



*Aggregate Facility Study  
SPP-2007-AG3-AFS-2  
For Transmission Service  
Requested by  
Aggregate Transmission Customers*

*SPP Engineering, SPP Tariff Studies*

SPP AGGREGATE FACILITY STUDY (SPP-2007-AG3-AFS-2)

April 17, 2008

Page 1 of 86

*Table of Contents*

- 1. Executive Summary ..... 3
- 2. Introduction..... 4
  - A. Financial Analysis..... 7
  - B. Third Party Facilities..... 9
- 3. Study Methodology..... 10
  - A. Description ..... 10
  - B. Model Development..... 11
  - C. Transmission Request Modeling..... 12
  - D. Transfer Analysis ..... 13
  - E. Curtailment and Redispatch Evaluation..... 13
- 4. Study Results ..... 14
  - A. Study Analysis Results ..... 14
  - B. Study Definitions ..... 17
- 5. Conclusion ..... 18
- 6. Appendix A..... 19

## **1. Executive Summary**

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 2804 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 Z provides for facility upgrade cost recovery by stating that “[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated.”

The total assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is \$531 Million. Additionally an indeterminate amount of assigned E & C cost for 3<sup>rd</sup> party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is \$2.1 Billion. 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 \$1.5 Billion.

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 April 16th, 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 May 1st, 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 third open season of 2007 commenced on June 1, 2007. All requests for long-term transmission service received prior to October 1, 2007 with a signed study agreement were then included in this third Aggregate Transmission Service Study (ATSS) of 2007.

Approximately 2804 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$531 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 Z 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 Z. The following URL can be used to access the SPP OATT:

[http://www.spp.org/Publications/SPP\\_Tariff.pdf](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 Z 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 Z Section VII.

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 through 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 3<sup>rd</sup> Party Owner detailing the mitigation of the 3<sup>rd</sup> 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 3<sup>rd</sup> 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 AECl, 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 ten seasonal models to study the aggregate transfers of 2804 MW over a variety of requested service periods. The SPP MDWG 2007 Series Cases Update 2 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 2804 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 twelve 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 1<sup>st</sup>-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. 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 facility 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 (COD), Estimated Date of Upgrade Completion (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 Commercial Operation Date (COD) 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 April 16th, 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 May 1st, 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 -  Phase shift adjustment  
                   Flat start  
                   Lock DC taps  
                   Lock switched shunts

#### ACCC CASES:

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

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG3-2007-015	1337138	CSWS	EES	22	1/1/2009	1/1/2010	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	08WP
AEPM	AG3-2007-051	1352720	CSWS	CSWS	50	1/1/2009	1/1/2011	6/1/2011	6/1/2013	1/1/2009	1/1/2011	0	08WP
AEPM	AG3-2007-051	1352728	CSWS	CSWS	100	1/1/2009	1/1/2011	6/1/2011	6/1/2013	1/1/2009	1/1/2011	0	08WP
AEPM	AG3-2007-054	1352732	CSWS	CSWS	100	1/1/2010	1/1/2011	6/1/2011	6/1/2012	1/1/2010	1/1/2011	0	09WP
AEPM	AG3-2007-063	1352923	CSWS	CSWS	50	1/1/2009	1/1/2011	6/1/2010	6/1/2012	6/1/2009	6/1/2011	0	08WP
AEPM	AG3-2007-065	1352934	CSWS	CSWS	54	6/1/2010	6/1/2015	6/1/2011	6/1/2016	6/1/2010	6/1/2015	0	12SP
AEPM	AG3-2007-098	1353350	SPS	CSWS	42	1/1/2009	1/1/2014	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08WP
AEPM	AG3-2007-098	1353352	SPS	CSWS	22	1/1/2009	1/1/2014	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08WP
AEPM	AG3-2007-098	1353353	SPS	CSWS	21	1/1/2009	1/1/2014	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08WP
CMLP	AG3-2007-047	1352181	GRDA	CSWS	115	6/1/2008	6/1/2042	6/1/2011	6/1/2045	6/1/2011	6/1/2045	0	08SP
CMLP	AG3-2007-047	1352193	GRDA	CSWS	197	6/1/2008	6/1/2042	6/1/2011	6/1/2045	6/1/2011	6/1/2045	0	08SP
CRGL	AG3-2007-018	1340342	KCPL	CLEC	103	6/1/2008	6/1/2009	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	08SP
CRGL	AG3-2007-019	1340343	OPPD	CLEC	103	6/1/2008	6/1/2009	6/1/2010	6/1/2011	6/1/2010	6/1/2011	0	08SP
EDE	AG3-2007-037	1350960	KCPL	EDE	5	11/1/2008	11/1/2018	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	09SP
EDE	AG3-2007-046	1352109	KCPL	EDE	5	1/1/2010	1/1/2030	1/1/2010	1/1/2030	1/1/2010	1/1/2030	0	12SP
GRDA	AG3-2007-034	1350396	OKGE	GRDA	150	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2010	6/1/2015	0	08SP
KBPU	AG3-2007-017D	1339117	MPS	KACY	5	6/1/2008	6/1/2009	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	08SP
KCPS	AG3-2007-074	1353013	KCPL	KCPL	45	11/1/2008	11/1/2018	6/1/2011	6/1/2021	6/1/2010	6/1/2020	0	09SP
KCPS	AG3-2007-075A	1353028	WPEK	KCPL	50	6/1/2008	6/1/2009	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	08SP
KEPC	AG3-2007-064	1352933	WR	KCPL	15	6/1/2008	6/1/2040	6/1/2011	6/1/2043	6/1/2011	6/1/2043	0	08SP
KEPC	AG3-2007-066	1352938	WR	WR	68	6/1/2008	6/1/2040	6/1/2011	6/1/2043	6/1/2011	6/1/2043	0	08SP
KMEA	AG3-2007-104	1355377	OPPD	KCPL	20	1/1/2009	1/1/2013	6/1/2010	6/1/2014	1/1/2009	1/1/2013	0	09SP
KPP	AG3-2007-040	1351224	WR	WR	4	6/1/2008	6/1/2018	6/1/2011	6/1/2021	6/1/2011	6/1/2021	0	08SP

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
MIDW	AG3-2007-082	1353081	WR	WR	5	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-082	1353082	WR	WR	4	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-082	1353083	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-082	1353084	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-082	1353085	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-083	1353086	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-083	1353088	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-084	1353090	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-084	1353091	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-084	1353092	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-086	1353097	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-086	1353098	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-086	1353099	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-087	1353102	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-087	1353103	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-088	1353104	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-088	1353105	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-088	1353106	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2011	6/1/2016	0	08SP
MIDW	AG3-2007-090	1353110	WR	WR	25	6/1/2008	6/1/2027	6/1/2011	6/1/2030	6/1/2011	6/1/2030	0	08WP
MIDW	AG3-2007-091	1353111	WR	WR	25	1/1/2009	1/1/2029	6/1/2011	6/1/2031	6/1/2011	6/1/2031	0	08WP
OMPA	AG3-2007-035	1350945	OKGE	OKGE	23	6/1/2008	6/1/2017	6/1/2011	6/1/2020	6/1/2008	6/1/2017	0	08SP
PWX	AG3-2007-014	1331353	BLKW	KCPL	52	1/1/2010	1/1/2011	6/1/2011	6/1/2012	6/1/2011	6/1/2012	0	09WP
SPSM	AG3-2007-080	1353054	WPEK	KCPL	50	10/1/2008	6/1/2010	6/1/2011	2/1/2013	6/1/2011	2/1/2013	0	08WP
SPSM	AG3-2007-080	1353055	WPEK	KCPL	50	10/1/2008	6/1/2010	6/1/2011	2/1/2013	6/1/2011	2/1/2013	0	08WP
SPSM	AG3-2007-081	1353057	WPEK	KCPL	50	6/1/2010	1/1/2012	6/1/2011	1/1/2013	6/1/2011	1/1/2013	0	12SP
SPSM	AG3-2007-081	1353059	WPEK	KCPL	50	6/1/2010	1/1/2012	6/1/2011	1/1/2013	6/1/2011	1/1/2013	0	12SP
WFEC	AG3-2007-043	1351242	WFEC	WFEC	150	5/1/2009	5/1/2039	6/1/2011	6/1/2041	6/1/2011	6/1/2041	0	09SP
WFEC	AG3-2007-075	1353018	WFEC	SPS	400	1/1/2013	1/1/2043	1/1/2013	1/1/2043	1/1/2013	1/1/2043	0	12WP
WFEC	AG3-2007-076	1353020	SPS	WFEC	350	1/1/2013	1/1/2043	1/1/2013	1/1/2043	1/1/2013	1/1/2043	0	12WP
WRGS	AG3-2007-025	1346837	SECI	WR	96	11/1/2008	11/1/2018	6/1/2011	6/1/2021	6/1/2011	6/1/2021	0	09SP
WRGS	AG3-2007-026	1346842	SECI	WR	100	12/31/2008	12/31/2018	6/1/2011	6/1/2021	6/1/2011	6/1/2021	0	08WP

**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	<sup>1</sup> Letter of Credit Amount Required	<sup>2</sup> Potential Base Plan Engineering and Construction Funding Allowable	Notes	<sup>4</sup> Additional Engineering and Construction Cost for 3rd Party Upgrades	<sup>3</sup> Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITHOUT Potential Base Plan Funding Allocation	<sup>3 5</sup> Total Revenue Requirements for Assigned Upgrades Over Term of Reservation WITH Potential Base Plan Funding Allocation	Point-to-Point Base Rate Over Reservation Period	<sup>4</sup> Total Cost of Reservation Assignable to Customer Contingent Upon Base Plan Funding
AEPM	AG3-2007-015	1337138	\$ 140,368	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG3-2007-051	1352720	\$ 106,178	\$ -	\$ -		Indeterminate	\$ 140,184	\$ 140,184	\$ -	\$ 140,184
AEPM	AG3-2007-051	1352728	\$ 212,355	\$ -	\$ -		Indeterminate	\$ 280,367	\$ 280,367	\$ -	\$ 280,367
AEPM	AG3-2007-054	1352732	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG3-2007-063	1352923	\$ 102,261	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG3-2007-065	1352934	\$ 703,331	\$ 635,534	\$ -	6	Indeterminate	\$ 1,312,654	\$ 1,312,654	\$ -	\$ 1,312,654
AEPM	AG3-2007-098	1353350	\$ 2,374,641	\$ 2,284,975	\$ -	7	Indeterminate	\$ 4,652,944	\$ 4,652,944	\$ -	\$ 4,652,944
AEPM	AG3-2007-098	1353352	\$ 1,243,861	\$ 1,196,893	\$ -	7	Indeterminate	\$ 2,437,258	\$ 2,437,258	\$ -	\$ 2,437,258
AEPM	AG3-2007-098	1353353	\$ 1,187,320	\$ 1,142,487	\$ -	7	Indeterminate	\$ 2,326,471	\$ 2,326,471	\$ -	\$ 2,326,471
CMLP	AG3-2007-047	1352181	\$ 3,293,197	\$ 413,197	\$ 2,880,000		\$ -	\$ 17,120,566	\$ 2,148,115	\$ -	\$ 2,148,115
CMLP	AG3-2007-047	1352193	\$ 9,256,803	\$ 6,376,803	\$ 2,880,000		\$ -	\$ 48,123,969	\$ 33,151,518	\$ -	\$ 33,151,518
CRGL	AG3-2007-018	1340342	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 1,888,979	\$ 1,888,979
CRGL	AG3-2007-019	1340343	\$ 115,910	\$ 115,910	\$ -		Indeterminate	\$ 247,974	\$ 247,974	\$ 1,888,979	\$ 1,888,979
EDE	AG3-2007-037	1350960	\$ 35,122	\$ -	\$ 27,835		Indeterminate	\$ 78,707	\$ -	\$ -	Schedule 9 Charges
EDE	AG3-2007-046	1352109	\$ 35,122	\$ -	\$ 27,835		Indeterminate	\$ 107,336	\$ -	\$ -	Schedule 9 Charges
GRDA	AG3-2007-034	1350396	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
KBPU	AG3-2007-017D	1339117	\$ 5,351	\$ 5,351	\$ -		\$ -	\$ 12,685	\$ 12,685	\$ 52,800	\$ 52,800
KCPS	AG3-2007-074	1353013	\$ 438,461	\$ -	\$ 438,461		\$ -	\$ 1,163,074	\$ -	\$ -	Schedule 9 Charges
KCPS	AG3-2007-075	1353028	\$ 6,980,801	\$ 6,866,381	\$ -		\$ -	\$ 13,409,466	\$ 13,409,466	\$ 528,000	\$ 13,409,466
KEPC	AG3-2007-064	1352933	\$ 385,408	\$ -	\$ 385,408		\$ -	\$ 2,127,340	\$ -	\$ -	Schedule 9 Charges
KEPC	AG3-2007-066	1352938	\$ 22,351,233	\$ 10,111,233	\$ 12,240,000		Indeterminate	\$ 105,700,344	\$ 47,816,637	\$ -	\$ 47,816,637
KMEA	AG3-2007-104	1355377	\$ 64,940	\$ 64,940	\$ -		\$ -	\$ 140,764	\$ 140,764	\$ -	\$ 140,764
KPP	AG3-2007-040	1351224	\$ 20,617	\$ -	\$ 20,617		\$ -	\$ 29,851	\$ -	\$ -	Schedule 9 Charges

