Aggregate Facility Study SPP-2007-AG2-AFS-7 For Transmission Service Requested by Aggregate Transmission Customers

SPP Engineering, SPP Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z1 of the Southwest Power Pool Open Access Transmission Tariff (OATT), 647 MW of long-term transmission service requests have been restudied in this Aggregate Facility Study (AFS). The first phase of the AFS consisted of a revision of the impact study to reflect the withdrawal of requests for which an Aggregate Facility Study Agreement was not executed. 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 $20 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 $ 32 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 $26 Million.

Third-party facilities must be upgraded when it is determined they are constrained in order to accommodate the requested Transmission Service. These include both first-tier neighboring facilities outside SPP and Transmission Owner facilities within SPP that are not under the SPP OATT. In this AFS, third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are indeterminate.

The Transmission Provider will tender a Letter of Intent on October 8th, 2008. 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 October 23rd, 2008, 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. In compliance with this Order, the second open season of 2007 commenced on February 1, 2007. All requests for long-term transmission service received prior to June 1, 2007 with a signed study agreement were then included in this second Aggregate Transmission Service Study (ATSS) of 2007.

Approximately 647 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over $20 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 7. 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 expedited, 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 expedited.

Achievable Base Plan Avoided Revenue Requirements in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.B methodology. A deferred Base Plan upgrade being defined as a different requested network upgrade needed at an earlier date that negates the need for the initial

base plan upgrade within the planning horizon. A displaced Base Plan upgrade being defined as the same network upgrade being displaced by a requested upgrade needed at an earlier date. Assumption of a 40 year service life is utilized for Base Plan funded projects unless provided otherwise by the Transmission Owner. A present worth analysis of revenue requirements on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan revenue requirements due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The difference in present worth between the Base Plan and Requested Upgrades is assigned to the transmission requests impacting this upgrade based on the displacement or deferral.

B. Third Party Facilities

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

All modeled facilities within the Transmission Provider system were monitored during the development of this Study as well as certain facilities in first-tier neighboring systems. Third-party facilities must be upgraded when it is determined that they are overloaded while accommodating the requested Transmission Service. An agreement between the Customer and 3rd Party Owner detailing the mitigation of the 3rd party impact must be provided to the Transmission Provider prior to tendering of a Transmission Service Agreement. These facilities

also include those owned by members of the Transmission Provider who have not placed their facilities under the Transmission Provider's OATT. Upgrades on the Southwest Power Administration network requires prepayment of the upgrade cost prior to construction of the upgrade.

Third-party facilities are evaluated for only those requests whose load sinks within the SPP footprint. The Customer must arrange for study of 3rd party facilities for load that sinks outside the SPP footprint with the applicable Transmission Providers.

3. Study Methodology

A. Description

The system impact 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 done 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 110% and 90%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. Transmission Owner voltage monitoring criteria is used if more restrictive. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations. The WERE Wolf Creek 345 kV bus voltage is monitored at 98.5% due to transmission operating procedure.

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

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier Non – SPP control area facilities, a 3 % TDF cutoff was applied to AECI, AMRN, and ENTR and a 2 % TDF cutoff was applied to MEC, NPPD, and OPPD. 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 eleven seasonal models to study the aggregate transfers of 647 MW over a variety of requested service periods. The SPP MDWG 2007 Series Cases Update 2 2008 April (08AP), 2008 Spring Peak (08G), 2008 Summer Peak (08SP), 2008 Summer Shoulder (08SH), 2008 Fall Peak (08FA), 2008/09 Winter Peak (08WP), 2009 Summer Peak (09SP), 2009/10 Winter Peak (09WP), 2012 Summer Peak (12SP), 2012/13 Winter Peak (12WP),and 2017 Summer Peak (17SP) 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 most current modeling information. Five groups of requests were developed from the aggregate of 647 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

eleven seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2007 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 2007 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 2007 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 2007 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 2007 Series Cases with ERCOTN North to South, ERCOTE East to West, SPS importing and SPS exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transmission Request Modeling

Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to Generation to Generation transfers. The Generation to Load modeling is accomplished by developing a pre-transfer case by redispatching the existing designated network resource(s) down by the new designated network resource request amount and scaling down the applicable network load by the same amount proportionally. The post-transfer case for comparison is developed by scaling the network load back to the forecasted amount and dispatching the new designated network resource being requested. Network Integration Transmission Service requests are modeled as Generation to Load transfers in addition to

Generation to Generation because the requested Network Integration Transmission Service is a request to serve network load with the new designated network resource and the impacts on transmission system are determined accordingly. If the Network Integration Transmission Service request application clearly documents that the existing designated network resource(s) is being replaced or undesignated by the new designated network resource then MW impact credits will be given to the request as is done for a redirect of existing transmission service. Point-To-Point Transmission Service requests are modeled as Generation to Generation transfers. Generation to Generation transfers are accomplished by developing a post-transfer case for comparison by dispatching the request source and redispatching the request sink.

D. Transfer Analysis

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

E. Curtailment and Redispatch Evaluation

During any period when SPP determines that a transmission constraint exists on the Transmission System, and such constraint may impair the reliability of the Transmission System, SPP will take whatever actions that are reasonably necessary to maintain the reliability of the Transmission System. To the extent SPP determines that the reliability of the Transmission System can be maintained by redispatching resources, SPP will evaluate interim curtailment of existing confirmed service or interim redispatch of units to provide service prior to completion of any assigned network upgrades. Any redispatch may not unduly discriminate between the Transmission Owners' use of the Transmission System on behalf of their Native Load Customers and any Transmission Customer's use of the Transmission System to serve its designated load.

Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned network upgrades. Curtailment of existing confirmed service is evaluated to provide only interim service. Curtailment of existing confirmed service is only evaluated at the request of the transmission customer.

