/2010	12/1/2011	\$ 1,000,000
WERE	MOUNDRIDGE (MOUND10X) 138/115/13.8KV TRANSFORMER CKT 2	Add second transformer in Moundridge Substation	12/1/2011	6/1/2014	\$ 7,500,000
WERE	RICHLAND - UDALL 69KV CKT 1	Tear down / Rebuild 8.48-mile Richland-Udall 69 kV line using 954 kcmil ACSR	8/1/2010	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	8/1/2010	6/1/2014	\$ 1,407,000
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	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	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	Reset CT at Bartlesville SE	12/1/2010	6/1/2011
AEPW	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1	Rebuild 4.33 of 795 ACSR with 1590 ACSR. Replace Oneta wavetrap & 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	12/1/2011
AEPW	RIVERSIDE STATION - TULSA POWER STATION 138KV CKT 1	Install 2% Reactor at Tulsa Power Station	6/1/2012	4/1/2013
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 wavetrap & 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 wavetrap at KCI	8/1/2010	6/1/2011
KACP	SWISSVALE - STILLWELL TAP	Tap the Swissvale to Stilwell 345 kV line at West Gardne	6/1/2011	6/1/2012
MKEC	CLIFTON - GREENLEAF 115KV CKT 1	Rebuild 14.4 miles	6/1/2012	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	6/1/2013	6/1/2013
MKEC	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1 Accelerated	Upgrade transformer	12/1/2010	6/1/2013
MKEC	SEWARD - ST JOHN 115KV CKT 1	Replace CTs and relays at Seward substation and St John substation	8/1/2010	6/1/2011
NPPD	PETERSBURG - MADISON 115KV CKT 1	Build new 35 mile 115 kV line from Petersburg to Madison	12/1/2011	6/1/2015
OKGE	ARCADIA (ARCADIA2) 345/138/13.8KV TRANSFORMER CKT 1 Accelerated	Add 3rd 345/138KV Auto and convert the 345kV and 138kV to a breaker and a half configuration.	8/1/2010	6/1/2013
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE		12/1/2010	6/1/2012
SPS	CHERRY6 230.00 - Harrington Station East Bus 230KV CKT 1	Replace wavetrap	6/1/2017	6/1/2017
SPS	Hitchland Interchange - Moore County Interchange 230 kV	Install 50 miles of 230 kv from Hitchland to Moore County Interchange	8/1/2010	8/1/2010
SPS	NORTHWEST INTERCHANGE - SUNSET SUB 115KV CKT 1	Replace Terminal Equipmen	6/1/2017	6/1/2017
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Tear down / Rebuild 7.3-mile Chase - White Junction 69 kV line Replace existing 2/0 copper conductor with 795 kcmil ACSR conductor.	8/1/2010	12/1/2012
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	8/1/2010	7/1/2011
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Add third 345-138 kV transformer at Rose Hill	8/1/2010	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.	8/1/2010	11/22/2010
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Replacing jumpers, switches, differentials, and breaker	12/1/2010	6/1/2012