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

MIDW	AG3-2007-082	1353081	\$ 1,416,929	\$ 1,416,929	\$ -	Indeterminate	\$ 3,073,784	\$ 3,073,784	\$ 547,800	\$ 3,073,784
MIDW	AG3-2007-082	1353082	\$ 1,133,543	\$ 1,133,543	\$ -	Indeterminate	\$ 2,459,027	\$ 2,459,027	\$ 438,240	\$ 2,459,027
MIDW	AG3-2007-082	1353083	\$ 850,155	\$ 850,155	\$ -	Indeterminate	\$ 1,844,264	\$ 1,844,264	\$ 328,680	\$ 1,844,264
MIDW	AG3-2007-082	1353084	\$ 566,770	\$ 566,770	\$ -	Indeterminate	\$ 1,229,510	\$ 1,229,510	\$ 219,120	\$ 1,229,510
MIDW	AG3-2007-082	1353085	\$ 283,386	\$ 283,386	\$ -	Indeterminate	\$ 614,757	\$ 614,757	\$ 109,560	\$ 614,757
MIDW	AG3-2007-083	1353086	\$ 315,094	\$ 315,094	\$ -	Indeterminate	\$ 685,437	\$ 685,437	\$ 109,560	\$ 685,437
MIDW	AG3-2007-083	1353088	\$ 630,179	\$ 630,179	\$ -	Indeterminate	\$ 1,370,854	\$ 1,370,854	\$ 219,120	\$ 1,370,854
MIDW	AG3-2007-084	1353090	\$ 308,525	\$ 308,525	\$ -	Indeterminate	\$ 670,352	\$ 670,352	\$ 109,560	\$ 670,352
MIDW	AG3-2007-084	1353091	\$ 617,065	\$ 617,065	\$ -	Indeterminate	\$ 1,340,738	\$ 1,340,738	\$ 219,120	\$ 1,340,738
MIDW	AG3-2007-084	1353092	\$ 617,065	\$ 617,065	\$ -	Indeterminate	\$ 1,340,738	\$ 1,340,738	\$ 219,120	\$ 1,340,738
MIDW	AG3-2007-086	1353097	\$ 1,048,663	\$ 1,048,663	\$ -	\$ -	\$ 2,301,806	\$ 2,301,806	\$ 328,680	\$ 2,301,806
MIDW	AG3-2007-086	1353098	\$ 699,110	\$ 699,110	\$ -	\$ -	\$ 1,534,541	\$ 1,534,541	\$ 219,120	\$ 1,534,541
MIDW	AG3-2007-086	1353099	\$ 349,562	\$ 349,562	\$ -	\$ -	\$ 767,288	\$ 767,288	\$ 109,560	\$ 767,288
MIDW	AG3-2007-087	1353102	\$ 699,110	\$ 699,110	\$ -	\$ -	\$ 1,534,541	\$ 1,534,541	\$ 219,120	\$ 1,534,541
MIDW	AG3-2007-087	1353103	\$ 349,562	\$ 349,562	\$ -	\$ -	\$ 767,288	\$ 767,288	\$ 109,560	\$ 767,288
MIDW	AG3-2007-088	1353104	\$ 125,760	\$ 125,760	\$ -	\$ -	\$ 280,842	\$ 280,842	\$ 219,120	\$ 280,842
MIDW	AG3-2007-088	1353105	\$ 125,760	\$ 125,760	\$ -	\$ -	\$ 280,842	\$ 280,842	\$ 219,120	\$ 280,842
MIDW	AG3-2007-088	1353106	\$ 62,884	\$ 62,884	\$ -	\$ -	\$ 140,430	\$ 140,430	\$ 109,560	\$ 140,430
MIDW	AG3-2007-090	1353110	\$ 3,989,095	\$ 3,539,095	\$ 450,000	\$ -	\$ 13,554,262	\$ 12,025,239	\$ -	\$ 12,025,239
MIDW	AG3-2007-091	1353111	\$ 3,989,095	\$ 3,539,095	\$ 450,000	\$ -	\$ 13,952,279	\$ 12,378,357	\$ -	\$ 12,378,357
OMPA	AG3-2007-035	1350945	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
PWX	AG3-2007-014	1331353	\$ 107,331	\$ 107,331	\$ -	\$ -	\$ 242,855	\$ 242,855	\$ 549,120	\$ 549,120
SPSM	AG3-2007-080	1353054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 880,000	\$ 880,000
SPSM	AG3-2007-080	1353055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 880,000	\$ 880,000
SPSM	AG3-2007-081	1353057	\$ 14,702,190	\$ 14,702,190	\$ -	\$ -	\$ 29,584,232	\$ 29,584,232	\$ 836,000	\$ 29,584,232
SPSM	AG3-2007-081	1353059	\$ 14,702,190	\$ 14,702,190	\$ -	\$ -	\$ 29,584,232	\$ 29,584,232	\$ 836,000	\$ 29,584,232
WFEC	AG3-2007-043	1351242	\$ 45,017,997	\$ 11,954,247	\$ 27,000,000	\$ -	\$ 177,409,556	\$ 71,006,377	\$ -	\$ 71,006,377
WFEC	AG3-2007-075	1353018	\$ 51,327,410	\$ 44,259,201	\$ 51,327,410	Indeterminate	\$ 226,611,919	\$ -	\$ 208,944,000	\$ 208,944,000
WFEC	AG3-2007-076A	1353020	\$ 275,227,901	\$ 241,925,663	\$ -	8	\$ 1,217,419,842	\$ 1,217,419,842	\$ 259,560,000	\$ 1,217,419,842
WRGS	AG3-2007-025	1346837	\$ 27,033,608	\$ 19,049,225	\$ 1,728,000	\$ -	\$ 67,345,777	\$ 63,041,005	\$ -	\$ 63,041,005
WRGS	AG3-2007-026	1346842	\$ 44,141,103	\$ 30,318,981	\$ 1,800,000	\$ -	\$ 114,946,028	\$ 110,258,722	\$ -	\$ 110,258,722
Grand Total			\$ 531,737,916				\$ 2,112,299,975	\$ 1,570,698,738		

**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:** 2010 Maximum new resources capped at 10,693MW

**Note 7:** 2009 Maximum new resources capped at 10,423MW

**Note 8:** With load forecast of 1550MW in 2013 up to 1937MW may be base plan funded.

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

Customer Study Number  
AEPM AG3-2007-015

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1337138	CSWS	EES	22	1/1/2009	1/1/2010	6/1/2011	6/1/2012	\$ -	\$ -	\$ 140,368	\$ -
										\$ -	\$ 140,368	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1337138	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	10/1/2008	6/1/2010			\$ 140,368	\$ 325,000	\$ -
						Total	\$ 140,368	\$ 325,000

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1337138	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2009	6/1/2010		
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2008	6/1/2011		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BONANZA - BONANZA TAP 161KV CKT 1	6/1/2010	6/1/2010		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	6/1/2008	6/1/2010		
	COLONY - FT SMITH 161KV CKT 1	6/1/2009	6/1/2011		
	Commanche Cap Bank Addition	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1337138	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1337138	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	1/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	1/1/2009	6/1/2009		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	1/1/2009	6/1/2009		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2009		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2009		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1337138	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	1/1/2009	6/1/2009			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	10/1/2008	10/1/2008			\$ -	\$ -
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
						Total	\$ -



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

Customer Study Number  
 AEPM AG3-2007-051

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	1352720	CSWS	CSWS	50	1/1/2009	1/1/2011	6/1/2011	6/1/2013	\$ -	\$ -	\$ 106,178	\$ 140,184
AEPM	1352728	CSWS	CSWS	100	1/1/2009	1/1/2011	6/1/2011	6/1/2013	\$ -	\$ -	\$ 212,355	\$ 280,367
									\$ -	\$ -	\$ 318,533	\$ 420,551

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352720	LINWOOD - POWELL STREET 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 106,178	\$ 500,000	\$ 140,184
					Total	\$ 106,178	\$ 500,000	\$ 140,184
1352728	LINWOOD - POWELL STREET 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 212,355	\$ 500,000	\$ 280,367
					Total	\$ 212,355	\$ 500,000	\$ 280,367

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352720	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFECC	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		Yes
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		
1352728	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFECC	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		Yes
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352720	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		
1352728	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1352720	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
1352728	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
					Total	\$ -	\$ -

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

Customer Study Number  
 AEPM AG3-2007-054

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	1352732	CSWS	CSWS	100	1/1/2010	1/1/2011	6/1/2011	6/1/2012	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352732	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	COD	EOC	Earliest Service Date	Redispatch Available
1352732	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		Yes
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352732	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1352732	8WELLS 500.00 - WEBRE 500KV 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 Study Number  
 AEPM AG3-2007-063

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	1352923	CSWS	CSWS	50	1/1/2009	1/1/2011	6/1/2010	6/1/2012	\$ -	\$ -	\$ 102,261	\$ -	
										\$ -	\$ -	\$ 102,261	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352923	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	10/1/2008	6/1/2010		Yes	\$ 102,261	\$ 325,000	\$ -
						Total	\$ 102,261	\$ 325,000

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352923	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFECC	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		
	SALLISAW CAP BANK	6/1/2008	6/1/2009		No
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SOUTH SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352923	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	1/1/2009	6/1/2009		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	1/1/2009	6/1/2009		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2009		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2009		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1352923	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	1/1/2009	6/1/2009			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	10/1/2008	10/1/2008			\$ -	\$ -
	GRIMES - MT. ZION 138KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
						Total	\$ -

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

Customer Study Number  
 AEPM AG3-2007-065

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	1352934	CSWS	CSWS	54	6/1/2010	6/1/2015	6/1/2011	6/1/2016	\$ -	\$ -	\$ 704,170	\$ 1,312,655	
										\$ -	\$ -	\$ 704,170	\$ 1,312,655

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352934	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	10/1/2008	6/1/2010			\$ 67,797	\$ 325,000	\$ -
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 64,437	\$ 62,740,155	\$ 111,081
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 1,769	\$ 1,722,356	\$ 3,340
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 1,166	\$ 1,012,811	\$ 2,201
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 7,135	\$ 6,200,480	\$ 13,472
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 335,615	\$ 82,800,000	\$ 757,144
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 223,743	\$ 55,200,000	\$ 422,426
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 7	\$ 158,000	\$ 12
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 2,501	\$ 24,875,000	\$ 2,979
<b>Total</b>						<b>\$ 704,170</b>	<b>\$ 235,033,802</b>	<b>\$ 1,312,655</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352934	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	ARSENAL HILL - NORTH MARKET 69KV CKT 1	6/1/2010	6/1/2011		Yes
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		
	LATTA CAP BANK	6/1/2012	6/1/2012		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		
	LIEBERMAN - NORTH BENTON 138KV CKT 1	6/1/2014	6/1/2014		
	PORT ROBSON - REDPOINT 138kv	6/1/2010	6/1/2012		
	RUSSEL SWITCH CAP BANK	6/1/2013	6/1/2013		
	SALLISAW CAP BANK	6/1/2008	6/1/2009		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014		
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352934	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2011		
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2011		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	1/1/2009	6/1/2009		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	1/1/2009	6/1/2009		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1352934	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	1/1/2009	6/1/2009			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	10/1/2008	10/1/2008			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
<b>Total</b>						<b>\$ -</b>	<b>\$ -</b>

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

Customer Study Number  
 AEPM AG3-2007-098

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	1353350	SPS	CSWS	42	1/1/2009	1/1/2014	6/1/2011	6/1/2016	\$ -	\$ -	\$ 2,571,246	\$ 4,652,945
AEPM	1353352	SPS	CSWS	22	1/1/2009	1/1/2014	6/1/2011	6/1/2016	\$ -	\$ -	\$ 1,346,844	\$ 2,437,260
AEPM	1353353	SPS	CSWS	21	1/1/2009	1/1/2014	6/1/2011	6/1/2016	\$ -	\$ -	\$ 1,285,622	\$ 2,326,470
									\$ -	\$ -	\$ 5,203,712	\$ 9,416,675

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353350	LINWOOD - POWELL STREET 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 89,666	\$ 500,000	\$ 162,295
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 1,080,291	\$ 62,740,155	\$ 2,017,213
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 29,656	\$ 1,722,356	\$ 58,429
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 11,968	\$ 1,012,811	\$ 23,579
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 73,268	\$ 6,200,480	\$ 144,353
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 315,028	\$ 82,800,000	\$ 752,875
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 210,019	\$ 55,200,000	\$ 413,780
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 1,484	\$ 158,000	\$ 2,845
	Tolk - Eddy 345kV Tap	12/1/2012	12/1/2012			\$ 173,611	\$ 51,000,000	\$ 321,154
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 586,254	\$ 24,875,000	\$ 756,422
						Total	\$ 2,571,246	\$ 286,208,802
1353352	LINWOOD - POWELL STREET 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 46,968	\$ 500,000	\$ 85,012
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 565,867	\$ 62,740,155	\$ 1,056,636
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 15,534	\$ 1,722,356	\$ 30,606
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 6,269	\$ 1,012,811	\$ 12,351
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 38,379	\$ 6,200,480	\$ 75,614
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 165,015	\$ 82,800,000	\$ 394,364
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 110,010	\$ 55,200,000	\$ 216,742
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 777	\$ 158,000	\$ 1,490
	Tolk - Eddy 345kV Tap	12/1/2012	12/1/2012			\$ 90,939	\$ 51,000,000	\$ 168,223
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 307,086	\$ 24,875,000	\$ 396,222
						Total	\$ 1,346,844	\$ 286,208,802
1353353	LINWOOD - POWELL STREET 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 44,833	\$ 500,000	\$ 81,147
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 540,146	\$ 62,740,155	\$ 1,008,606
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 14,828	\$ 1,722,356	\$ 29,214
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 5,984	\$ 1,012,811	\$ 11,790
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 36,635	\$ 6,200,480	\$ 72,177
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 157,514	\$ 82,800,000	\$ 376,437
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 105,009	\$ 55,200,000	\$ 206,889
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 742	\$ 158,000	\$ 1,423
	Tolk - Eddy 345kV Tap	12/1/2012	12/1/2012			\$ 86,805	\$ 51,000,000	\$ 160,576
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 293,127	\$ 24,875,000	\$ 378,211
						Total	\$ 1,285,622	\$ 286,208,802