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). Relief pairs from the generation shift factors for the incremental and decremental units with a greater than 3% TDF on the limiting constraint were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. If the aggregate redispatch amount for the potential relief pair was determined to be three times greater than the lower of the increment or decrement then the pair was determined not to be feasible and is not included. If transmission customer would like to see additional relief pairs beyond the relief pairs determined, the transmission customer can request SPP to provide the additional pairs. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the AFS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (based on customer selection of redispatch if available), the minimum annual allocated ATC without upgrades and season of first impact. Table 2 identifies total E & C cost allocated to each Transmission Customer, letter of credit requirements, third party E & C cost assignments, potential base plan E & C funding (lower of allocated E & C or Attachment J Section III B criteria) , total revenue requirements for assigned upgrades without consideration of potential base plan funding, point-to-point base rate charge, total revenue requirements for assigned upgrades with consideration of potential base plan funding, and final total cost allocation to the Transmission Customer. In addition, Table 2 identifies SWPA upgrade costs which require prepayment in addition to other allocated costs. Table 3 provides additional details for each request including all assigned facility upgrades required, allocated E & C costs, allocated revenue requirements for upgrades, upgrades not assigned to customer but required for service to be confirmed, credits to be paid for previously assigned AFS 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. If the 5 year term and 125% resource to load criteria are met, the lesser of the planned maximum net dependable capacity (NDC) or the requested capacity is multiplied by $180,000 to determine the potential base plan funding allowable. When calculating Base Plan Funding amounts that include a wind farm, the amount used is 10% of the requested amount of service, or the NDC. 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.

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

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

Example A:

E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 47 million with the difference of 27

million E & C assignable to the customer. If the revenue requirements for the assignable portion is 54 million and the PTP base rate is 101 million, the customer will pay the higher “OR” pricing of 101 million base rate of which 54 million revenue requirements will be paid back to the Transmission Owners for the upgrades and the remaining revenue requirements of (140-54) or 86 million will be paid by base plan funding.

Example B:

E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 10 million with the difference of 64 million E & C assignable to the customer. If the revenue requirements for this assignable portion is 128 million and the PTP base rate is 101 million the customer will pay the higher “OR” pricing of 128 million revenue requirements to be paid back to the Transmission Owners and the remaining revenue requirements of (140-128) or 12 million will be paid by base plan funding.

Example C:

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

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

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

B. Study Definitions

The Date Upgrade Needed Date (DUN) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated with out upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

5. Conclusion

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

The Transmission Provider will tender a Letter of Intent on October 8th, 2008. 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 October 23rd, 2008, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated Engineering and Construction costs assigned to the Customer. This letter of credit is not required for those facilities that are base plan funded. This amount is for all assignable Network Upgrades less pre-payment requirements. The amount of the letter of credit will be adjusted down on an annual basis to reflect amortization of these costs. The Transmission Provider will issue letters of authorization to construct facility upgrades to the constructing Transmission Owner. This date is determined by the engineering and construction lead time provided for each facility upgrade.

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 - X Phase shift adjustment
_ Flat start
_ Lock DC taps
_ Lock switched shunts

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

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) withing reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG2-2007-049	1283585	WFEC	CSWS	15	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	09SP
AEPM	AG2-2007-051	1283682	WFEC	CSWS	152	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	09SP
AEPM	AG2-2007-107	1286446	CSWS	CSWS	100	1/1/2009	1/1/2010	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	09SP
CWEP	AG2-2007-047	1283676	EES	SPA	12	6/1/2010	6/1/2040	6/1/2013	6/1/2043	6/1/2013	6/1/2043	0	12SP
KCPS	AG2-2007-109	1286498	KCPL	EES	82	1/1/2009	6/1/2010	1/1/2009	6/1/2010	1/1/2009	6/1/2010	0	N/A
KEPC	AG2-2007-028	1281648	WR	EDE	6	1/1/2008	1/1/2019	12/1/2008	12/1/2019	12/1/2008	12/1/2019	0	09SP
KPP	AG2-2007-072	1285893	WR	WR	8	11/1/2007	11/1/2017	6/1/2011	6/1/2021	12/1/2008	12/1/2018	0	09SP
MIDW	AG2-2007-012	1268955	WR	WR	5	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-013	1268959	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-014	1268965	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-034	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	12/1/2008	12/1/2027	0	09SP
MIDW	AG2-2007-069	1285864	WR	WR	4	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-069	1285865	WR	WR	3	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-069	1285866	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-069	1285867	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-070	1285869	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-071	1285872	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-071	1285873	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-078	1285946	WR	WR	3	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-078	1285947	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-078	1285948	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-079	1285949	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-079	1285950	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-080	1285951	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-080	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	12/1/2008	12/1/2013	0	09SP
MIDW	AG2-2007-080	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	12/1/2008	12/1/2013	0	09SP
SPRM	AG2-2007-110	1286502	WR	SPA	25	12/1/2008	12/1/2028	6/1/2010	6/1/2030	6/1/2010	6/1/2030	0	09SP
WFEC	AG2-2007-016	1278401	WFEC	WFEC	19	12/15/2007	12/15/2032	6/1/2011	6/1/2036	6/1/2011	6/1/2036	0	09SP
WRGS	AG2-2007-011D	1268638	KCPL	AMRN	20	6/1/2010	6/1/2015	6/1/2010	6/1/2015	6/1/2010	6/1/2015	0	12SP
WRGS	AG2-2007-017D	1278809	EES	SPA	20	3/1/2010	3/1/2040	6/1/2011	6/1/2041	6/1/2011	6/1/2041	0	12SP
WRGS	AG2-2007-018D	1278811	EES	SPA	20	3/1/2010	3/1/2040	3/1/2010	3/1/2040	3/1/2010	3/1/2040	0	12SP
WRGS	AG2-2007-019D	1278813	EES	SPA	7	3/1/2010	3/1/2040	3/1/2010	3/1/2040	3/1/2010	3/1/2040	0	12SP
WRGS	AG2-2007-092D	1286201	SECI	WR	99	3/1/2009	3/1/2019	6/1/2011	6/1/2021	6/1/2011	6/1/2021	0	09SP
					647								

Note 1: Disregard Redispatch shown in Table 6 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2008 Summer Shoulder, and 2008 Fall Peak
Note 2: Start and Stop Dates with interim redispatch are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.