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

Planned 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)
OPPD	SUB 1221 - SUB 1255 161KV CKT 1 #1	Replace terminal facilities so that the overall facility rating is 35: MVA.	6/1/2012	12/1/2012
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 Upgrade 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	Centerton - Osage Creek 345 kV	Install 32 miles of 345 kV line from East Rogers to Osage Creek.	6/1/2014	6/1/2016
AEPW	PRYOR JUNCTION (PRY-JCT1) 115/69/13.8KV TRANSFORMER CKT 1	Install 9 miles of 345 kV line from Shipe Road to East Rogers: Replace (3) 600 A switches with 1200 A switches replac	8/1/2010	2/1/2012
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 on breaker #6936 at Aurora Substation 124	6/1/2015	6/1/2015
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Add a second 50 MVA Transformer at Afton Substation	8/1/2010	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	8/1/2010	6/1/2011
MIDW	PAWNEE 115KV Capacitor	Install 5 MVAR capacitors at Pawnee 115 kV	8/1/2010	6/1/2011
MIDW	SPEARVILLE - WOLF 345 KV CKT 1 MIDW	Build new 345 kV line from Knoll to interception point of Spearville to Knoll line.	8/1/2010	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.	6/1/2013	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	6/1/2013	6/1/2013
MKEC	CLEARWATER - MILAN TAP 138KV CKT 1 MKEC	Rebuild MKEC portion of the Clearwater-Milan tap 115 kV	6/1/2019	6/1/2019
MKEC	HARPER - MILAN TAP 138KV CKT 1	Replace Wave Trap at Harper Substation	6/1/2019	6/1/2019
NPPD	BEATRICE - HARBINE 115KV CKT 1	Reconductor 10 miles and upgrade terminal equipment to effect higher rating	6/1/2019	6/1/2019
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.	6/1/2013	6/1/2013
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to 1590 ACSR and change terminal equipment at Ft. Smith & Colony to 2000A	6/1/2012	6/1/2013
OKGE	Tuco - Woodward 345 kV OKGE	Build new 345 kV line from Woodward EHV to Border	1/1/2014	6/1/2014
OKGE	TUCO - WOODWARD 345KV CKT 1	Build new 345 kV line from Woodward EHV to Tuco	6/1/2011	6/1/2014
OPPD	JUNCTION 205 - SUB 901 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating.	6/1/2014	6/1/2014
OPPD	JUNCTION 205 - SUB 910 69KV CKT 1	Increase line clearances to allow the use of a higher conductor rating.	6/1/2014	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.	6/1/2014	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	ANADARKO - POTTER 345KV CKT 1	Re-terminate T3 at Deaf Smith Interchange with new Spring Draw - Canyon West 115 kV line	6/1/2017	6/1/2017
SPS	CANYON WEST - SPRING DRAW 115 KV CKT 1	Reconductor 7.78 miles with 795 kcmil conducto	6/1/2017	6/1/2017
SPS	CHAVES COUNTY INTERCHANGE - SAMSON SUB 115KV CKT 1	Reconductor 3.70 miles with 795 kcmil conducto	6/1/2017	6/1/2017
SPS	CHAVES COUNTY INTERCHANGE - URTON SUB 115KV CKT 1	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	6/1/2018	6/1/2018
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	1/1/2014
SPS	HASTINGS 115 KV CONVERSION	Convert Hastings Sub to 115 kV	6/1/2012	6/1/2013
SPS	Hobbs - Midland 230 kV to 345 kV Conversion	Convert existing 89.22 mile Hobbs - Midland 230 kV line to operate at 345 kV. Install new 345/230 kV transformer rated 515/560 MVA at Hobbs Interchange.	12/1/2014	12/1/2014
SPS	JONES - TUCO 345KV CKT 1	add new 345 kV line Tuco - Jones Ckt 1 29.66 mile:	6/1/2018	6/1/2018
SPS	JONES STATION - GRASSLAND 230 KV CKT 1	Build new second Jones - Grassland 230 kV lin	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	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	1/1/2013
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 (Stateline) to Anadarko.	6/1/2017	6/1/2017
SPS	POTTER - STATELINE 345 KV CKT 1	Build new 345 kV line from Potter to Midpoint Bus (Stateline)	6/1/2017	6/1/2017
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	10/1/2013
SPS	Tuco - Woodward 345 kV SPS	Build new 345 kV line from Tuco to Border	1/1/2014	6/1/2014
SPS	TUCO INTERCHANGE 230/115KV TRANSFORMER CKT 3	add 3rd transformer at Tuco	6/1/2018	6/1/2018
SUNC	FLETCHER - HOLCOMB 115KV CKT 1	Rebuild 11.1 miles of the 18.3 mile Fletcher - Holcomb 115 kV line with 954 ACSR Cardinal	6/1/2015	6/1/2015
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Pymell	8/1/2010	10/31/2010
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Pymell to Pioneer Tap	8/1/2010	10/31/2010
SUNC	SPEARVILLE - WOLF 345 KV CKT 1 SUNC	Build new 345 kV line from Spearville to interception point of Spearville to Knoll line.	6/1/2013	6/1/2013