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	
1353350	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes	
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010			
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes	
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		Yes	
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1	6/1/2009	6/1/2010		Yes	
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011			
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			
	Stateline Project	6/1/2009	6/1/2011		Yes	
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014			
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
	1353352	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
		412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
		KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
LIEBERMAN - LONGWOOD 138KV CKT 1		6/1/2009	6/1/2011		Yes	
NICHOLS STATION - WHITAKER SUB 115KV CKT 1		6/1/2009	6/1/2010		Yes	
SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1		6/1/2010	6/1/2011			
SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1		6/1/2009	6/1/2009			
Stateline Project		6/1/2009	6/1/2011		Yes	
SUB 124 - AURORA H.T. 161KV		6/1/2014	6/1/2014			
SUB 438 - RIVERSIDE 161KV		6/1/2014	6/1/2014			
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		12/1/2012	12/1/2012			
1353353		412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
		412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
		KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2011		Yes	
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1	6/1/2009	6/1/2010		Yes	
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011			
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			
	Stateline Project	6/1/2009	6/1/2011		Yes	
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014			
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	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	COD	EOC	Earliest Service Date	Redispatch Available
1353350	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
1353352	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
1353353	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353350	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
1353352	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		Yes
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
1353353	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		Yes
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	1/1/2009	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	1/1/2009	6/1/2009		Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1353350	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
1353352	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
1353353	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number  
 CMLP AG3-2007-047

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
CMLP	1352181	GRDA	CSWS	115	6/1/2008	6/1/2042	6/1/2011	6/1/2045	\$ 2,880,000	\$ -	\$ 3,293,197	\$ 17,120,566
CMLP	1352193	GRDA	CSWS	197	6/1/2008	6/1/2042	6/1/2011	6/1/2045	\$ 2,880,000	\$ -	\$ 9,256,803	\$ 48,123,969
									\$ 5,760,000	\$ -	\$ 12,550,000	\$ 65,244,535

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352181	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1	6/1/2012	6/1/2012			\$ 26,241	\$ 100,000	\$ 132,591
	COFFEYVILLE FARMLAND - SOUTH COFFEYVILLE CITY 138KV CKT 1	6/1/2012	6/1/2012			\$ 1,626,918	\$ 6,200,000	\$ 8,220,497
	COFFEYVILLE FARMLAND (COFAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes	\$ -	\$ -	\$ -
	COFFEYVILLE FARMLAND (COFAUTO2) 138/69/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2010		Yes	\$ -	\$ -	\$ -
	COFFEYVILLE TAP - SOUTH COFFEYVILLE CITY 138KV CKT 1	6/1/2010	6/1/2011		No	\$ 1,574,436	\$ 6,000,000	\$ 8,426,194
	NORTHEAST STATION - WATOVA 138KV CKT 1	6/1/2011	6/1/2011			\$ 32,801	\$ 125,000	\$ 175,547
	NOWATA - WATOVA 138KV CKT 1	6/1/2012	6/1/2012			\$ 32,801	\$ 125,000	\$ 165,737
					Total	\$ 3,293,197	\$ 12,550,000	\$ 17,120,566
1352193	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1	6/1/2012	6/1/2012			\$ 73,759	\$ 100,000	\$ 372,690
	COFFEYVILLE FARMLAND - SOUTH COFFEYVILLE CITY 138KV CKT 1	6/1/2012	6/1/2012			\$ 4,573,082	\$ 6,200,000	\$ 23,106,886
	COFFEYVILLE FARMLAND (COFAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes	\$ -	\$ -	\$ -
	COFFEYVILLE FARMLAND (COFAUTO2) 138/69/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2010		Yes	\$ -	\$ -	\$ -
	COFFEYVILLE TAP - SOUTH COFFEYVILLE CITY 138KV CKT 1	6/1/2010	6/1/2011			\$ 4,425,564	\$ 6,000,000	\$ 23,685,092
	NORTHEAST STATION - WATOVA 138KV CKT 1	6/1/2011	6/1/2011			\$ 92,199	\$ 125,000	\$ 493,438
	NOWATA - WATOVA 138KV CKT 1	6/1/2012	6/1/2012			\$ 92,199	\$ 125,000	\$ 465,863
					Total	\$ 9,256,803	\$ 12,550,000	\$ 48,123,969

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352181	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	ALTAMONT 138KV	6/1/2010	6/1/2010		
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2008	6/1/2011		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	6/1/2008	6/1/2010		Yes
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		Yes
1352193	412SUB - KANSAS TAP 161KV CKT 1	6/1/2008	6/1/2010		Yes
	412SUB - KERR 161KV CKT 1	6/1/2010	6/1/2010		
	ALTAMONT 138KV	6/1/2010	6/1/2010		
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2008	6/1/2011		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	6/1/2008	6/1/2010		Yes
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2009	6/1/2010		Yes
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		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	COD	EOC	Earliest Service Date	Redispatch Available
1352181	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVAR	12/1/2009	6/1/2011		Yes
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	12/1/2012	12/1/2012		
1352193	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVAR	12/1/2009	6/1/2011		Yes
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	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  
CRGL AG3-2007-018

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	1340342	KCPL	CLEC	103	2/1/2008	2/1/2009	6/1/2011	6/1/2012	\$ -	\$ 1,888,979	\$ -	\$ -
									\$ -	\$ 1,888,979	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1340342	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	COD	EOC	Earliest Service Date	Redispatch Available
1340342	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1			6/1/2008	6/1/2010
	BLUE SPRINGS EAST CAP BANK			6/1/2010	6/1/2010
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1			6/1/2008	6/1/2009
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1			6/1/2008	6/1/2011
	REDEL - STILWELL 161KV CKT 1			6/1/2008	6/1/2011
	STRANGER CREEK TRANSFORMER CKT 2			6/1/2009	6/1/2010

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
1340342	HUGO POWER PLANT - VALLIANT 345 KV AEPW			6/1/2011	6/1/2011
	HUGO POWER PLANT - VALLIANT 345 KV WFEC			6/1/2011	6/1/2011
	LACYGNE - WEST GARDNER 345KV CKT 1			6/1/2006	6/1/2006
	SUMMIT - RENO 345KV			6/1/2010	6/1/2009

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1340342	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2			6/1/2008	6/1/2010
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1			6/1/2008	6/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV			6/1/2009	6/1/2010
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement			6/1/2009	6/1/2010

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1340342	3GRENWD 115.00 - HUMPHREY 115KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	3GRENWD 115.00 - TERREBONNE 115KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	3RUSTNE 115.00 - DOWNSVILLE 115KV CKT 1			4/1/2008	4/1/2008	\$ -	\$ -
	3RUSTNE 115.00 - VIENNA 115KV CKT 1			4/1/2008	4/1/2008	\$ -	\$ -
	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	4EOPLOUS 138.00 - CHAMPAGNE 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	4KSPRGS 138.00 - CHAMPAGNE 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	4KSPRGS 138.00 - LINE 642 TAP 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	4NCROWL 138.00 - SCOTT 138KV CKT 1			6/1/2010	6/1/2010	\$ -	\$ -
	4SCOTT2 138.00 - 4SEMERE 138.00 138KV CKT 1			6/1/2009	6/1/2009	\$ -	\$ -
	8WELLS 500.00 - WEBRE 500KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	8WELLS 500.00 500/230KV TRANSFORMER CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	ADAMS CREEK - BOGALUSA 230KV CKT 2			4/1/2008	4/1/2008	\$ -	\$ -
	CECELIA - DOC BONIN 138KV CKT 1			12/1/2009	12/1/2009	\$ -	\$ -
	CECELIA - MORIL 138KV CKT 1			12/1/2009	12/1/2009	\$ -	\$ -
	DOC BONIN - SCOTT 138KV CKT 1			6/1/2009	6/1/2009	\$ -	\$ -
	DOC BONIN 230/138KV TRANSFORMER CKT 1			6/1/2009	6/1/2009	\$ -	\$ -
	FRONT STREET - SLIDELL 230KV CKT 1			4/1/2008	4/1/2008	\$ -	\$ -
	GIBSON - HUMPHREY 115KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	GIBSON - RAMOS 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	GIBSON 138/115KV TRANSFORMER CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	GRIMES - MT. ZION 138KV CKT 1			6/1/2011	6/1/2011	\$ -	\$ -
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	LIVONIA BULK - WILBERT 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	LOUISIANA STATION - WILBERT 138KV CKT 1			6/1/2008	6/1/2008	\$ -	\$ -
	OVERTON 345.00 ( ) 345/161/13.8KV TRANSFORMER CKT 1			12/1/2008	12/1/2008	\$ -	\$ -
	WATERFORD - WILLOW GLEN 500KV CKT 1			4/1/2008	4/1/2008	\$ -	\$ -
	WATERFORD 500/230KV TRANSFORMER CKT 1			4/1/2008	4/1/2008	\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number  
CRGL AG3-2007-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
CRGL	1340343	OPPD	CLEC	103	2/1/2008	2/1/2009	6/1/2010	6/1/2011	\$ -	\$ 1,888,979	\$ 115,910	\$ 247,974
									\$ -	\$ 1,888,979	\$ 115,910	\$ 247,974

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1340343	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 106,160	\$ 950,000	\$ 231,041
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 9,750	\$ 180,000	\$ 16,933
Total						\$ 115,910	\$ 1,130,000	\$ 247,974

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1340343	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		

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
1340343	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1340343	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1340343	3GRENWD 115.00 - HUMPHREY 115KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	3GRENWD 115.00 - TERREBONNE 115KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	3RUSTNE 115.00 - DOWNSVILLE 115KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	3RUSTNE 115.00 - VIENNA 115KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	4EOPLOUS 138.00 - CHAMPAGNE 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	4KSPRGS 138.00 - CHAMPAGNE 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	4KSPRGS 138.00 - LINE 642 TAP 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	4NCROWL 138.00 - SCOTT 138KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	4SCOTT2 138.00 - 4SEMERE 138.00 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	8WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	8WELLS 500.00 500/230KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	ADAMS CREEK - BOGALUSA 230KV CKT 2	4/1/2008	4/1/2008			\$ -	\$ -
	CECELIA - DOC BONIN 138KV CKT 1	12/1/2009	12/1/2009			\$ -	\$ -
	CECELIA - MORIL 138KV CKT 1	12/1/2009	12/1/2009			\$ -	\$ -
	DOC BONIN - SCOTT 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DOC BONIN 230/138KV TRANSFORMER CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	FRONT STREET - SLIDELL 230KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	GIBSON - RAMOS 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	GIBSON 138/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	LOUISIANA STATION - WILBERT 138KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	WATERFORD - WILLOW GLEN 500KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	WATERFORD 500/230KV TRANSFORMER CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number  
EDE AG3-2007-037

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EDE	1350960	KCPL	EDE	5	11/1/2008	11/1/2018	6/1/2010	6/1/2020	\$ 27,835	\$ -	\$ 35,122	\$ 78,707
									\$ 27,835	\$ -	\$ 35,122	\$ 78,707

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1350960	CRAIG - PFLUMM 161KV CKT 1	6/1/2017	6/1/2017			\$ 5,618	\$ 200,000	\$ 11,348
	Craig 161kv add 90MVAR cap	6/1/2010	6/1/2010			\$ 18,762	\$ 950,000	\$ 58,776
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	10/1/2008	6/1/2010		Yes	\$ 7,287	\$ 325,000	\$ -
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 3,455	\$ 180,000	\$ 8,583
Total						\$ 35,122	\$ 1,655,000	\$ 78,707

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1350960	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2009	6/1/2010		No
	BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2017	6/1/2017		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BROOKLINE - SPRINGFIELD 161KV CKT 1	6/1/2016	6/1/2016		
	BROOKLINE - SPRINGFIELD 161KV CKT 1 SWPA	6/1/2016	6/1/2016		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	12/1/2008	6/1/2010		No
	Craig 161kv 50MVar Cap Bank	6/1/2010	6/1/2010		
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 EMDE	6/1/2014	6/1/2014		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	6/1/2010	6/1/2012		No
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2012		No
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	NIXA #1 - SPRINGFIELD 161KV CKT 1	6/1/2017	6/1/2017		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		No
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014		
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2010	6/1/2010		
	SUB 152 - MONETT H.T. - SUB 383 - MONETT 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014		

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
1350960	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1350960	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1 Displacement	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		No
	SUB 170 - NICHOLS ST. - SUB 80 - MARSHFIELD JCT. 69KV CKT 1	6/1/2009	6/1/2011		No
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	12/1/2012	12/1/2012		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1350960	5FLIPN - BULL SHOALS HES 161KV CKT 1	6/1/2017	6/1/2017			\$ -	\$ -
	5HILLTOP 161.00 - 5ST JOE 161.00 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	5ST JOE 161.00 - EVERTON 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	10/1/2008	10/1/2008			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
	HARRISON-EAST - SUMMIT 161KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 AECI	6/1/2014	6/1/2014			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number  
EDE AG3-2007-046

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EDE	1352109	KCPL	EDE	5	1/1/2010	1/1/2030			\$ 27,835	\$ -	\$ 35,122	\$ 107,336
									\$ 27,835	\$ -	\$ 35,122	\$ 107,336

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352109	CRAIG - PFLUMM 161KV CKT 1	6/1/2017	6/1/2017			\$ 5,618	\$ 200,000	\$ 15,484
	Craig 161kv add 90MVAR cap	6/1/2010	6/1/2010			\$ 18,762	\$ 950,000	\$ 80,189
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	10/1/2008	6/1/2010			\$ 7,287	\$ 325,000	\$ -
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 3,455	\$ 180,000	\$ 11,663
<b>Total</b>						<b>\$ 35,122</b>	<b>\$ 1,655,000</b>	<b>\$ 107,336</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352109	BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2017	6/1/2017		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BROOKLINE - SPRINGFIELD 161KV CKT 1	6/1/2016	6/1/2016		
	BROOKLINE - SPRINGFIELD 161KV CKT 1 SWPA	6/1/2016	6/1/2016		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	12/1/2008	6/1/2010		
	Craig 161kv 50MVar Cap Bank	6/1/2010	6/1/2010		
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 EMDE	6/1/2014	6/1/2014		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	6/1/2010	6/1/2012		No
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2012		No
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	NIXA #1 - SPRINGFIELD 161KV CKT 1	6/1/2017	6/1/2017		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014		
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2010	6/1/2010		
	SUB 152 - MONETT H.T. - SUB 383 - MONETT 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014		