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	1Letter of Credit Amount Required	2Potential Base Plan Engineering and Construction Funding Allowable	Notes	4Additional 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	4Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding	6SWPA Upgrade Cost Prepayment
AEPM	AG2-2007-049	1283585	$ 1,742,329	$ 1,465,148	$ 270,000		$ -	$ 3,454,409	$ 2,919,097	$ -	$ 2,919,097	$ -
AEPM	AG2-2007-051	1283682	$ 86,175	$ -	$ 86,175		$ -	$ 152,030	$ -	$ -	Schedule 9 Charges	$ -
AEPM	AG2-2007-107	1286446	$ 55,328	$ -	$ -		$ -	$ 83,201	$ 83,201	$ -	$ 83,201	$ -
CWEP	AG2-2007-047	1283676	$ -	$ -	$ -		$ -	$ -	$ -	$ 3,888,000	$ 3,888,000	$ -
KCPS	AG2-2007-109	1286498	$ -	$ -	$ -		$ -	$ -	$ -	$ 1,254,600	$ 1,254,600	$ -
KEPC	AG2-2007-028	1281648	$ -	$ -	$ -		Indeterminate	$ -	$ -	$ -	Schedule 9 Charges	$ -
KPP	AG2-2007-072	1285893	$ -	$ -	$ -		Indeterminate	$ -	$ -	$ -	Schedule 9 Charges	$ -
MIDW	AG2-2007-012	1268955	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 472,500	$ 472,500	$ -
MIDW	AG2-2007-013	1268959	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
MIDW	AG2-2007-014	1268965	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
MIDW	AG2-2007-034	1281706	$ -	$ -	$ -		Indeterminate	$ -	$ -	$ -	Schedule 9 Charges	$ -
MIDW	AG2-2007-069	1285864	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 378,000	$ 378,000	$ -
MIDW	AG2-2007-069	1285865	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 283,500	$ 283,500	$ -
MIDW	AG2-2007-069	1285866	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-069	1285867	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
MIDW	AG2-2007-070	1285869	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-071	1285872	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-071	1285873	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-078	1285946	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 283,500	$ 283,500	$ -
MIDW	AG2-2007-078	1285947	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-078	1285948	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
MIDW	AG2-2007-079	1285949	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-079	1285950	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
MIDW	AG2-2007-080	1285951	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-080	1285952	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 189,000	$ 189,000	$ -
MIDW	AG2-2007-080	1285953	$ -	$ -	$ -	7	Indeterminate	$ -	$ -	$ 94,500	$ 94,500	$ -
SPRM	AG2-2007-110	1286502	$ -	$ -	$ -		Indeterminate	$ -	$ -	$ -	Schedule 9 Charges	$ -
WFEC	AG2-2007-016	1278401	$ 2,766,169	$ -	$ 342,000		$ -	$ 8,068,007	$ 7,070,505	$ -	$ 7,070,505	$ -
WRGS	AG2-2007-011D	1268638	$ -	$ -	$ -		$ -	$ -	$ -	$ 1,080,000	$ 1,080,000	$ -
WRGS	AG2-2007-017D	1278809	$ 6,700,000	$ -	$ -	6	Indeterminate	$ -	$ -	$ 6,480,000	$ 13,180,000	$ 6,700,000
WRGS	AG2-2007-018D	1278811	$ 1,165,527	$ -	$ -	6	Indeterminate	$ -	$ -	$ 6,480,000	$ 7,645,527	$ 1,165,527
WRGS	AG2-2007-019D	1278813	$ 334,473	$ -	$ -	6	Indeterminate	$ -	$ -	$ 2,268,000	$ 2,602,473	$ 334,473
WRGS	AG2-2007-092D	1286201	$ 8,500,000	$ 6,718,000	$ 1,782,000		$ -	$ 20,418,672	$ 16,137,957	$ -	$ 16,137,957	$ -
Grand Total			$ 19,950,001					$ 32,176,319	$ 26,210,760			

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

Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C allocation of expedited projects. Letter of Credit is not required for base plan funded upgrades. The Letter Of Credit Amount listed is based on meeting OATT Attachment J requirements for base plan funding.

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

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

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

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

Note 6: SWPA upgrade prepayments are required in addition to Total Cost of Reservation.
Note 7: Base Plan Funding is indeterminate due to lack of information

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

Customer	Study Number
AEPM	AG2-2007-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1283585	WFEC	CSWS	15	6/1/2008	6/1/2013	6/1/2011	6/1/2016	$ 270,000	$ -	$ 1,865,689	$ 3,454,409
									$ 270,000	$ -	$ 1,865,689	$ 3,454,409

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283585	CLARENCE - MONTGOMERY 230KV CKT 1 CELE	6/1/2009	6/1/2011		No	$ 123,360	$ 2,200,000	$ -
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2010	4/1/2010	Yes	$ 8,498	$ 150,000	$ 14,992
	FT SUPPLY - WOODWARD 69KV CKT 1	12/1/2008	6/1/2011		Yes	$ 1,733,831	$ 4,500,000	$ 3,439,417
					Total	$ 1,865,689	$ 6,850,000	$ 3,454,409

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
1283585	ALVA - KNOBHILL 69KV CKT 1	6/1/2010	6/1/2010		
	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	6/1/2013	6/1/2013		
	FLINT CREEK - EAST CENTERTON 161KV CKT 1	6/1/2013	6/1/2013		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		
	SUB 438 - RIVERSIDE 161KV	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
1283585	BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1	6/1/2013	6/1/2013		
	MOORELAND - MOREWOOD SW 138KV CKT 1	12/1/2008	6/1/2010		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
1283585	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	12/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	12/1/2008	1/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	12/1/2008	1/1/2009		Yes

Planned 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
1283585	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2013	6/1/2013		
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2	12/1/2012	12/1/2012		

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
1283585	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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

Customer	Study Number
AEPM	AG2-2007-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1283682	WFEC	CSWS	152	6/1/2008	6/1/2013	6/1/2011	6/1/2016	$ 86,175	$ -	$ 1,265,611	$ 152,030
									$ 86,175	$ -	$ 1,265,611	$ 152,030