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

WERE	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	Add second Auburn 230-115 kV transformer	8/1/2010	6/1/2013
WERE	CLEARWATER - GILL ENERGY CENTER WEST 138KV CKT 1	Tear down and rebuild 7.88 mile Gill-Clearwate	6/1/2011	6/1/2011
WERE	CLEARWATER - MILAN TAP 138KV CKT 1 WERE	Rebuild Westar portion of the Clearwater-Milan tap 115 kV	6/1/2019	6/1/2019
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	8/1/2010	6/1/2012
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	8/1/2010	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.	8/1/2010	6/1/2013
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	6/1/2012	6/1/2012
WERE	GREENLEAF - KNOB HILL 115KV CKT 1 WERE	Rebuild 32.7% Ownership of 20.9 mile;	6/1/2013	6/1/2013
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, wavetraps and relays.	6/1/2015	6/1/2015
WFEC	EAGLE CHIEF CAPACITOR	Install 12 Mvar capacitor at Eagle Chief Southwest 69 kV bus.	6/1/2011	6/1/2011
WFEC	HAMMETT TAP - HAMMETT2 138KV CKT 1		8/1/2010	6/1/2011

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 Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BLUEBELL - PRATTVILLE 138KV CKT 1 AEPW	Rebuild 9 miles of 795 ACSR with 1590 ACSE	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
LEA	LEA COUNTY ERF PROJECT	Build new ERF 115 kV substation and install new 115/69 kV transformer	5/31/2012	6/1/2014
LEA	NEW-ERF3 115.00 115/69KV TRANSFORMER CKT 1	New substation and transformer 115/69 kV 44 MVF	5/31/2012	6/1/2012
MIDW	HEIZER - MULLERGREY 115 KV CKT 1 MIDW	Install 115 kV bay at Heizer and update relaying equipmer	8/1/2010	6/1/2011
MKEC	HEIZER - MULLERGREY 115 KV CKT 1 MKEC	Construct approximately one mile of 115-kV transmission line from the Great Bend (Mullergrey) generation station to Heizer Substation with 795 ACSR conductor	8/1/2010	6/1/2011
NPPD	CANADAY - LEXINGTON 115KV CKT 1	Increase clearances to 100 Deg C and upgrade termina equipment (PCB, DISC, WVTRP, CT, BUS) 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 Ogallala;	8/1/2010	6/1/2014
OKGE	ALVA - ALVA 69KV CKT 1	Increase 400 amp wave trap and CT	6/1/2015	6/1/2015
OKGE	BLUEBELL - PRATTVILLE 138KV CKT 1 OKGE	Replace 800A Wave Trap & Metering BCTs at OG&E Bluebell	6/1/2015	6/1/2015
OKGE	STATELINE - ANADARKO 345 KV CKT 1 OKGE	Build new 100 mile 345 kV line from OGE Anadarko to Oklahoma/Texas border towards SPS MIDPT_BUS	6/1/2017	6/1/2017
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	BOWERS INTERCHANGE 115/69KV TRANSFORMER CKT 2	Add second 115/69 kV transformer at Bowers Interchange;	6/1/2015	6/1/2015
SPS	BUSH SUB - HASTINGS 115 KV CKT 1	Build new Bush - Hastings 115 kV line 397 ACSF	6/1/2012	6/1/2014
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	CASTRO COUNTY INTERCHANGE - NEWHART 115 KV CKT 1	Build new 24 mile Castro County Interchange - Newhart 115 kV line	6/1/2014	6/1/2014