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
1352109	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352109	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1 Displacement	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	SUB 170 - NICHOLS ST. - SUB 80 - MARSHFIELD JCT. 69KV CKT 1	6/1/2009	6/1/2011		No
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	12/1/2012	12/1/2012		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1352109	5FLIPN - BULL SHOALS HES 161KV CKT 1	6/1/2017	6/1/2017			\$ -	\$ -
	5HILLTOP 161.00 - 5ST JOE 161.00 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	5ST JOE 161.00 - EVERTON 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	10/1/2008	10/1/2008			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
	HARRISON-EAST - SUMMIT 161KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 AECI	6/1/2014	6/1/2014			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	10/1/2008	10/1/2008			\$ -	\$ -
<b>Total</b>						<b>\$ -</b>	<b>\$ -</b>

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

Customer Study Number  
GRDA AG3-2007-034

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
GRDA	1350396	OKGE	GRDA	150	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1350396	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	COD	EOC	Earliest Service Date	Redispatch Available
1350396	CLAREMORE (CLRAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	CLAREMORE (CLRAUTO2) 161/69/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2010		Yes
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		
	SALLISAW CAP BANK	6/1/2008	6/1/2009		No
	SCoffeyville Capacitor	6/1/2008	6/1/2010		No
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014		
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014		

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
1350396	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	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	COD	EOC	Earliest Service Date	Redispatch Available
1350396	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1350396	2PERKTAP - FORT GIBSON 69KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	4LUTHER 138.00 (LUTHER) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2010	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  
KBPU AG3-2007-017D

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
KBPU	1339117	MPS	KACY	5	2/1/2008	2/1/2009	6/1/2011	6/1/2012	\$ -	\$ 52,800	\$ 5,351	\$ 12,685
									\$ -	\$ 52,800	\$ 5,351	\$ 12,685

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1339117	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 5,351	\$ 950,000	\$ 12,685
Total						\$ 5,351	\$ 950,000	\$ 12,685

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1339117	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2009		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2008	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		
	South Harper - Freeman 69 kV	6/1/2008	6/1/2008		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1339117	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1339117	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	LONGVIEW - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		

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

Customer Study Number  
 KCPS AG3-2007-074

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	1353013	KCPL	KCPL	45	11/1/2008	11/1/2018	6/1/2011	6/1/2021	\$ 438,461	\$ -	\$ 438,461	\$ 1,163,075
									\$ 438,461	\$ -	\$ 438,461	\$ 1,163,075

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353013	CRAIG - PFLUMM 161KV CKT 1	6/1/2017	6/1/2017			\$ 159,724	\$ 200,000	\$ 322,626
	Craig 161kv add 90MVAR cap	6/1/2010	6/1/2010			\$ 228,219	\$ 950,000	\$ 714,948
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 50,518	\$ 180,000	\$ 125,501
Total						\$ 438,461	\$ 1,330,000	\$ 1,163,075

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353013	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2008	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CRAIG - LENEXA SOUTH 161KV CKT 1	6/1/2017	6/1/2017		
	Craig 161kv 50MVar Cap Bank	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		
	MERRIAM - ROELAND PARK 161KV CKT 1	6/1/2015	6/1/2015		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		Yes
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		No
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353013	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353013	COOK - LAKE ROAD 161KV CKT 1	12/1/2012	12/1/2012		
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		Yes
	EAST - INDUSTRIAL PARK 161KV CKT 1	12/1/2012	12/1/2012		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012		
	LONGVIEW - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		Yes
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		No
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		No

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

Customer Study Number  
 KCPS AG3-2007-075A

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	1353028	WPEK	KCPL	50	6/1/2008	6/1/2009	6/1/2011	6/1/2012	\$ -	\$ 528,000	\$ 6,980,801	\$ 13,409,466
									\$ -	\$ 528,000	\$ 6,980,801	\$ 13,409,466

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353028	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012		Yes	\$ 847,982	\$ 18,400,000	\$ 1,500,351
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012		Yes	\$ 847,982	\$ 18,400,000	\$ 1,729,161
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 1,713,012	\$ 9,990,000	\$ 3,538,523
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 1,998,471	\$ 11,610,000	\$ 3,640,453
	Craig 161kV add 90MVar cap	6/1/2010	6/1/2010			\$ 114,420	\$ 950,000	\$ 271,252
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 27,165	\$ 180,000	\$ 51,304
	Pratt - Barber County 138kV	12/1/2008	6/1/2011		Yes	\$ 1,221,986	\$ 23,300,000	\$ 2,307,249
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012		Yes	\$ 209,783	\$ 4,000,000	\$ 371,173
Total						\$ 6,980,801	\$ 86,830,000	\$ 13,409,466

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353028	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2009		Yes
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		Yes
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353028	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353028	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/118.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to McDowell 230 kV Displacement	6/1/2009	6/1/2011		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		Yes
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	LONGVIEW - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		



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

Customer Study Number  
KEPC AG3-2007-064

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	1352933	WR	KCPL	15	6/1/2008	6/1/2040	6/1/2011	6/1/2043	\$ 385,408	\$ -	\$ 385,408	\$ 2,127,339
									\$ 385,408	\$ -	\$ 385,408	\$ 2,127,339

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352933	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 101,460	\$ 550,000	\$ 563,532
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 39,681	\$ 18,400,000	\$ 206,037
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 39,681	\$ 18,400,000	\$ 201,459
	CRAIG - PFLUMM 161KV CKT 1	6/1/2017	6/1/2017			\$ 29,041	\$ 200,000	\$ 127,724
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 49,549	\$ 950,000	\$ 337,921
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 9,406	\$ 180,000	\$ 50,353
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 99,507	\$ 23,300,000	\$ 551,612
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 17,083	\$ 4,000,000	\$ 88,701
<b>Total</b>						<b>\$ 385,408</b>	<b>\$ 65,980,000</b>	<b>\$ 2,127,339</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352933	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2009		Yes
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2017	6/1/2017		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	CRAIG - LENEXA SOUTH 161KV CKT 1	6/1/2017	6/1/2017		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		No
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	6/1/2017	6/1/2017		
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		Yes
	MERRIAM - ROELAND PARK 161KV CKT 1	6/1/2015	6/1/2015		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		No

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352933	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352933	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	6/1/2016	6/1/2016		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		Yes
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVAR	12/1/2009	6/1/2011		
	LONGVIEW - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		Yes
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
 KEPC AG3-2007-066

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	1352938	WR	WR	68	6/1/2008	6/1/2040	6/1/2011	6/1/2043	\$ 12,240,000	\$ -	\$ 22,973,129	\$ 105,700,344
									\$ 12,240,000	\$ -	\$ 22,973,129	\$ 105,700,344

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1352938	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 279,784	\$ 550,000	\$ 1,553,985
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012		No	\$ 2,190,777	\$ 18,400,000	\$ 11,375,249
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012		No	\$ 2,190,777	\$ 18,400,000	\$ 11,122,507
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 1,442,182	\$ 9,990,000	\$ 7,415,327
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 1,637,645	\$ 11,610,000	\$ 8,758,495
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 1,291,849	\$ 15,255,000	\$ 6,064,472
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 370,831	\$ 62,740,155	\$ 1,588,248
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 10,180	\$ 1,722,356	\$ 33,292
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 25,255	\$ 1,012,811	\$ 82,593
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 154,614	\$ 6,200,480	\$ 505,637
	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -	\$ -
	Pratt - Barber County 138kV	12/1/2008	6/1/2011		No	\$ 3,252,514	\$ 23,300,000	\$ 18,030,161
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012		No	\$ 558,371	\$ 4,000,000	\$ 2,899,249
	Spearville - Mooreland 345 kV SUNC	12/1/2012	12/1/2012			\$ 5,276,153	\$ 82,800,000	\$ 24,087,369
	Spearville - Mooreland 345 kV WFEC	12/1/2012	12/1/2012			\$ 3,517,436	\$ 55,200,000	\$ 11,503,107
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 229,994	\$ 24,875,000	\$ 680,653
<b>Total</b>						\$ 22,973,129	\$ 393,502,880	\$ 105,700,344

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1352938	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BISMARK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	6/1/2017	6/1/2017		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2009	6/1/2011		Yes
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	6/1/2017	6/1/2017		
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2011		No
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2009	6/1/2011		Yes
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		



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

Customer Study Number  
KMEA AG3-2007-104

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	1355377	OPPD	KCPL	20	1/1/2009	1/1/2013	6/1/2010	6/1/2014	\$ -	\$ -	\$ 64,940	\$ 140,763
									\$ -	\$ -	\$ 64,940	\$ 140,763

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1355377	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 62,893	\$ 950,000	\$ 137,201
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 2,047	\$ 180,000	\$ 3,562
Total						\$ 64,940	\$ 1,130,000	\$ 140,763

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1355377	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2008	6/1/2010		No
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1355377	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1355377	COOK - LAKE ROAD 161KV CKT 1	12/1/2012	12/1/2012		
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		Yes
	EAST - INDUSTRIAL PARK 161KV CKT 1	12/1/2012	12/1/2012		
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		

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

Customer Study Number  
KPP AG3-2007-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1351224	WR	WR	4	2/1/2008	2/1/2018	6/1/2011	6/1/2021	\$ 20,617	\$ -	\$ 20,617	\$ 29,851
									\$ 20,617	\$ -	\$ 20,617	\$ 29,851

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1351224	GILL ENERGY CENTER WEST - WACO 138KV CKT 1	6/1/2017	6/1/2017			\$ 20,617	\$ 1,000,000	\$ 29,851
Total						\$ 20,617	\$ 1,000,000	\$ 29,851

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1351224	ALTAMONT 138KV	6/1/2010	6/1/2010		
	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2009		Yes
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		No
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		No
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		No
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		No

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
1351224	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1351224	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2013	6/1/2013		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	CRESWELL - OAK 69KV CKT 1	6/1/2013	6/1/2013		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		No
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		No
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		No
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		No
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		No
	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVAR	12/1/2009	6/1/2011		
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2008	6/1/2011		No
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		No
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		No
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
 MIDW AG3-2007-082

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	1353081	WR	WR	5	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 547,800	\$ 1,423,110	\$ 3,073,785
MIDW	1353082	WR	WR	4	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 438,240	\$ 1,138,488	\$ 2,459,027
MIDW	1353083	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 328,680	\$ 701,228	\$ 1,844,263
MIDW	1353084	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 569,243	\$ 1,229,509
MIDW	1353085	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 284,622	\$ 614,757
									\$ -	\$ 1,643,400	\$ 4,116,692	\$ 9,221,341

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1353081	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 23,772	\$ 550,000	\$ 61,112	
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 49,175	\$ 18,400,000	\$ 103,602	
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 49,175	\$ 18,400,000	\$ 115,533	
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 129,003	\$ 9,990,000	\$ 307,005	
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 150,503	\$ 11,610,000	\$ 326,403	
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 270,305	\$ 15,255,000	\$ 514,867	
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 11,092	\$ 62,740,155	\$ 20,712	
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 305	\$ 1,722,356	\$ 600	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 1,791	\$ 1,012,811	\$ 3,528	
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 10,964	\$ 6,200,480	\$ 21,601	
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 90,856	\$ 23,300,000	\$ 204,236	
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 15,598	\$ 4,000,000	\$ 32,862	
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 361,256	\$ 82,800,000	\$ 863,353	
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 240,837	\$ 55,200,000	\$ 474,498	
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 48	\$ 158,000	\$ 92	
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 18,431	\$ 24,875,000	\$ 23,781	
					Total	\$ 1,423,110	\$ 336,213,802	\$ 3,073,785	
	1353082	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 19,017	\$ 550,000	\$ 48,888
		Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 39,341	\$ 18,400,000	\$ 82,883
		Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 39,341	\$ 18,400,000	\$ 92,429
BELOIT - CONCORDIA 115KV CKT 1		6/1/2009	6/1/2011			\$ 103,203	\$ 9,990,000	\$ 245,605	
CONCORDIA - JEWELL 3 115KV CKT 1		6/1/2011	6/1/2011			\$ 120,400	\$ 11,610,000	\$ 261,117	
JEWELL 3 - SMITH CENTER 115KV CKT 1		6/1/2013	6/1/2013			\$ 216,244	\$ 15,255,000	\$ 411,893	
Mooreland - TUCO 345 kV SPS		12/1/2012	6/1/2013			\$ 8,874	\$ 62,740,155	\$ 16,570	
Mooreland - TUCO 345 kV WFEC		12/1/2012	6/1/2013			\$ 244	\$ 1,722,356	\$ 480	
Mooreland 345/138 kV Transformer CKT 1 Displacement		12/1/2012	6/1/2013			\$ 1,433	\$ 1,012,811	\$ 2,823	
Mooreland 345/138 kV Transformer CKT 2		12/1/2012	6/1/2013			\$ 8,771	\$ 6,200,480	\$ 17,280	
Pratt - Barber County 138kV		12/1/2008	6/1/2011	No		\$ 72,685	\$ 23,300,000	\$ 163,390	
Pratt 115/138 kV XFMR		6/1/2008	6/1/2012	No		\$ 12,478	\$ 4,000,000	\$ 26,289	
Spearville - Mooreland 345 kV SUNC		12/1/2012	6/1/2013			\$ 289,005	\$ 82,800,000	\$ 690,683	
Spearville - Mooreland 345 kV WFEC		12/1/2012	6/1/2013			\$ 192,670	\$ 55,200,000	\$ 379,599	
STANTON SUB - TUCO INTERCHANGE 115KV CKT 1		12/1/2012	12/1/2012			\$ 38	\$ 158,000	\$ 73	
Tuco - Tolk 345kV		12/1/2012	6/1/2013			\$ 14,745	\$ 24,875,000	\$ 19,025	
					Total	\$ 1,138,488	\$ 336,213,802	\$ 2,459,027	
1353083		95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 14,262	\$ 550,000	\$ 36,664
		Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 29,507	\$ 18,400,000	\$ 62,165
		Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 29,507	\$ 18,400,000	\$ 69,325
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 77,402	\$ 9,990,000	\$ 184,203	
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 90,296	\$ 11,610,000	\$ 195,829	
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 6,655	\$ 15,255,000	\$ 308,920	
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 183	\$ 62,740,155	\$ 12,427	
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 1,074	\$ 1,722,356	\$ 360	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 6,578	\$ 1,012,811	\$ 2,117	
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 9,548	\$ 6,200,480	\$ 12,960	
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 54,514	\$ 23,300,000	\$ 122,543	
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 9,359	\$ 4,000,000	\$ 19,717	
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 216,753	\$ 82,800,000	\$ 518,010	
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 144,502	\$ 55,200,000	\$ 284,698	
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 29	\$ 158,000	\$ 56	
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 11,059	\$ 24,875,000	\$ 14,269	
					Total	\$ 701,228	\$ 336,213,802	\$ 1,844,263	