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283682	CLARENCE - MONTGOMERY 230KV CKT 1 CELE	6/1/2009	6/1/2011		No	$ 1,179,436	$ 2,200,000	$ -
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2010	4/1/2010	Yes	$ 86,175	$ 150,000	$ 152,030
					Total	$ 1,265,611	$ 2,350,000	$ 152,030

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
1283682	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	6/1/2013	6/1/2013		
	FLINT CREEK - EAST CENTERTON 161KV CKT 1	6/1/2013	6/1/2013		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		
	SUB 438 - RIVERSIDE 161KV	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
1283682	BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1	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
1283682	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	12/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	12/1/2008	1/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	12/1/2008	1/1/2009		Yes

Planned 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
1283682	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2013	6/1/2013		
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2	12/1/2012	12/1/2012		

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

Customer	Study Number
AEPM	AG2-2007-107

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	1286446	CSWS	CSWS	100	1/1/2009	1/1/2010	6/1/2011	6/1/2012	$ -	$ -	$ 952,532	$ 83,201
									$ -	$ -	$ 952,532	$ 83,201

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286446	CLARENCE - MONTGOMERY 230KV CKT 1 CELE	6/1/2009	6/1/2011		No	$ 897,204	$ 2,200,000	$ -
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2010	4/1/2010	Yes	$ 55,328	$ 150,000	$ 83,201
					Total	$ 952,532	$ 2,350,000	$ 83,201

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
1286446	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		

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
1286446	GLASSES - RUSSETT 138KV CKT 1	6/1/2010	6/1/2011		
	MOORELAND - MOREWOOD SW 138KV CKT 1	12/1/2008	6/1/2010		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
1286446	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2011		Yes
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	12/1/2008	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2010	6/1/2010		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2011		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	12/1/2008	1/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	12/1/2008	1/1/2009		

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

Customer	Study Number
CWEP	AG2-2007-047

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CWEP	1283676	EES	SPA	12	6/1/2010	6/1/2040	6/1/2013	6/1/2043	$ -	$ 3,888,000	$ -	$ -
									$ -	$ 3,888,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283676	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
1283676	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2010	6/1/2010		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2010	6/1/2010		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	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
1283676	DARDANELLE - DARDANELLE 161KV CKT 1	6/1/2010	6/1/2010		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	6/1/2012	6/1/2013		
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69kV TRANSFORMER CKT 1	6/1/2012	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
1283676	5CALCR - NORFORK 161KV CKT 1 SWPA	6/1/2010	6/1/2010		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2010	6/1/2011		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2010	6/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2	6/1/2010	6/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2010	6/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2010	6/1/2010		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2014	6/1/2014	6/1/2009	

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

Customer	Study Number
KCPS	AG2-2007-109

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1286498	KCPL	EES	82	1/1/2009	6/1/2010			$ -	$ 1,254,600	$ -	$ -
									$ -	$ 1,254,600	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286498	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286498	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		

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

Customer	Study Number
KEPC	AG2-2007-028

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
KEPC	1281648	WR	EDE	6	1/1/2008	1/1/2019	12/1/2008	12/1/2019	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1281648	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
1281648	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	6/1/2017	6/1/2017		
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN 115KV Capacitor #1	6/1/2016	6/1/2016		
	SUB 438 - RIVERSIDE 161KV	6/1/2013	6/1/2013		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		

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
1281648	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	6/1/2017	6/1/2017		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	6/1/2012	6/1/2013		
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1	6/1/2012	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1281648	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2014	6/1/2014	6/1/2009	
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	12/1/2008	4/1/2009		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281648	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1281648	5ST JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			$ -	$ -
	CLINTON - HOLDEN 161KV CKT 1	6/1/2013	6/1/2013			$ -	$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			$ -	$ -
					Total	$ -	$ -

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

Customer KPP
Study Number AG2-2007-072

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	1285893	WR	WR	8	11/1/2007	11/1/2017	6/1/2011	6/1/2021	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285893	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
1285893	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		Yes
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285893	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	6/1/2017	6/1/2017		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285893	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	6/1/2016	6/1/2016		
	CRESWELL - OAK 69KV CKT 1 #1 Displacement	6/1/2013	6/1/2013		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2017	6/1/2017	6/1/2009	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285893	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285893	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-012

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
MIDW	1268955	WR	WR	5	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 472,500	$ -	$ -
									$ -	$ 472,500	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268955	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
1268955	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PHILLIPSBURG - RHOADES 115 kV	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1268955	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1268955	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1268955	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1268955	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-013

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
MIDW	1268959	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 94,500	$ -	$ -
									$ -	$ 94,500	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268959	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
1268959	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1268959	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1268959	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1268959	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1268959	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-014

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
MIDW	1268965	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 94,500	$ -	$ -
									$ -	$ 94,500	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268965	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
1268965	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1268965	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1268965	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1268965	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1268965	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1281706	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
1281706	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		Yes
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	ST JOHN 115KV Capacitor #1	6/1/2016	6/1/2016		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1281706	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2016	6/1/2016		
	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	6/1/2017	6/1/2017		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2016	6/1/2016		
	LYONS - WHEATLAND 115KV CKT 1 MIDW	6/1/2017	6/1/2017		
	LYONS - WHEATLAND 115KV CKT 1 WERE	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	12/1/2008	12/1/2008	10/1/2008	

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
1281706	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1281706	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1281706	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-069

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	1285864	WR	WR	4	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 378,000	$ -	$ -
MIDW	1285865	WR	WR	3	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 283,500	$ -	$ -
MIDW	1285866	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
MIDW	1285867	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 94,500	$ -	$ -
									$ -	$ 945,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285864	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285865	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285866	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285867	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
1285864	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PHILLIPSBURG - RHOADES 115 kV	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285865	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PHILLIPSBURG - RHOADES 115 kV	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285866	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PHILLIPSBURG - RHOADES 115 kV	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285867	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PHILLIPSBURG - RHOADES 115 kV	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285864	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285865	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285866	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