SPS	CHERRY SUB 230/115 KV TRANSFORMER CKT 1	Tap Harrington - Potter 230 kV to new 230 kV Cherry Sub and step down to 115 kV Cherry Sub.	6/1/2012	6/1/2014
SPS	EAST PLANT - HASTINGS 115 KV CKT 1	Build new East Plant - Hastings 115 kV line 397 ACSF	6/1/2012	6/1/2014
SPS	FARMERS ELECTRIC REC-CLOVIS - FRIODRW1 115.00 115KV CKT 1	Reconductor line	6/1/2013	6/1/2013
SPS	FRIO-DRAW - OASIS 230 KV CKT 1	Build new 16 mile Frio-Draw - Oasis 230kV lin	6/1/2012	6/1/2013
SPS	FRIO-DRAW - ROOSEVELT 230 KV CKT 1	Build new 26 mile Frio-Draw - Roosevelt County 230kV lin	6/1/2012	6/1/2013
SPS	FRIO-DRAW 230/115 KV TRANSFORMER CKT 1	New 230/115kV transformer at Frio-Draw substation	6/1/2012	6/1/2013
SPS	FRIO-DRAW 345/230 KV TRANSFORMER CKT 1	Build new Frio-Draw substation with 345/230 kV transforme	6/1/2013	6/1/2014
SPS	HART INDUSTRIAL - NEWHART 115 KV CKT 1	Build new 4 mile Hart Industrial Substation - Newhart Substation 115 kV line	6/1/2011	6/1/2013
SPS	KRESS - NEWHART 115 KV CKT 1	Build new Kress - Newhart 115 kV line	6/1/2011	6/1/2014
SPS	LAMTON INTERCHANGE - HART INDUSTRIAL 115 KV CKT 1	Build new 15 mile Lamton Interchange - Hart Industrial Substion 115 kV line	6/1/2011	6/1/2014
SPS	LEA COUNTY ERF 69 KV CAPACITOR	Install min. 2 blocks 7.2 Mvar a	5/31/2012	6/1/2014
SPS	LEA COUNTY REC-ANCELL - LEA COUNTY REC-GAINES 69 KV CKT 1	Build new 8.5 mile Lea County Ancell - Gaines 69kV line	5/31/2012	6/1/2014
SPS	LEA COUNTY REC-TP91 - LEA COUNTY REC-DARBY 69 KV CKT 1	Build new 9 mile Lea County TP-91 - Darby 69kV line	5/31/2012	6/1/2014
SPS	MIDLAND COUNTY INTERCHANGE 230/138KV TRANSFORMER CKT 1	Add 345/230 kV transformer at Hobbs Station, Change Midland transformer to 345/138 kV - 300 MVA, Convert existing 230 kV line from Hobbs to Midland to 345 kV operation, and add 2nd 230/138 kV 150 MVA transformer at Borden Interchange.	5/31/2012	6/1/2013
SPS	MULESHOE EAST 115 KV	Tap the Bailey County - Plant X 115 kV line with new Mulshoe East bus and move load from the Muleshoe Valley Sub 69 kV bus to the new 115 kV bus.	6/1/2015	6/1/2015
SPS	OCCOTILLO SUBSTATION CONVERSION	BUILD A 115 KV LINE FROM PECOS TO 7-RIVERS AT A LENGTH TO REACH JUST PAST OCCOTILLO SUBSTATION. TAP THE NEW LINE WITH THE NEW OCCOTILLO 115 KV BUS DELETE THE UN-NEEDED BRANCH FROM OCCOTILLO TO 7-RIVERS MOVE LOAD FROM THE 69 KV OCCOTILLO BUS TO THE 115 KV O	5/31/2012	6/1/2013
SPS	STATELINE - ANADARKO 345 KV CKT 1 SPS	Build new 10 mile 345 kV line from SPS MIDPT_BUS to Oklahoma/Texas border towards OGE Anadarko	6/1/2017	6/1/2017
SPS	SUNDOWN INTERCHANGE 230/115KV TRANSFORMER CKT 1	Replace transformer	6/1/2015	6/1/2015
SPS	SWISHER COUNTY INTERCHANGE - NEWHART 230 KV CKT 1	Build new 19 mile Swisher County Interchange - Newhart 230 kV line	6/1/2011	6/1/2014
SPS	SWISHER COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add second Swisher 230/115 kV transformer	1/1/2012	6/1/2013