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

1353084	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011		\$	9,509	\$	550,000	\$	24,445
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No	\$	19,670	\$	18,400,000	\$	41,441
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No	\$	19,670	\$	18,400,000	\$	46,213
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011		\$	51,601	\$	9,990,000	\$	122,801
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011		\$	60,200	\$	11,610,000	\$	130,559
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013		\$	108,122	\$	15,255,000	\$	205,947
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013		\$	4,437	\$	62,740,155	\$	8,285
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013		\$	122	\$	1,722,356	\$	240
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013		\$	716	\$	1,012,811	\$	1,411
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013		\$	4,386	\$	6,200,480	\$	8,641
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No	\$	36,342	\$	23,300,000	\$	81,694
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No	\$	6,239	\$	4,000,000	\$	13,144
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013		\$	144,502	\$	82,800,000	\$	345,340
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013		\$	96,335	\$	55,200,000	\$	189,799
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012		\$	19	\$	158,000	\$	36
	Tuco - Tolk 345kV	12/1/2012	6/1/2013		\$	7,373	\$	24,875,000	\$	9,513
				Total	\$	569,243	\$	336,213,802	\$	1,229,509
1353085	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011		\$	4,754	\$	550,000	\$	12,221
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No	\$	9,834	\$	18,400,000	\$	20,718
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No	\$	9,834	\$	18,400,000	\$	23,104
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011		\$	25,801	\$	9,990,000	\$	61,402
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011		\$	30,103	\$	11,610,000	\$	65,286
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013		\$	54,061	\$	15,255,000	\$	102,973
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013		\$	2,218	\$	62,740,155	\$	4,142
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013		\$	61	\$	1,722,356	\$	120
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013		\$	358	\$	1,012,811	\$	706
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013		\$	2,193	\$	6,200,480	\$	4,321
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No	\$	18,171	\$	23,300,000	\$	40,847
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No	\$	3,120	\$	4,000,000	\$	6,573
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013		\$	72,251	\$	82,800,000	\$	172,670
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013		\$	48,167	\$	55,200,000	\$	94,899
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012		\$	10	\$	158,000	\$	19
	Tuco - Tolk 345kV	12/1/2012	6/1/2013		\$	3,686	\$	24,875,000	\$	4,756
				Total	\$	284,622	\$	336,213,802	\$	614,757

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353081	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No	
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes	
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No	
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010	No	
	PRATT 115KV	6/1/2009	6/1/2010	No	
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011	Yes	
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		



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

	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008	
1353082	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011	
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010	
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2009	6/1/2010	No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010	
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008	
1353083	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011	
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010	
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2009	6/1/2010	No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010	
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008	
1353084	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011	
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010	
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2009	6/1/2010	No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010	
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008	

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

1353085	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No	
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes	
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No	
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	PLAINVILLE CAP BANK	6/1/2009	6/1/2010	No	
	PRATT 115KV	6/1/2009	6/1/2010	No	
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011	Yes	
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kv	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353081	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353082	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353083	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353084	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353085	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353081	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes	
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes	
	East Manhattan to Mcdowell 230 kv Displacement	6/1/2009	6/1/2011	Yes	
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011	Yes	
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	PHILLIPSBURG - RHOADES 115 kv	6/1/2008	6/1/2009	No	
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes	

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

1353082	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011	Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013	
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009	No
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010	
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes
1353083	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011	Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013	
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009	No
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010	
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes
1353084	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011	Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013	
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009	No
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010	
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes
1353085	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011	Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013	
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009	No
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010	
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1353081	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			0	\$ -
1353082	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
1353083	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
1353084	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
1353085	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
	<b>Total</b>					\$ -	\$ -

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

Customer Study Number  
 MIDW AG3-2007-083

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	1353086	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 315,823	\$ 685,438
MIDW	1353088	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 631,637	\$ 1,370,853
									\$ -	\$ 328,680	\$ 947,460	\$ 2,604,576

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353086	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 4,494	\$ 550,000	\$ 11,553
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 18,354	\$ 18,400,000	\$ 38,668
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 18,354	\$ 18,400,000	\$ 43,121
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 24,296	\$ 9,990,000	\$ 57,820
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 28,344	\$ 11,610,000	\$ 61,471
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 51,161	\$ 15,255,000	\$ 97,450
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 5,124	\$ 62,740,155	\$ 9,569
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 141	\$ 1,722,356	\$ 277
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 315	\$ 1,012,811	\$ 620
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,927	\$ 6,200,480	\$ 3,797
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 38,691	\$ 23,300,000	\$ 86,974
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 6,642	\$ 4,000,000	\$ 13,993
	Spearsville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 69,480	\$ 82,800,000	\$ 166,048
	Spearsville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 46,320	\$ 55,200,000	\$ 91,260
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 6	\$ 158,000	\$ 12
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 2,174	\$ 24,875,000	\$ 2,805
					Total	\$ 315,823	\$ 336,213,802	\$ 685,438
1353088	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 8,987	\$ 550,000	\$ 23,103
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 36,708	\$ 18,400,000	\$ 77,336
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 36,708	\$ 18,400,000	\$ 86,243
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 48,585	\$ 9,990,000	\$ 115,624
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 56,681	\$ 11,610,000	\$ 122,927
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 102,323	\$ 15,255,000	\$ 194,901
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 10,249	\$ 62,740,155	\$ 19,138
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 281	\$ 1,722,356	\$ 554
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 630	\$ 1,012,811	\$ 1,240
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 3,854	\$ 6,200,480	\$ 7,593
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 77,388	\$ 23,300,000	\$ 173,961
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 13,285	\$ 4,000,000	\$ 27,989
	Spearsville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 138,959	\$ 82,800,000	\$ 332,093
	Spearsville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 92,640	\$ 55,200,000	\$ 182,520
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 11	\$ 158,000	\$ 21
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 4,348	\$ 24,875,000	\$ 5,610
					Total	\$ 631,637	\$ 336,213,802	\$ 1,370,853

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353086	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 89KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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

1353088	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	No	
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011	Yes	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011	No	
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011	Yes	
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011	No	
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011	Yes	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No	
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	PRATT 115KV	6/1/2009	6/1/2010	No	
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011	Yes	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353086	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353088	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353086	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes	
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes	
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes	
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes	
1353088	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011	Yes	
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011	Yes	
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011	Yes	
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011	Yes	
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009	Yes	

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1353086	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
1353088	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number  
 MIDW AG3-2007-084

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	1353090	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 309,330	\$ 670,354
MIDW	1353091	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 618,675	\$ 1,340,736
MIDW	1353092	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 618,675	\$ 1,340,736
									\$ -	\$ 547,800	\$ 1,546,681	\$ 3,351,826

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353090	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 4,511	\$ 550,000	\$ 11,597
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 15,228	\$ 18,400,000	\$ 32,082
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 15,228	\$ 18,400,000	\$ 35,777
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 24,971	\$ 9,990,000	\$ 59,427
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 29,133	\$ 11,610,000	\$ 63,182
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 52,468	\$ 15,255,000	\$ 99,939
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 5,093	\$ 62,740,155	\$ 9,511
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 140	\$ 1,722,356	\$ 275
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 332	\$ 1,012,811	\$ 654
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 2,032	\$ 6,200,480	\$ 4,004
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 31,235	\$ 23,300,000	\$ 70,214
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 5,362	\$ 4,000,000	\$ 11,297
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 72,714	\$ 82,800,000	\$ 173,777
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 48,476	\$ 55,200,000	\$ 95,508
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 6	\$ 158,000	\$ 12
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 2,401	\$ 24,875,000	\$ 3,098
					Total	\$ 309,330	\$ 336,213,802	\$ 670,354
1353091	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 9,022	\$ 550,000	\$ 23,193
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 30,459	\$ 18,400,000	\$ 64,171
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 30,459	\$ 18,400,000	\$ 71,561
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 49,950	\$ 9,990,000	\$ 118,872
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 58,267	\$ 11,610,000	\$ 126,366
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 104,936	\$ 15,255,000	\$ 199,878
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 10,187	\$ 62,740,155	\$ 19,022
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 280	\$ 1,722,356	\$ 551
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 664	\$ 1,012,811	\$ 1,308
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 4,065	\$ 6,200,480	\$ 8,010
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 62,469	\$ 23,300,000	\$ 140,425
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 10,724	\$ 4,000,000	\$ 22,593
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 145,428	\$ 82,800,000	\$ 347,553
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 96,952	\$ 55,200,000	\$ 191,015
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 12	\$ 158,000	\$ 23
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 4,801	\$ 24,875,000	\$ 6,195
					Total	\$ 618,675	\$ 336,213,802	\$ 1,340,736
1353092	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 9,022	\$ 550,000	\$ 23,193
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 30,459	\$ 18,400,000	\$ 64,171
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 30,459	\$ 18,400,000	\$ 71,561
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 49,950	\$ 9,990,000	\$ 118,872
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 58,267	\$ 11,610,000	\$ 126,366
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 104,936	\$ 15,255,000	\$ 199,878
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 10,187	\$ 62,740,155	\$ 19,022
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 280	\$ 1,722,356	\$ 551
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 664	\$ 1,012,811	\$ 1,308
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 4,065	\$ 6,200,480	\$ 8,010
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 62,469	\$ 23,300,000	\$ 140,425
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 10,724	\$ 4,000,000	\$ 22,593
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 145,428	\$ 82,800,000	\$ 347,553
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 96,952	\$ 55,200,000	\$ 191,015
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 12	\$ 158,000	\$ 23
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 4,801	\$ 24,875,000	\$ 6,195
					Total	\$ 618,675	\$ 336,213,802	\$ 1,340,736

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353090	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
1353091	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
1353092	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			

**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	COD	EOC	Earliest Service Date	Redispatch Available
1353090	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
1353091	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
1353092	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353090	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes
1353091	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes
1353092	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1353090	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			0	\$ -
1353091	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
1353092	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
	<b>Total</b>					\$ -	\$ -



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

Customer Study Number  
 MIDW AG3-2007-086

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	1353097	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 328,680	\$ 1,050,044	\$ 2,301,806
MIDW	1353098	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 700,031	\$ 1,534,540
MIDW	1353099	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 350,023	\$ 767,287
									\$ -	\$ 657,360	\$ 2,100,098	\$ 4,603,633

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353097	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 13,406	\$ 550,000	\$ 34,463
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 113,425	\$ 18,400,000	\$ 238,963
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 113,425	\$ 18,400,000	\$ 266,484
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 52,137	\$ 9,990,000	\$ 124,077
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 60,823	\$ 11,610,000	\$ 131,910
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 2,390	\$ 950,000	\$ 6,718
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 111,847	\$ 15,255,000	\$ 213,042
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 13,378	\$ 62,740,155	\$ 24,980
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 367	\$ 1,722,356	\$ 723
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 695	\$ 1,012,811	\$ 1,370
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 4,258	\$ 6,200,480	\$ 8,389
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 253,824	\$ 23,300,000	\$ 570,574
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 43,575	\$ 4,000,000	\$ 91,804
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 157,418	\$ 82,800,000	\$ 376,208
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 104,946	\$ 55,200,000	\$ 206,765
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 11	\$ 158,000	\$ 21
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 4,119	\$ 24,875,000	\$ 5,315
				Total	\$ 1,050,044	\$ 337,163,802	\$ 2,301,806	
1353098	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 8,938	\$ 550,000	\$ 22,977
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 75,617	\$ 18,400,000	\$ 159,310
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 75,617	\$ 18,400,000	\$ 177,657
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 34,756	\$ 9,990,000	\$ 82,713
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 40,551	\$ 11,610,000	\$ 87,945
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 1,593	\$ 950,000	\$ 4,478
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 74,565	\$ 15,255,000	\$ 142,029
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 8,918	\$ 62,740,155	\$ 16,653
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 245	\$ 1,722,356	\$ 482
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 464	\$ 1,012,811	\$ 913
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 2,838	\$ 6,200,480	\$ 5,592
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 169,216	\$ 23,300,000	\$ 380,383
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 29,050	\$ 4,000,000	\$ 61,202
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 104,946	\$ 82,800,000	\$ 250,807
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 69,964	\$ 55,200,000	\$ 137,843
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 7	\$ 158,000	\$ 13
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 2,746	\$ 24,875,000	\$ 3,543
				Total	\$ 700,031	\$ 337,163,802	\$ 1,534,540	
1353099	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 4,470	\$ 550,000	\$ 11,491
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 37,808	\$ 18,400,000	\$ 79,654
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 37,808	\$ 18,400,000	\$ 88,827
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 17,382	\$ 9,990,000	\$ 41,366
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 20,278	\$ 11,610,000	\$ 43,978
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 797	\$ 950,000	\$ 2,240
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 37,282	\$ 15,255,000	\$ 71,013
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 4,459	\$ 62,740,155	\$ 8,327
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 122	\$ 1,722,356	\$ 241
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 232	\$ 1,012,811	\$ 457
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,419	\$ 6,200,480	\$ 2,796
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 84,608	\$ 23,300,000	\$ 190,191
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 14,525	\$ 4,000,000	\$ 30,601
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 52,473	\$ 82,800,000	\$ 125,403
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 34,982	\$ 55,200,000	\$ 68,922
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 4	\$ 158,000	\$ 8
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 1,373	\$ 24,875,000	\$ 1,772
				Total	\$ 350,023	\$ 337,163,802	\$ 767,287	