1285867	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285864	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285865	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285866	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285867	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285864	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285865	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285866	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285867	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285864	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285865	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285866	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285867	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-070

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	1285869	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
									$ -	$ 189,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285869	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
1285869	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285869	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285869	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285869	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285869	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-071

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	1285872	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
MIDW	1285873	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
									$ -	$ 378,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285872	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285873	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
1285872	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285873	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285872	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285873	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285872	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285873	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285872	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285873	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285872	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285873	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-078

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	1285946	WR	WR	3	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 283,500	$ -	$ -
MIDW	1285947	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
MIDW	1285948	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 94,500	$ -	$ -
									$ -	$ 567,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285946	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285947	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285948	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
1285946	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285947	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285948	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285946	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285947	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285948	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285946	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285947	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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

1285948	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285946	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285947	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285948	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285946	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285947	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285948	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-079

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	1285949	WR	WR	2	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 189,000	$ -	$ -
MIDW	1285950	WR	WR	1	6/1/2008	6/1/2013	12/1/2009	12/1/2014	$ -	$ 94,500	$ -	$ -
									$ -	$ 283,500	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285949	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285950	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
1285949	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285950	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285949	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
1285950	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	12/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	12/1/2008	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1285949	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285950	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285949	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285950	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285949	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285950	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
MIDW	AG2-2007-080

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	1285951	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	$ -	$ 189,000	$ -	$ -
MIDW	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	$ -	$ 189,000	$ -	$ -
MIDW	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	$ -	$ 94,500	$ -	$ -
									$ -	$ 472,500	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285951	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285952	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -
1285953	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
1285951	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285952	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		Yes
1285953	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2011	6/1/2011		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		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
1285951	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	LYONS - WHEATLAND 115KV CKT 1 WERE	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	12/1/2008	12/1/2008	10/1/2008	
1285952	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	LYONS - WHEATLAND 115KV CKT 1 WERE	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	12/1/2008	12/1/2008	10/1/2008	
1285953	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2012	6/1/2012		
	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2012	6/1/2012		
	LYONS - WHEATLAND 115KV CKT 1 WERE	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	12/1/2008	12/1/2008	10/1/2008	

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
1285951	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285952	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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

1285953	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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
1285951	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285952	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		
1285953	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1285951	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285952	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
1285953	GENTLMREDWIL	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
SPRM	AG2-2007-110

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
SPRM	1286502	WR	SPA	25	12/1/2008	12/1/2028	6/1/2010	6/1/2030	$ -	$ -	$ -	$ -
									$ -	$ -	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286502	None					$ -	$ -	$ -
					Total	SUM(xlUp)	SUM(xlUp)	SUM(xlUp)

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
1286502	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2009		
	JAMES RIVER - TWIN OAKS 69KV CKT 1	6/1/2015	6/1/2015		
	KICKAPOO - SUNSET 69KV CKT 1	6/1/2015	6/1/2015		
	NEERGARD - NORTON 69KV CKT 1	6/1/2009	6/1/2010		
	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2009	6/1/2009		
	SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SUB 383 - MONETT - SUB 376 - MONETT CITY SOUTH 161/69/12.5KV TRANSFORMER CKT 1	6/1/2017	6/1/2017		
	SUB 438 - RIVERSIDE 161KV	6/1/2013	6/1/2013		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		

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
1286502	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	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
1286502	BROOKLINE - JUNCTION 161KV CKT 1	6/1/2013	6/1/2013		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2014	6/1/2014	6/1/2009	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286502	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286502	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009	6/1/2009		$ -	$ -
	5CLINTN - CLINTON WEST (AECC) 161KV CKT 1	6/1/2010	6/1/2010	6/1/2010		$ -	$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008	6/1/2008		$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
WFEC	AG2-2007-016

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
WFEC	1278401	WFEC	WFEC	19	12/15/2007	12/15/2032	6/1/2011	6/1/2036	$ 342,000	$ -	$ 2,766,169	$ 8,068,007
									$ 342,000	$ -	$ 2,766,169	$ 8,068,007

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278401	FT SUPPLY - WOODWARD 69KV CKT 1	12/1/2008	6/1/2011			$ 2,766,169	$ 4,500,000	$ 8,068,007
					Total	$ 2,766,169	$ 4,500,000	$ 8,068,007

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
1278401	ACME - WEST NORMAN 69KV CKT 1	12/1/2008	6/1/2009		
	ANADARKO - CYRIL 69KV CKT 1	12/1/2008	6/1/2009		
	BROWN - EXPLORER TAP 138KV CKT 1	6/1/2013	6/1/2013		
	BROWN TAP - EXPLORER TAP 138KV CKT 1	6/1/2013	6/1/2013		
	Norman Area Voltage Conversion	6/1/2010	6/1/2010		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2013	6/1/2013		
	RUSSETT - RUSSETT 138KV CKT 1 WFEC	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
1278401	GLASSES - RUSSETT 138KV CKT 1	6/1/2010	6/1/2011		
	MOORELAND - MOREWOOD SW 138KV CKT 1	12/1/2008	6/1/2010		

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

Customer	Study Number
WRGS	AG2-2007-011D

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
WRGS	1268638	KCPL	AMRN	20	6/1/2010	6/1/2015			$ -	$ 1,080,000	$ -	$ -
									$ -	$ 1,080,000	$ -	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268638	None					$ -	$ -	$ -
					Total	$ -	$ -	$ -

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1268638	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2010	6/1/2012		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2012	6/1/2012		
	GRANDVIEW EAST - SAMPSON 161KV CKT 1 # 1	6/1/2012	6/1/2012		
	LONGVIEW - SAMPSON 161KV CKT 1 # 1	6/1/2012	6/1/2012		