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

Direct Assigned Network Upgrades - The requested service is contingent upon completion of the following upgrade

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
LPL	LUBBOCK POWER & LIGHT-HOLLY PLANT 230/69KV TRANSFORMER CKT 1	Upgrade trasformer	1/1/2012	6/1/2012	\$ 3,000,000
LPL	LUBBOCK POWER & LIGHT-SOUTHEAST 230/69KV TRANSFORMER CKT 1	Upgrade trasformer	1/1/2012	6/1/2012	\$ 3,000,000
SUNC	Cunningham Voltage Regulator	Replace existing voltage regulator with a 18 MVA rated voltage regulator	8/1/2010	6/1/2014	\$ 250,000
SUNC	Pratt 115/34.5kV Transformer	Install new 115/34.5 kV TXF rated at 25/30/37.5 MVA at Pratt 115 kV Substation to address 34.5kV distribution limitations to address 34.5kV distribution limitations	8/1/2010	6/1/2014	\$ 2,000,000
SUNC	Cunningham - Pratt 34.5kV CKT 1	Rebuild and reconductor 15 miles of 34.5-kV Line with T2 Raver (T2 4/0 ACSR) from Pratt to the Cunningham metering station to address 34.5kV distribution limitations	8/1/2010	6/1/2014	\$ 4,164,600
SUNC	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 to address 34.5kV distribution limitations. Assumes distribution class transformer will be installed by Network Customer.	8/1/2010	6/1/2014	\$ 8,000,000

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
EMDE	SUB 110 - OROGONO 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	KNOBHILL (KNOBHIL4) 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
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	6/1/2013	\$500,000.00
AECI	SARATOGA - SOUTHWEST CITY 69KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	ALPINE AECC - AMITY SS 115KV CKT 1	Indeterminate	1/1/2011	1/1/2011	Indeterminate
EES	ALPINE AECC - BISMARK 115KV CKT 1	Indeterminate	1/1/2011	1/1/2011	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	Indeterminate	6/1/2012	6/1/2012	Indeterminate
EES	BISMARK - HOT SPRINGS WEST BUS 115KV CKT 1	Indeterminate	1/1/2011	1/1/2011	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	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 EES	Indeterminate	12/1/2010	12/1/2010	Indeterminate
EES	DELL 161 - MANILLA AECC 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	EUREKA SPRINGS - OSAGE CREEK (AECC) 161KV CKT 1 EES	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	HARISBURG TAP - MARKED TREE 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	HERGETT - TRUMANN WEST AECC 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	JONESBORO - JONESBORO 161KV CKT 1 EES	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	MANILLA AECC - MONETTE JUNCTION 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	MARKED TREE - TWIST 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	MCADAMS 500/230KV TRANSFORMER CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	MONETTE JUNCTION - PARAGOULD 161 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
EES	NEWPORT - NEWPORT INDUSTRIAL 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	NEWPORT AB - NEWPORT INDUSTRIAL 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	PARAGOULD 161 - PARAGOULD SOUTH (AECC) 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	Indeterminate
EES	PARKIN - TWIST 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	Indeterminate
EES	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	Indeterminate
EES	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	12/1/2010	12/1/2010	Indeterminate
EES	TRUMANN - TRUMANN WEST AECC 161KV CKT 1	Indeterminate	8/1/2010	8/1/2010	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
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	Replace wave trap, disconnect switches, current transformers, and breaker. Bus will limit rating to 1340 amps.	12/1/2010	12/1/2010	Indeterminate
SWPA	XFR - Paragould 161/69 kV Auto 1 & 2	Replace Paragould auto transformers 1 and 2 with 70 MVA units.	8/1/2010	6/1/2012	Indeterminate