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353097	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2011		
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2011		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		
1353098	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2011		
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2011		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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

1353099	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2011		
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2011		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353097	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353098	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353099	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353097	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes
1353098	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

1353099	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
MIDW AG3-2007-087

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	1353102	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 700,031	\$ 2,313,092
MIDW	1353103	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 350,023	\$ 1,156,560
									\$ -	\$ 328,680	\$ 1,050,054	\$ 3,469,652

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1353102	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 8,938	\$ 550,000	\$ 22,977	
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 75,617	\$ 18,400,000	\$ 159,310	
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 75,617	\$ 18,400,000	\$ 177,657	
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 34,756	\$ 9,990,000	\$ 82,713	
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 40,551	\$ 11,610,000	\$ 87,945	
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 1,593	\$ 950,000	\$ 4,478	
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 74,565	\$ 15,255,000	\$ 142,029	
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 8,918	\$ 62,740,155	\$ 16,653	
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 245	\$ 1,722,356	\$ 482	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 464	\$ 1,012,811	\$ 913	
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 2,838	\$ 6,200,480	\$ 5,592	
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 169,216	\$ 23,300,000	\$ 380,383	
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 29,050	\$ 4,000,000	\$ 61,202	
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 104,946	\$ 82,800,000	\$ 250,807	
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 69,964	\$ 55,200,000	\$ 137,843	
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 7	\$ 158,000	\$ 13	
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 2,746	\$ 24,875,000	\$ 3,543	
						Total	\$ 700,031	\$ 337,163,802	\$ 2,313,092
	1353103	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 4,470	\$ 550,000	\$ 11,491
		Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012		No	\$ 37,808	\$ 18,400,000	\$ 79,654
Barber County - Evans South 138kV WERE		6/1/2008	6/1/2012			\$ 37,808	\$ 18,400,000	\$ 88,827	
BELOIT - CONCORDIA 115KV CKT 1		6/1/2009	6/1/2011			\$ 17,382	\$ 9,990,000	\$ 41,366	
CONCORDIA - JEWELL 3 115KV CKT 1		6/1/2011	6/1/2011			\$ 20,278	\$ 11,610,000	\$ 43,978	
Craig 161kV add 90MVAR cap		6/1/2010	6/1/2010			\$ 797	\$ 950,000	\$ 2,240	
JEWELL 3 - SMITH CENTER 115KV CKT 1		6/1/2013	6/1/2013			\$ 37,282	\$ 15,255,000	\$ 71,013	
Mooreland - TUCO 345 kV SPS		12/1/2012	6/1/2013			\$ 4,459	\$ 62,740,155	\$ 8,327	
Mooreland - TUCO 345 kV WFEC		12/1/2012	6/1/2013			\$ 122	\$ 1,722,356	\$ 241	
Mooreland 345/138 kV Transformer CKT 1 Displacement		12/1/2012	6/1/2013			\$ 232	\$ 1,012,811	\$ 457	
Mooreland 345/138 kV Transformer CKT 2		12/1/2012	6/1/2013			\$ 1,419	\$ 6,200,480	\$ 2,796	
Pratt - Barber County 138kV		12/1/2008	6/1/2011			\$ 84,608	\$ 23,300,000	\$ 190,191	
Pratt 115/138 kV XFMR		6/1/2008	6/1/2012			\$ 14,525	\$ 4,000,000	\$ 30,601	
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Spearville - Mooreland 345 kV WFEC		12/1/2012	6/1/2013			\$ 34,982	\$ 55,200,000	\$ 68,922	
STANTON SUB - TUCO INTERCHANGE 115KV CKT 1		12/1/2012	12/1/2012			\$ 4	\$ 158,000	\$ 8	
Tuco - Tolk 345kV		12/1/2012	6/1/2013			\$ 1,373	\$ 24,875,000	\$ 1,772	
						Total	\$ 350,023	\$ 337,163,802	\$ 1,156,560

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	
1353102	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011			
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No	
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2011			
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010			
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011			
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011			
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No	
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes	
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No	
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes	
	HARPER CAPACITOR	6/1/2008	6/1/2010		No	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No	
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2011			
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	PRATT 115KV	6/1/2009	6/1/2010		No	
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011			
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010			
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
	1353103	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
		ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
		BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
		CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
		Cimarron Plant Substation Expansion	6/1/2009	6/1/2011		
		CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1		6/1/2008	6/1/2011		Yes	
CLAY CENTER - GREENLEAF 115KV CKT 1		6/1/2008	6/1/2011		Yes	
Craig 161kV 50MVar Cap Bank		6/1/2010	6/1/2010			
Evans - Grant - Chisolm Rebuild and Conversion Project		6/1/2008	6/1/2011			
FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1		6/1/2010	6/1/2011			
FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &		10/1/2008	6/1/2011		No	
GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1		6/1/2008	6/1/2011		Yes	
GILLJCT2 - OATVILLE 69KV CKT 1		6/1/2008	6/1/2011		No	
HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1		6/1/2009	6/1/2011		Yes	
HARPER CAPACITOR		6/1/2008	6/1/2010		No	
KINSLEY CAPACITOR		6/1/2008	6/1/2010		No	
NORTH CIMARRON 115KV Capacitor		6/1/2009	6/1/2011			
NORTHVIEW - SUMMIT 115KV CKT 1		6/1/2008	6/1/2011		Yes	
PRATT 115KV		6/1/2009	6/1/2010		No	
SOUTHGATE - SUMMIT 115KV CKT 1		6/1/2008	6/1/2011		Yes	
SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1		6/1/2010	6/1/2011			
ST JOHN CAPACITOR		6/1/2008	6/1/2010		No	
STRANGER CREEK TRANSFORMER CKT 2		6/1/2009	6/1/2010			
Summit to Saline County 230/115 kV		6/1/2013	6/1/2013			
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		12/1/2012	12/1/2012			
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11		6/1/2008	6/1/2008			

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
1353102	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353103	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353102	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes
1353103	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
MIDW AG3-2007-088

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	1353104	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 126,141	\$ 280,845
MIDW	1353105	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 126,141	\$ 280,845
MIDW	1353106	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 63,075	\$ 140,430
									\$ -	\$ 547,800	\$ 315,357	\$ 702,120

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353104	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 8,474	\$ 550,000	\$ 21,785
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 8,052	\$ 18,400,000	\$ 16,964
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 8,052	\$ 18,400,000	\$ 18,918
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 3,400	\$ 62,740,155	\$ 6,348
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 93	\$ 1,722,356	\$ 184
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 189	\$ 1,012,811	\$ 373
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,158	\$ 6,200,480	\$ 2,282
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 21,316	\$ 23,300,000	\$ 47,917
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 3,659	\$ 4,000,000	\$ 7,709
	Speerville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 42,365	\$ 82,800,000	\$ 101,247
	Speerville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 28,244	\$ 55,200,000	\$ 55,646
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 3	\$ 158,000	\$ 6
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 1,136	\$ 24,875,000	\$ 1,466
					Total	\$ 126,141	\$ 299,358,802	\$ 280,845
1353105	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 8,474	\$ 550,000	\$ 21,785
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 8,052	\$ 18,400,000	\$ 16,964
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 8,052	\$ 18,400,000	\$ 18,918
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 3,400	\$ 62,740,155	\$ 6,348
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 93	\$ 1,722,356	\$ 184
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 189	\$ 1,012,811	\$ 373
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,158	\$ 6,200,480	\$ 2,282
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 21,316	\$ 23,300,000	\$ 47,917
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 3,659	\$ 4,000,000	\$ 7,709
	Speerville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 42,365	\$ 82,800,000	\$ 101,247
	Speerville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 28,244	\$ 55,200,000	\$ 55,646
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 3	\$ 158,000	\$ 6
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 1,136	\$ 24,875,000	\$ 1,466
					Total	\$ 126,141	\$ 299,358,802	\$ 280,845
1353106	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	6/1/2011	6/1/2011			\$ 4,237	\$ 550,000	\$ 10,892
	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012	No		\$ 4,026	\$ 18,400,000	\$ 8,482
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012	No		\$ 4,026	\$ 18,400,000	\$ 9,459
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 1,700	\$ 62,740,155	\$ 3,174
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 47	\$ 1,722,356	\$ 92
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 95	\$ 1,012,811	\$ 186
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 579	\$ 6,200,480	\$ 1,142
	Pratt - Barber County 138kV	12/1/2008	6/1/2011	No		\$ 10,661	\$ 23,300,000	\$ 23,965
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012	No		\$ 1,830	\$ 4,000,000	\$ 3,855
	Speerville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 21,183	\$ 82,800,000	\$ 50,625
	Speerville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 14,122	\$ 55,200,000	\$ 27,823
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 1	\$ 158,000	\$ 2
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 568	\$ 24,875,000	\$ 733
					Total	\$ 63,075	\$ 299,358,802	\$ 140,430



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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353104	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	
1353105	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	
1353106	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	6/1/2011	6/1/2011		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		Yes
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		No
	HALSTEAD SOUTH BUS (HALSTD1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2010	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	Summit to Saline County 230/115 kV	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353104	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353105	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1353106	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353104	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes
	1353105	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement		6/1/2009	6/1/2011		
East Manhattan - SW Manhattan 115kv Displacement		6/1/2009	6/1/2011		
EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement		6/1/2009	6/1/2011		
EAST MANHATTAN 115KV Capacitor		6/1/2009	6/1/2011		
East Manhattan to Mcdowell 230 kV Displacement		6/1/2009	6/1/2011		
STRANGER CREEK - NW LEAVENWORTH 115KV		6/1/2009	6/1/2010		
TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement		6/1/2009	6/1/2010		
WICHITA - RENO 345KV		6/1/2008	6/1/2009		Yes
1353106		CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009	
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kv Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
MIDW AG3-2007-090

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	1353110	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	\$ 450,000	\$ -	\$ 3,997,352	\$ 13,554,263
									\$ 450,000	\$ -	\$ 3,997,352	\$ 13,554,263

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353110	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 210,342	\$ 18,400,000	\$ 746,845
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 210,342	\$ 18,400,000	\$ 763,916
	BELOIT - CONCORDIA 115kV CKT 1	6/1/2009	6/1/2011			\$ 466,189	\$ 9,990,000	\$ 1,715,680
	CONCORDIA - JEWELL 3 115kV CKT 1	6/1/2011	6/1/2011			\$ 543,885	\$ 11,610,000	\$ 1,987,893
	JEWELL 3 - SMITH CENTER 115kV CKT 1	6/1/2013	6/1/2013			\$ 948,962	\$ 15,255,000	\$ 3,046,294
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 39,744	\$ 62,740,155	\$ 119,254
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 1,091	\$ 1,722,356	\$ 2,835
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 2,904	\$ 1,012,811	\$ 7,544
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 17,779	\$ 6,200,480	\$ 46,186
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 423,410	\$ 23,300,000	\$ 1,604,049
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 72,688	\$ 4,000,000	\$ 258,088
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 621,199	\$ 82,800,000	\$ 2,128,610
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 414,133	\$ 55,200,000	\$ 1,075,829
	STANTON SUB - TUCO INTERCHANGE 115kV CKT 1	12/1/2012	12/1/2012			\$ 64	\$ 158,000	\$ 197
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 24,619	\$ 24,875,000	\$ 51,043
<b>Total</b>						<b>\$ 3,997,352</b>	<b>\$ 335,663,802</b>	<b>\$ 13,554,263</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353110	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353110	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353110	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to McDowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
MIDW AG3-2007-091

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	1353111	WR	WR	25	1/1/2009	1/1/2029	6/1/2011	6/1/2031	\$ 450,000	\$ -	\$ 3,997,352	\$ 13,952,279
									\$ 450,000	\$ -	\$ 3,997,352	\$ 13,952,279

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353111	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 210,342	\$ 18,400,000	\$ 771,165
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 210,342	\$ 18,400,000	\$ 785,738
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 466,189	\$ 9,990,000	\$ 1,764,442
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 543,885	\$ 11,610,000	\$ 2,053,753
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 948,962	\$ 15,255,000	\$ 3,145,493
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 39,744	\$ 62,740,155	\$ 122,947
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 1,091	\$ 1,722,356	\$ 2,889
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 2,904	\$ 1,012,811	\$ 7,689
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 17,779	\$ 6,200,480	\$ 47,074
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 423,410	\$ 23,300,000	\$ 1,657,192
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 72,688	\$ 4,000,000	\$ 266,492
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 621,199	\$ 82,800,000	\$ 2,178,055
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 414,133	\$ 55,200,000	\$ 1,096,524
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 64	\$ 158,000	\$ 203
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 24,619	\$ 24,875,000	\$ 52,623
<b>Total</b>						<b>\$ 3,997,352</b>	<b>\$ 335,663,802</b>	<b>\$ 13,952,279</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353111	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		No
	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	12/1/2009	6/1/2011		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	LYONS - WHEATLAND 115KV CKT 1	6/1/2013	6/1/2013		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	PRATT 115KV	6/1/2009	6/1/2010		No
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		Yes
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353111	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353111	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		Yes
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		Yes
	East Manhattan to McDowell 230 kV Displacement	6/1/2009	6/1/2011		Yes
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		Yes

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

Customer Study Number  
 OMPA AG3-2007-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1350945	OKGE	OKGE	23	5/1/2008	5/1/2017	6/1/2011	6/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1350945	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	COD	EOC	Earliest Service Date	Redispatch Available
1350945	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2008	6/1/2011		Yes
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		Yes
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	6/1/2008	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1350945	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	Johnston Co 345/138 Transformer Ckt 1	6/1/2016	6/1/2016		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2008	6/1/2011		No
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		No