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

Customer	Study Number
WRGS	AG2-2007-017D

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
WRGS	1278809	EES	SPA	20	3/1/2010	3/1/2040	6/1/2011	6/1/2041	$ -	$ 6,480,000	$ 6,700,000	$ -
									$ -	$ 6,480,000	$ 6,700,000	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278809	5ASHRVL - IDALIA 161KV CKT 1	3/1/2010	6/1/2011			$ 3,400,000	$ 3,400,000	$ -
	5ASHRVL - POPLAR BLUFF 161KV CKT 1	3/1/2010	6/1/2011			$ 1,800,000	$ 1,800,000	$ -
	5TRUM-W# - HERGETT 161KV CKT 1	6/1/2013	6/1/2013			$ -	$ -	$ -
	POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1	3/1/2010	6/1/2010			$ 1,500,000	$ 1,500,000	$ -
					Total	$ 6,700,000	$ 6,700,000	$ -

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
1278809	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2013	6/1/2013		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278809	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	3/1/2010	6/1/2010			$ -	$ -
					Total	$ -	$ -

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

Customer WRGS
Study Number AG2-2007-018D

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
WRGS	1278811	EES	SPA	20	3/1/2010	3/1/2040			$ -	$ 6,480,000	$ 1,165,527	$ -
									$ -	$ 6,480,000	$ 1,165,527	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278811	5TRUM-W# - HERGETT 161KV CKT 1	6/1/2013	6/1/2013			$ -	$ -	$ -
	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			$ 1,165,527	$ 1,500,000	$ -
					Total	$ 1,165,527	$ 1,500,000	$ -

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
1278811	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2013	6/1/2013		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278811	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	3/1/2010	6/1/2010			$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
WRGS	AG2-2007-019D

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
WRGS	1278813	EES	SPA	7	3/1/2010	3/1/2040			$ -	$ 2,268,000	$ 334,473	$ -
									$ -	$ 2,268,000	$ 334,473	$ -

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278813	5TRUM-W# - HERGETT 161KV CKT 1	6/1/2013	6/1/2013			$ -	$ -	$ -
	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			$ 334,473	$ 1,500,000	$ -
					Total	$ 334,473	$ 1,500,000	$ -

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
1278813	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2013	6/1/2013		

Third Party Limitations.

Reservation	Upgrade Name	DUN	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278813	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	3/1/2010	6/1/2010			$ -	$ -
					Total	$ -	$ -

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

Customer	Study Number
WRGS	AG2-2007-092D

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
WRGS	1286201	SECI	WR	99	3/1/2009	3/1/2019	6/1/2011	6/1/2021	$ 1,782,000	$ -	$ 8,500,000	$ 20,418,672
									$ 1,782,000	$ -	$ 8,500,000	$ 20,418,672

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286201	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			$ 8,500,000	$ 8,500,000	$ 20,418,672
					Total	$ 8,500,000	$ 8,500,000	$ 20,418,672

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
1286201	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	12/1/2008	6/1/2011		
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	HARPER 138KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2009	12/1/2009	10/1/2009	
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2009	12/1/2009	10/1/2009	
	PRATT 115KV Capacitor	12/1/2008	6/1/2009	10/1/2008	
	ST JOHN 115KV Capacitor #1	6/1/2016	6/1/2016		
	Summit - NE Saline 115 kV	12/1/2008	12/1/2009		

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
1286201	CENTENNIAL - COWSKIN 138KV CKT 1	6/1/2016	6/1/2016		
	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	6/1/2017	6/1/2017		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2016	6/1/2016		
	SEVENTEENTH () 138/69/11.295KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	DUN	EOC	Earliest Service Date	Redispatch Available
1286201	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2010	6/1/2010		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2013	6/1/2013		
	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	6/1/2011	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2011	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	6/1/2010	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		

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
1286201	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	12/1/2008	12/1/2008		
	RENO 345/115KV CKT 2	12/1/2009	12/1/2009		
	SUMMIT - RENO 345KV	12/1/2009	12/1/2009		
	WICHITA - RENO 345KV	12/1/2008	12/1/2008		

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	DIANA - LONE STAR SOUTH 138KV CKT 1	Replace switches and reset CT	12/1/2009	6/1/2010	$ 150,000
CELE	CLARENCE - MONTGOMERY 230KV CKT 1 CELE	Bundle Clarence to Montgomery 230 kV	6/1/2009	6/1/2011	$ 2,200,000
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kV line to 345kV	6/1/2012	6/1/2012	$ 8,500,000
SWPA	5ASHRVL - IDALIA 161KV CKT 1	Reconductor line with ACCC conducto	3/1/2010	6/1/2011	$ 3,400,000
SWPA	5ASHRVL - POPLAR BLUFF 161KV CKT 1	Reconductor line with ACCC conducto	3/1/2010	6/1/2011	$ 1,800,000
SWPA	5TRUM-W# - HERGETT 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	$ -
SWPA	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	Replace transformer	6/1/2013	6/1/2013	$ 1,500,000
SWPA	POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1	Replace Poplar Bluff Xfmr 2	3/1/2010	6/1/2010	$ 1,500,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSR	12/1/2008	6/1/2011	$ 4,500,000