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

Customer Study Number  
 PWX AG3-2007-014

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
PWX	1331353	BLKW	KCPL	52	1/1/2010	1/1/2011	6/1/2011	6/1/2012	\$ -	\$ 549,120	\$ 107,331	\$ 242,855
									\$ -	\$ 549,120	\$ 107,331	\$ 242,855

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1331353	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 83,285	\$ 950,000	\$ 197,441
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2010	6/1/2010			\$ 24,046	\$ 180,000	\$ 45,414
<b>Total</b>						<b>\$ 107,331</b>	<b>\$ 1,130,000</b>	<b>\$ 242,855</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1331353	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2008	6/1/2011		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	6/1/2008	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1 #1	1/1/2010	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1331353	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	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	COD	EOC	Earliest Service Date	Redispatch Available
1331353	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		

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

Customer Study Number  
SPSM AG3-2007-080

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
SPSM	1353054	WPEK	KCPL	50	10/1/2008	6/1/2010	6/1/2011	2/1/2013	\$ -	\$ 880,000	\$ -	\$ -
SPSM	1353055	WPEK	KCPL	50	10/1/2008	6/1/2010	6/1/2011	2/1/2013	\$ -	\$ 880,000	\$ -	\$ -
									\$ -	\$ 1,760,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353054	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
1353055	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353054	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		
	PRATT 115KV	6/1/2009	6/1/2010		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		
1353055	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011		
	PRATT 115KV	6/1/2009	6/1/2010		
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008		

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
1353054	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1353055	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353054	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		
1353055	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011		

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

Customer Study Number  
SPSM AG3-2007-081

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	1353057	WPEK	KCPL	50	6/1/2010	1/1/2012	6/1/2011	1/1/2013	\$ -	\$ 836,000	\$ 14,702,190	\$ 29,584,231
SPSM	1353059	WPEK	KCPL	50	6/1/2010	1/1/2012	6/1/2011	1/1/2013	\$ -	\$ 836,000	\$ 14,702,190	\$ 29,584,231
									\$ -	\$ 1,672,000	\$ 29,404,380	\$ 59,168,462

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353057	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 680,742	\$ 18,400,000	\$ 1,235,059
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 680,742	\$ 18,400,000	\$ 1,416,169
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 97,651	\$ 950,000	\$ 237,220
	MEDICINE LODGE - HARPER 138kV CKT 1	12/1/2012	12/1/2012			\$ 22,924	\$ 500,000	\$ 33,698
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 29,688	\$ 1,012,811	\$ 54,302
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 181,748	\$ 6,200,480	\$ 332,438
	PLATTE CITY - SMITHVILLE 161kV CKT 1	6/1/2010	6/1/2010			\$ 25,079	\$ 180,000	\$ 48,512
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 1,072,021	\$ 23,300,000	\$ 2,075,600
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 184,038	\$ 4,000,000	\$ 333,897
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 7,036,534	\$ 82,800,000	\$ 15,236,939
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 4,691,023	\$ 55,200,000	\$ 8,580,397
				Total	\$ 14,702,190	\$ 210,943,291	\$ 29,584,231	
1353059	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 680,742	\$ 18,400,000	\$ 1,235,059
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 680,742	\$ 18,400,000	\$ 1,416,169
	Craig 161kV add 90MVAR cap	6/1/2010	6/1/2010			\$ 97,651	\$ 950,000	\$ 237,220
	MEDICINE LODGE - HARPER 138kV CKT 1	12/1/2012	12/1/2012			\$ 22,924	\$ 500,000	\$ 33,698
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 29,688	\$ 1,012,811	\$ 54,302
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 181,748	\$ 6,200,480	\$ 332,438
	PLATTE CITY - SMITHVILLE 161kV CKT 1	6/1/2010	6/1/2010			\$ 25,079	\$ 180,000	\$ 48,512
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 1,072,021	\$ 23,300,000	\$ 2,075,600
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 184,038	\$ 4,000,000	\$ 333,897
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 7,036,534	\$ 82,800,000	\$ 15,236,939
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 4,691,023	\$ 55,200,000	\$ 8,580,397
				Total	\$ 14,702,190	\$ 210,943,291	\$ 29,584,231	

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	
1353057	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010			
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011			
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011			
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010			
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	6/1/2008	6/1/2009			
	HARPER CAPACITOR	6/1/2008	6/1/2010			
	KINSLEY CAPACITOR	6/1/2008	6/1/2010			
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2011			
	PRATT 115KV	6/1/2009	6/1/2010			
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2011			
	ST JOHN CAPACITOR	6/1/2008	6/1/2010			
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2008			
	1353059	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		
		BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1		6/1/2008	6/1/2011			
CLAY CENTER - GREENLEAF 115KV CKT 1		6/1/2008	6/1/2011			
Craig 161kV 50MVar Cap Bank		6/1/2010	6/1/2010			
GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1		6/1/2008	6/1/2009			
HARPER CAPACITOR		6/1/2008	6/1/2010			
KINSLEY CAPACITOR		6/1/2008	6/1/2010			
MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1		6/1/2008	6/1/2011			
PRATT 115KV		6/1/2009	6/1/2010			
REDEL - STILWELL 161KV CKT 1		6/1/2008	6/1/2011			
ST JOHN CAPACITOR		6/1/2008	6/1/2010			
STRANGER CREEK TRANSFORMER CKT 2		6/1/2009	6/1/2010			
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		12/1/2012	12/1/2012			
WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11		6/1/2008	6/1/2008			



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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	
1353057	COOK - LAKE ROAD 161KV CKT 1	12/1/2012	12/1/2012			
	COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010			
	EAST - INDUSTRIAL PARK 161KV CKT 1	12/1/2012	12/1/2012			
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	6/1/2008	6/1/2010			
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011			
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			
	LONGVIEW - SAMPSON 161KV CKT 1	6/1/2011	6/1/2011			
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2011			
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012			
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010			
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010			
	1353059	COOK - LAKE ROAD 161KV CKT 1	12/1/2012	12/1/2012		
		COOK - ST JOE 161KV CKT 1	6/1/2009	6/1/2010		
		EAST - INDUSTRIAL PARK 161KV CKT 1	12/1/2012	12/1/2012		
GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2		6/1/2008	6/1/2010			
GRANDVIEW EAST - SAMPSON 161KV CKT 1		6/1/2011	6/1/2011			
IATAN - STRANGER CREEK 345KV CKT 2		6/1/2012	6/1/2012			
LONGVIEW - SAMPSON 161KV CKT 1		6/1/2011	6/1/2011			
MARTIN CITY - REDEL 161KV CKT 1		6/1/2009	6/1/2011			
MEDICINE LODGE - SUN CITY 115KV CKT 1		12/1/2012	12/1/2012			
STRANGER CREEK - NW LEAVENWORTH 115KV		6/1/2009	6/1/2010			
TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement		6/1/2009	6/1/2010			

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

Customer Study Number  
WFEC AG3-2007-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1351242	WFEC	WFEC	150	5/1/2009	5/1/2039	6/1/2011	6/1/2041	\$ 27,000,000	\$ -	\$ 45,047,549	\$ 177,409,557
									\$ 27,000,000	\$ -	\$ 45,047,549	\$ 177,409,557

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1351242	CIMARRON - JENSEN TAP 138KV CKT 1	6/1/2017	6/1/2017			\$ 592,549	\$ 4,500,000	\$ 2,452,546
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2015	6/1/2015			\$ 447,138	\$ 850,000	\$ 2,183,795
	IMO TAP - SOUTH 4TH ST 138KV CKT 1	6/1/2016	6/1/2016			\$ 52,534	\$ 100,000	\$ 235,353
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 7,510,032	\$ 62,740,155	\$ 30,587,385
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 206,167	\$ 1,722,356	\$ 651,407
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 182,282	\$ 1,012,811	\$ 575,940
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,115,939	\$ 6,200,480	\$ 3,525,933
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 20,468,854	\$ 82,800,000	\$ 89,710,140
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 13,645,903	\$ 55,200,000	\$ 43,115,745
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 219	\$ 158,000	\$ 916
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 88,119	\$ 24,875,000	\$ 247,992
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2013	6/1/2013			\$ 737,813	\$ 1,500,000	\$ 4,122,405
<b>Total</b>						<b>\$ 45,047,549</b>	<b>\$ 241,658,802</b>	<b>\$ 177,409,557</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1351242	ANADARKO - CYRIL 69KV CKT 1	6/1/2009	6/1/2011		
	ATOKA - LANE 138KV CKT 1	6/1/2013	6/1/2013		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	Commanche Cap Bank Addition	6/1/2010	6/1/2010		
	CYRIL - MEDICINE PARK JCT 69KV CKT 1	6/1/2009	6/1/2011		
	FLETCHER - MARLOW JCT 69KV CKT 1	6/1/2010	6/1/2011		
	FLETCHER - MEDICINE PARK JCT 69KV CKT 1	6/1/2010	6/1/2011		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		
	Frederick 69kV	6/1/2017	6/1/2017		
	HAMMETT - MEEKER 138KV CKT 1	6/1/2009	6/1/2011		
	LATTA CAP BANK	6/1/2012	6/1/2012		
	LITTLE AXE - NOBLE 138KV CKT 1	6/1/2012	6/1/2012		
	Norman Area Voltage Conversion	6/1/2011	6/1/2011		
	PHAROAH - WELEETKA 138KV CKT 1 SWPA	6/1/2012	6/1/2012		
	PHAROAH - WELEETKA 138KV CKT 1 WFEC	6/1/2012	6/1/2012		
	Rush Spring SW Cap Bank	6/1/2009	6/1/2010		
	RUSSEL SWITCH CAP BANK	6/1/2013	6/1/2013		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	TWIN LAKES CAP BANK	6/1/2013	6/1/2013		
	WOODWARD - WOODWARD 69KV CKT 1	12/1/2009	6/1/2011		

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
1351242	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1351242	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2014	6/1/2014		
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2009	6/1/2011		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		

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

Customer Study Number  
WFEC AG3-2007-075

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	1353018	WFEC	SPS	400	1/1/2013	1/1/2043			\$ 51,327,410	\$ 208,944,000	\$ 51,327,410	\$ 226,611,918
									\$ 51,327,410	\$ 208,944,000	\$ 51,327,410	\$ 226,611,918

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353018	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 1,905,925	\$ 18,400,000	\$ 10,839,319
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 1,905,925	\$ 18,400,000	\$ 10,351,558
	CIMARRON - JENSEN TAP 138KV CKT 1	6/1/2017	6/1/2017			\$ 2,949,488	\$ 4,500,000	\$ 14,117,715
	ELDORADO - ELDORADO JCT 69KV CKT 1	6/1/2015	6/1/2015			\$ 2,600,000	\$ 2,600,000	\$ 8,664,004
	ELDORADO - LAKE PAULINE 69KV CKT 1 Displacement	12/1/2012	12/1/2012			3,989	3,989	\$ 14,025
	ELDORADO JCT - GYPSUM 69KV CKT 1	6/1/2015	6/1/2015			\$ 1,800,000	\$ 1,800,000	\$ 5,998,157
	GYPSUM - RUSSELL 69KV CKT 1 Displacement	6/1/2014	6/1/2014			22,884	22,884	\$ 77,930
	LAKE PAULINE - RUSSELL 138KV CKT 1 Displacement	6/1/2014	6/1/2014			2,401	2,401	\$ 8,021
	Lovington Plant - Yoakum 230kV Ckt 1	12/1/2012	12/1/2012			\$ 6,191,951	\$ 42,000,000	\$ 28,383,436
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 18,796,644	\$ 62,740,155	\$ 86,977,800
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 516,010	\$ 1,722,356	\$ 1,746,075
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 181,159	\$ 1,012,811	\$ 613,008
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 1,109,067	\$ 6,200,480	\$ 3,752,867
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 3,074,196	\$ 23,300,000	\$ 18,658,166
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 527,759	\$ 4,000,000	\$ 3,001,455
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 1,249,048	\$ 82,800,000	\$ 6,002,952
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 832,699	\$ 55,200,000	\$ 2,817,691
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 65,793	\$ 158,000	\$ 312,551
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 7,592,472	\$ 24,875,000	\$ 24,275,188
<b>Total</b>						\$ 51,327,410	\$ 349,738,076	\$ 226,611,918

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353018	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	6/1/2017	6/1/2017		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	Hitchland Interchange Project	12/1/2012	12/1/2012		
	LATTA CAP BANK	6/1/2012	6/1/2012		
	PRATT 115KV	6/1/2009	6/1/2010		
	RUSSEL SWITCH CAP BANK	6/1/2013	6/1/2013		
	Sherman - Dalhart 115 kv	12/1/2012	12/1/2012		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1 #1	1/1/2010	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kv	12/1/2012	12/1/2012		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	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	COD	EOC	Earliest Service Date	Redispatch Available
1353018	HUGO POWER PLANT - VALLIANT 345 KV AEPW	6/1/2011	6/1/2011		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	6/1/2011	6/1/2011		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353018	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2014	6/1/2014		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2008		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1353018	N.PLATT7 115,00 - STOCKVL7 115,00 115KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
<b>Total</b>						\$ -	\$ -

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

Customer Study Number  
WFEC AG3-2007-076

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	1353020	SPS	WFEC	350	1/1/2013	1/1/2043			\$ -	\$ 259,560,000	\$ 275,227,901	\$ 1,217,419,842
									\$ -	\$ 259,560,000	\$ 275,227,901	\$ 1,217,419,842