Construction Pending 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	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	6/1/2009	6/1/2011
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	12/1/2008	6/1/2009
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR	6/1/2009	6/1/2011
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2	Replace Jumpers @ N. Magazine	6/1/2010	6/1/2010
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2010	6/1/2010
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	12/1/2008	1/1/2009
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	Replace Auto, two 138 kV breakers and five 138 kV switches. Reset relays and CTs	12/1/2008	1/1/2009
EMDE	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	Change CT setting on Breaker #6973 at Baxter #271	12/1/2008	4/1/2009
KACP	MARTIN CITY - REDEL 161KV CKT 1	reconductor 1192 acss upgrade terminal equip 2000 amp	6/1/2009	6/1/2011
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Replace Jumpers @ N. Magazine	6/1/2010	6/1/2010
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Replace Jumpers @ N. Magazine	6/1/2010	6/1/2010
SPRM	BROOKLINE - JUNCTION 161KV CKT 1	Brookline: Replace 1,200 amp switches with 2,000 amp units and replace metering CTs. Junction: Replace 1,200 amp switches with 2,000 amp units.	6/1/2013	6/1/2013
SPRM	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1: Reconductor 161kV Line 1192 MCM AAC to 954 kcmil ACSS/TW 0.67 miles and Upgrade Teminal Equipment	6/1/2014	6/1/2014
SWPA	5CALCR - NORFORK 161KV CKT 1 SWPA	Replace buswork within bay and change metering CT ratio replace wavetraps. Entergy must also reconductor their line to increase the rating.	6/1/2010	6/1/2010
SWPA	CLARKSVILLE - DARDANELLE 161KV CKT 1	Reconductor Clarksville-Dardanelle line	6/1/2010	6/1/2011
WERE	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	Replace Disconnect Switches and Bus Jumpers at Paris and Ark City 69 kV substations	6/1/2016	6/1/2016
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	Replace Terminal Equipment	6/1/2010	6/1/2010
WERE	CRESWELL - OAK 69KV CKT 1 #1 Displacement	Replace jumpers and bus, and reset CTs and relaying Rebuild substations.	6/1/2013	6/1/2013
WERE	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	Uprate JEC- E.Manhattan 230 kV line to 100 deg C operation by raising structures	6/1/2013	6/1/2013
WERE	EAST MANHATTAN - NW MANHATTAN 230/115KV Displacement	Tap the Concordia - East Manhattan 230kV line and add a new substation"NW Manhattan"; Add a 230kV/115kV transformer and tap the KSU - Wildcat 115kV line into NW Manhattan	6/1/2011	6/1/2011
WERE	East Manhattan to Mcdowell 230 kV Displacement	The East Manhattan-McDowell 115 kV is built as a 230 kV line, but is operated at 115 kV. Substation work will have to be performed in order to convert this line.	6/1/2011	6/1/2011
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement	Replace Disconnect Switches, Wavetrap, Breaker, Jumpers	6/1/2010	6/1/2010
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	Replace bus and Jumpers at NE Parsons 138 kV substation	6/1/2017	6/1/2017
WERE	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	Convert 161 kV Line to 115 kV Operation	6/1/2009	6/1/2009
WERE	WICHITA - RENO 345KV	40 mile 345 kV transmission line from existing Wichita 345 kV substation to a new 345-115 kV substation in Reno County east northeast of Hutchinson (Wichita to Reno)	12/1/2008	12/1/2008
WERE	WICHITA - RENO 345KV	Build 345kV from Wichita to Reno Co	12/1/2008	12/1/2008

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)
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	used the IEEE Guide for Loading of Mineral-Oil Immersec Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	6/1/2013	6/1/2013
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	used the IEEE Guide for Loading of Mineral-Oil Immersec Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	6/1/2013	6/1/2013
AEPW	LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2	Using IEEE Guide for Loading of Mineral-Oil Immersec Power Transformers (C57.91-2000) Re-rate the autos.	12/1/2012	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	CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1	Rebuild / reconductor 10.24 miles of line with 2156 ACSR.	6/1/2013	6/1/2013
AEPW	FLINT CREEK - EAST CENTERTON 161KV CKT 1	Reconductor Flint Creek-East Centerton 161 kV with 2156 conductor	6/1/2013	6/1/2013
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 2-795 ACSR. Double Circuit the line and add terminal @ SW Shreveport to eliminate three terminal line.	6/1/2009	6/1/2009
EMDE	SUB 383 - MONETT - SUB 376 - MONETT CITY SOUTH 161/69/12.5KV TRANSFORMER CKT 1	Install new line from Sub #383 to new Sub MONETT 5. Insta 3-wind transformer from 161 kV new bus to Monett city south 69kV	6/1/2017	6/1/2017
EMDE	SUB 438 - RIVERSIDE 161KV	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 547497	6/1/2013	6/1/2013
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR	6/1/2009	6/1/2009
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit	6/1/2010	6/1/2010
MIDW	ST_JOHN 115KV Capacitor #1	Install 20 MVAR Capacitor	6/1/2016	6/1/2016
MKEC	HARPER 138KV Capacitor	Install 1 - 20 MVar capacitor bank	12/1/2008	6/1/2009
MKEC	PHILLIPSBURG - RHOADES 115 kV	Install 35 miles 115 kV from Phillipsburgsubstion to Rhoades	12/1/2008	6/1/2009
MKEC	PRATT 115KV Capacitor	Install (2) 12 Mvar cap banks at Pratt 115kV	12/1/2008	6/1/2009
OKGE	ALVA - KNOBHILL 69KV CKT 1	Replace bus differential relaying and increase CTR to 600A.	6/1/2010	6/1/2010
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A	6/1/2010	6/1/2010
OKGE	BROWN - EXPLORER TAP 138KV CKT 1	Replace .09 miles of 267AS33 with 795AS33 conductor	6/1/2013	6/1/2013
OKGE	BROWN TAP - EXPLORER TAP 138KV CKT 1	Reconductor .27 miles of line to 795AS33	6/1/2013	6/1/2013
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	6/1/2013	6/1/2013
SPRM	JAMES RIVER - TWIN OAKS 69KV CKT 1	Reconductor 69kV Line 636 MCM ACSR to 762.8 kcmil ACSS/TW 3.103 miles.	6/1/2015	6/1/2015
SPRM	KICKAPOO - SUNSET 69KV CKT 1	Reconductor 69kV Line 636 MCM ACSR to 762.8 kcmil ACSS/TW 1.35 miles.	6/1/2015	6/1/2015
SPRM	NEERGARD - NORTON 69KV CKT 1	Transfer load & Reconductor 336.4 kcmil ACSR with 477 ACSS/TW	6/1/2009	6/1/2010
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Plymel	6/1/2009	12/1/2009
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Plymell to Pioneer Tap	6/1/2009	12/1/2009
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard	6/1/2010	6/1/2010
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Indeterminate	6/1/2013	6/1/2013
SWPA	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	Replace with 70MVA transformer.	6/1/2009	6/1/2009
SWPA	SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1	Replace Springfield Xfmr 3	6/1/2010	6/1/2010
SWPA	SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1	Replace Springfield Xfmr 3	6/1/2010	6/1/2010
WERE	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	Add second Auburn 230-115 kV transformer	6/1/2016	6/1/2016
WERE	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	Rebuild Line	12/1/2008	6/1/2011
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	6/1/2011	6/1/2011
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2016	6/1/2016
WERE	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	Rebuild 5.49 miles	6/1/2017	6/1/2017
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	6/1/2011	6/1/2011
WERE	Summit - NE Saline 115 kV	Build 6.5-mile Summit-Southgate 115 kV, 1192.5 kcmil ACSR Tear down Northview-South Gate 115 kV	12/1/2008	12/1/2009
WFEC	ACME - WEST NORMAN 69KV CKT 1	Reconductor 4 miles from 4/0 to 795 ACSR	12/1/2008	6/1/2009
WFEC	ANADARKO - CYRIL 69KV CKT 1	UPGRADE TO 795 ACSR FROM ANADARKO SW TO CYRIL , Anadarko-Cyril 12.9	12/1/2008	6/1/2009
WFEC	Norman Area Voltage Conversion	Convert Canadian - OU - Cole - Criner to 138 KV and Canadian-Goldsby-OU-W Norman-Acme-Franklin	6/1/2010	6/1/2010
WFEC	RUSSETT - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equip CTs at Russet	6/1/2013	6/1/2013

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (DUN)	Estimated Date of Upgrade Completion (EOC)
AEPW	BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1	Replace switches and sub conducto	6/1/2013	6/1/2013
EMDE	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	Install new line from Sub #439 to new Sub Joplin 59	6/1/2012	6/1/2013
EMDE	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69kV TRANSFORMER CKT 1	Install 3-wind transformer from 161 kV Joplin 59 bus to Sub #59 Joplin 26th St.	6/1/2012	6/1/2013
KACP	REDEL - STILWELL 161KV CKT 1	Reconductor line with 1192 ACSS and upgrade termina equipment for 2000 amps	12/1/2008	6/1/2011
MIDW	LYONS - WHEATLAND 115KV CKT 1 MIDW	Rebuild 98.5% ownership of 19.4 miles	6/1/2017	6/1/2017
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	normal/emergency ratings to 233/265 MVA	6/1/2012	6/1/2012
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	Reconductor to Bundled Drake	6/1/2012	6/1/2012
MIPU	GRANDVIEW EAST - SAMPSON 161KV CKT 1 # 1	Replace wavetraps	6/1/2012	6/1/2012
MIPU	LONGVIEW - SAMPSON 161KV CKT 1 # 1	replace wavetraps	6/1/2012	6/1/2012
MKEC	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	12/1/2008	6/1/2011
OKGE	GLASSES - RUSSETT 138KV CKT 1	Rebuild 8.38 miles of 138kV line with 795AS33, replace line relays, increase trap	6/1/2010	6/1/2011
SJLP	ALABAMA - LAKE ROAD 161KV CKT 1	re-set the over current relay to trip the Lake Road-Alabama section when flow goes above 161 MVA	6/1/2010	6/1/2012
SWPA	DARDANELLE - DARDANELLE 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	6/1/2011	6/1/2011
WERE	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	Rebuild 2.9 mi 115 kV line Bismark to COOP	6/1/2012	6/1/2012
WERE	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	Rebuild 5.2 miles Bismark to Midland 115 kV line	6/1/2012	6/1/2012
WERE	CENTENNIAL - COWSKIN 138KV CKT 1	Tear down / Rebuild 3.36-mile line	6/1/2016	6/1/2016
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	12/1/2008	6/1/2011
WERE	CHISHOLM - EVANS ENERGY CENTER NORTH 138KV CKT 1	Replace Disconnect Switches, Wavetrap, Breaker, Jumpers	6/1/2017	6/1/2017
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	Reconductor 8.02 miles with Bundled 1192.5 ACSF	6/1/2016	6/1/2016
WERE	LYONS - WHEATLAND 115KV CKT 1 WERE	Rebuild 1.5% ownership of 19.4 miles	6/1/2013	6/1/2013
WERE	SEVENTEENTH () 138/69/11.295KV TRANSFORMER CKT 2	Install second 17th St. 138-69 kV transforme	6/1/2016	6/1/2016
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kV line and tap in & out of Stranger 115 kV	6/1/2011	6/1/2011
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Tear down and rebuild 7.88 mile West McPherson Wheatland 115 kV line.	12/1/2008	12/1/2008
WFEC	MOORELAND - MOREWOOD SW 138KV CKT 1	Upgrade CT's at Mooreland (Morewood Branch) to 800A	12/1/2008	6/1/2010

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)
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In Service by 6/1/2006	6/1/2006	6/1/2006
WERE	RENO 345/115KV CKT 1	New stepdown transformer at a new substation in Reno County east northeast of Hutchinson	6/1/2009	6/1/2009
WERE	RENO 345/115KV CKT 2	Install 2nd stepdown transformer at Reno County substation east northeast of Hutchinson	6/1/2010	6/1/2010
WERE	SUMMIT - RENO 345KV	Install new 50.55-mile 345 kV line from Reno county to Summit; 31 miles of 115 kV line between Circle and S Philips would be rebuilt as double circuit with the 345 kV line to minimize ROW impacts; Substation work required at Summit for new 345 kV terminal	6/1/2010	6/1/2010
WERE	WICHITA - RENO 345KV	40 mile 345 kV transmission line from existing Wichita 345 kV substation to a new 345-115 kV substation in Reno County east northeast of Hutchinson (Wichita to Reno)	12/1/2008	12/1/2008

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
AMRN	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	Indeterminate	3/1/2010	6/1/2010	Indeterminate
ENTR	5BEE BR - QUITMAN 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	Indeterminate
ENTR	5CLINTN - CLINTON WEST (AECC) 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	5ST_JOE 161.00 - EVERTON 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	Indeterminate
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	Indeterminate
NPPD	GENTLMREDWIL	Indeterminate	12/1/2008	12/1/2008	Indeterminate