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1353020	CIMARRON - JENSEN TAP 138KV CKT 1	6/1/2017	6/1/2017			\$ 957,963	\$ 4,500,000	\$ 4,585,287
	EL RENO - EL RENO SW 69KV CKT 1	6/1/2013	6/1/2013			\$ 1,500,000	\$ 1,500,000	\$ 5,218,263
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2015	6/1/2015			\$ 402,862	\$ 850,000	\$ 2,275,472
	IMO TAP - SOUTH 4TH ST 138KV CKT 1	6/1/2016	6/1/2016			\$ 47,466	\$ 100,000	\$ 245,932
	Lovington Plant - Hobbs 230kV Ckt 1	12/1/2012	12/1/2012			\$ 34,500,000	\$ 34,500,000	\$ 158,145,396
	Lovington Plant - Lea County 230kV Ckt 1	12/1/2012	12/1/2012			\$ 42,000,000	\$ 42,000,000	\$ 192,524,830
	Lovington Plant - Yoakum 230kV Ckt 1	12/1/2012	12/1/2012			\$ 35,808,049	\$ 42,000,000	\$ 164,141,394
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 33,258,170	\$ 62,740,155	\$ 153,895,690
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 913,010	\$ 1,722,356	\$ 3,089,448
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 504,601	\$ 1,012,811	\$ 1,707,472
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 3,089,195	\$ 6,200,480	\$ 10,453,231
	PLANT X STATION - TOLK STATION EAST 230KV CKT 2	12/1/2012	12/1/2012			\$ -	\$ -	\$ -
	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -	\$ -
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 33,133,818	\$ 82,800,000	\$ 159,241,865
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 22,089,212	\$ 55,200,000	\$ 74,745,574
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 88,326	\$ 158,000	\$ 419,595
	Tolk - Eddy 345kV Tap	12/1/2012	12/1/2012			\$ 50,648,645	\$ 51,000,000	\$ 232,169,566
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 15,524,396	\$ 24,875,000	\$ 49,635,697
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2013	6/1/2013			\$ 762,187	\$ 1,500,000	\$ 4,925,130
						\$ 275,227,901	\$ 412,658,802	\$ 1,217,419,842

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1353020	BC-EARTH INTERCHANGE 115KV	6/1/2016	6/1/2016		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2009	6/1/2010		
	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	6/1/2014	6/1/2014		
	DENVER CITY INTERCHANGE N. - TERRY COUNTY INTERCHANGE 115KV CKT 1	6/1/2013	6/1/2013		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2010	6/1/2010		
	Hitchland Interchange Project	12/1/2012	12/1/2012		
	Sherman - Dalhart 115 kv	12/1/2012	12/1/2012		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1 #1	1/1/2010	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kv	12/1/2012	12/1/2012		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	TWIN LAKES CAP BANK	6/1/2013	6/1/2013		
	WOODWARD - WOODWARD 69KV CKT 1	12/1/2009	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	COD	EOC	Earliest Service Date	Redispatch Available
1353020	Johnston Co 345/138 Transformer Ckt 1	6/1/2016	6/1/2016		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	12/1/2012	12/1/2012		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		

Some costs may later be allocated as Generation interconnection costs for GEN-2007-054

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

Customer Study Number  
 WRGS AG3-2007-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1346837	SECI	WR	96	11/1/2008	11/1/2018	6/1/2011	6/1/2021	\$ 1,728,000	\$ -	\$ 27,049,376	\$ 67,345,776
									\$ 1,728,000	\$ -	\$ 27,049,376	\$ 67,345,776

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1346837	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 277,606	\$ 18,400,000	\$ 714,778
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 277,606	\$ 18,400,000	\$ 769,577
	BELOIT - CONCORDIA 115KV CKT 1	6/1/2009	6/1/2011			\$ 5,161,255	\$ 9,990,000	\$ 14,491,655
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2017	6/1/2017			\$ 708,245	\$ 1,446,000	\$ 1,062,878
	CONCORDIA - JEWELL 3 115KV CKT 1	6/1/2011	6/1/2011			\$ 6,021,440	\$ 11,610,000	\$ 15,967,397
	Craig 161kV add 90MVar cap	6/1/2010	6/1/2010			\$ 60,127	\$ 950,000	\$ 205,685
	ENA - TIOGA 69KV CKT 1	6/1/2017	6/1/2017			\$ 128,357	\$ 250,000	\$ 193,296
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1 Displacement	6/1/2010	6/1/2011			\$ 3,214	\$ 31,162	\$ 7,498
	GILL ENERGY CENTER WEST - WACO 138KV CKT 1	6/1/2017	6/1/2017			\$ 404,925	\$ 1,000,000	\$ 586,278
	JEWELL 3 - SMITH CENTER 115KV CKT 1	6/1/2013	6/1/2013			\$ 10,502,947	\$ 15,255,000	\$ 24,449,604
	MEDICINE LODGE - HARPER 138KV CKT 1	12/1/2012	12/1/2012			\$ 26,816	\$ 500,000	\$ 55,944
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 87,945	\$ 62,740,155	\$ 196,829
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 2,414	\$ 1,722,356	\$ 5,270
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 6,723	\$ 1,012,811	\$ 14,675
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 41,160	\$ 6,200,480	\$ 89,842
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 765,013	\$ 23,300,000	\$ 2,102,680
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 131,333	\$ 4,000,000	\$ 338,155
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 1,437,065	\$ 82,800,000	\$ 3,929,570
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 958,043	\$ 55,200,000	\$ 2,091,170
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 123	\$ 158,000	\$ 283
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 47,018	\$ 24,875,000	\$ 72,712
Total						\$ 27,049,376	\$ 339,840,964	\$ 67,345,776

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1346837	ALTAMONT 138KV	6/1/2010	6/1/2010		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		
	PRATT 115KV	6/1/2009	6/1/2010		
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	SUB 124 - AURORA H.T. 161KV	6/1/2014	6/1/2014		
	SUB 438 - RIVERSIDE 161KV	6/1/2014	6/1/2014		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		

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
1346837	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1346837	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVAR	12/1/2009	6/1/2011		
	ROSEHILL - SOONER 345KV CKT 1 OKGE	11/1/2008	1/1/2011		
	ROSEHILL - SOONER 345KV CKT 1 WERE	11/1/2008	1/1/2011		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		

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

Customer Study Number  
 WRGS AG3-2007-026

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1346842	SECI	WR	100	12/31/2008	12/31/2018	6/1/2011	6/1/2021	\$ 1,800,000	\$ -	\$ 44,163,163	\$ 114,946,025
									\$ 1,800,000	\$ -	\$ 44,163,163	\$ 114,946,025

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1346842	Barber County - Evans South 138kV WEPL	6/1/2008	6/1/2012			\$ 10,716,723	\$ 18,400,000	\$ 27,593,333
	Barber County - Evans South 138kV WERE	6/1/2008	6/1/2012			\$ 10,716,723	\$ 18,400,000	\$ 29,708,818
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2017	6/1/2017			\$ 737,755	\$ 1,446,000	\$ 1,107,165
	ENA - TIOGA 69KV CKT 1	6/1/2017	6/1/2017			\$ 121,643	\$ 250,000	\$ 183,185
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1 Displacement	6/1/2010	6/1/2011			\$ 27,948	\$ 31,162	\$ 65,204
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 Displacement	6/1/2010	6/1/2011			\$ 354,678	\$ 354,678	\$ 837,721
	GILL ENERGY CENTER WEST - WACO 138KV CKT 1	6/1/2017	6/1/2017			\$ 574,458	\$ 1,000,000	\$ 831,740
	MEDICINE LODGE - HARPER 138KV CKT 1	12/1/2012	12/1/2012			\$ 427,336	\$ 500,000	\$ 891,508
	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1	12/1/2008	6/1/2010			\$ 3,200,000	\$ 3,200,000	\$ 7,856,709
	Mooreland - TUCO 345 kV SPS	12/1/2012	6/1/2013			\$ 263,555	\$ 62,740,155	\$ 589,857
	Mooreland - TUCO 345 kV WFEC	12/1/2012	6/1/2013			\$ 7,235	\$ 1,722,356	\$ 15,792
	Mooreland 345/138 kV Transformer CKT 1 Displacement	12/1/2012	6/1/2013			\$ 11,684	\$ 1,012,811	\$ 25,502
	Mooreland 345/138 kV Transformer CKT 2	12/1/2012	6/1/2013			\$ 71,527	\$ 6,200,480	\$ 156,126
	Pratt - Barber County 138kV	12/1/2008	6/1/2011			\$ 10,536,340	\$ 23,300,000	\$ 28,959,712
	Pratt 115/138 kV XFMR	6/1/2008	6/1/2012			\$ 1,808,814	\$ 4,000,000	\$ 4,657,320
	Spearville - Mooreland 345 kV SUNC	12/1/2012	6/1/2013			\$ 2,712,477	\$ 82,800,000	\$ 7,417,109
	Spearville - Mooreland 345 kV WFEC	12/1/2012	6/1/2013			\$ 1,808,318	\$ 55,200,000	\$ 3,947,109
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	12/1/2012	12/1/2012			\$ 169	\$ 158,000	\$ 388
	Tuco - Tolk 345kV	12/1/2012	6/1/2013			\$ 65,780	\$ 16,532,988	\$ 101,727
<b>Total</b>						<b>\$ 44,163,163</b>	<b>\$ 297,248,630</b>	<b>\$ 114,946,025</b>

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1346842	ALTAMONT 138KV	6/1/2010	6/1/2010		
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2011		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV	6/1/2008	6/1/2011		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	6/1/2008	6/1/2011		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 &	10/1/2008	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	6/1/2008	6/1/2011		
	GILLJCT2 - OATVILLE 69KV CKT 1	6/1/2008	6/1/2011		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	HOOVER NORTH (HOOVER1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2010	6/1/2011		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010		
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		
	PRATT 115KV	6/1/2009	6/1/2010		
	RUSSEL SWITCH CAP BANK	6/1/2013	6/1/2013		
	SOUTHGATE - SUMMIT 115KV CKT 1	6/1/2008	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2010		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		

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
1346842	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1346842	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	12/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	12/1/2009	6/1/2010		
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	6/1/2009	6/1/2011		
	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		
	EAST MANHATTAN 115KV Capacitor	6/1/2009	6/1/2011		
	East Manhattan to Mcdowell 230 kV Displacement	6/1/2009	6/1/2011		
	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 69 kV 15 MVA	12/1/2009	6/1/2011		
	MOREWOOD AREA CONVERSION	6/1/2013	6/1/2013		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	6/1/2009	6/1/2010		
	WICHITA - RENO 345KV	6/1/2008	6/1/2009		



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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	COFFEYVILLE FARMLAND - DELAWARE 138KV CKT 1	Replace Delaware Switches	06/01/12	06/01/12	\$ 100,000
AEPW	COFFEYVILLE FARMLAND - SOUTH COFFEYVILLE CITY 138KV CKT 1	Rebuild 6.22 miles of 795 ACSR with 1590 ACSR.	06/01/12	06/01/12	\$ 6,200,000
AEPW	COFFEYVILLE TAP - SOUTH COFFEYVILLE CITY 138KV CKT 1	Rebuild 6 miles of 556 ACSR with 1590 ACSR.	06/01/10	06/01/11	\$ 6,000,000
AEPW	LINWOOD - POWELL STREET 138KV CKT 1	Replace Breaker, Switches, & Jumpers @ Linwood. Replace circuit switcher @ Powell Street	06/01/09	06/01/10	\$ 500,000
AEPW	NORTHEAST STATION - WATOVA 138KV CKT 1	Replace Northeastern Station Wavetrap	06/01/11	06/01/11	\$ 125,000
AEPW	NOWATA - WATOVA 138KV CKT 1	Replace Nowata Wavetrap	06/01/12	06/01/12	\$ 125,000
GRDA	COFFEYVILLE FARMLAND (COFAUTO1) 138/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/08	06/01/10	\$ -
GRDA	COFFEYVILLE FARMLAND (COFAUTO2) 138/69/13.8KV TRANSFORMER CKT 2	Indeterminate	06/01/08	06/01/10	\$ -
KACP	CRAIG - PFLUMM 161KV CKT 1	Replace with higher rated breaker at Pflumm	06/01/17	06/01/17	\$ 200,000
KACP	Craig 161kV add 90MVAR cap	Increase the size of the Craig 161kV cap bank and add an additional 70 MVAR at Craig 161kV	06/01/10	06/01/10	\$ 950,000
MIPU	PLATTE CITY - SMITHVILLE 161KV CKT 1	Replace wavetrap	06/01/10	06/01/10	\$ 180,000
OKGE	CIMARRON - JENSEN TAP 138KV CKT 1	Rebuild 9.42 miles of line to 795AS33	06/01/17	06/01/17	\$ 4,500,000
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to at least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.	06/01/15	06/01/15	\$ 850,000
OKGE	IMO TAP - SOUTH 4TH ST 138KV CKT 1	Increase CTR at So. 4th to 1200A.	06/01/16	06/01/16	\$ 100,000
OKGE	WAUKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.	06/01/13	06/01/13	\$ 1,500,000
SPS	Lovington Plant - Hobbs 230kV Ckt 1	From Lovington plant; 25 miles of 230kV (insulated at 345kV) to Hobbs station	12/01/12	12/01/12	\$ 34,500,000
SPS	Lovington Plant - Lea County 230kV Ckt 1	From Lovington plant; Build an in and out to a 50% intercept point on the Yoakum - Lea County 230kV line; 40 additional miles of 230kV (insulated at 345kV) to Yoakum	12/01/12	12/01/12	\$ 42,000,000
SPS	Lovington Plant - Yoakum 230kV Ckt 1	From Lovington plant; Build an in and out to a 50% intercept point on the Yoakum - Lea County 230kV line; 40 additional miles of 230kV (insulated at 345kV) to Lea County	12/01/12	12/01/12	\$ 42,000,000
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures.	12/01/12	06/01/13	\$ 62,740,155
SPS	PLANT X STATION - TOLK STATION EAST 230KV CKT 2	Replace Terminal Equipment	12/01/12	12/01/12	\$ -
SPS	PLANT X STATION - TOLK STATION WEST 230KV CKT 1	Replace Terminal Equipment	12/01/12	12/01/12	\$ -
SPS	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	Replace Terminal Equipment	12/01/12	12/01/12	\$ 158,000
SPS	Tolk - Eddy 345kV Tap	From the Lovington plant; 30 miles of 230kV (insulated at 345kV) to a point on the Tolk - Eddy 345kV line; 345/230kV stepdown at the intercept point	12/01/12	12/01/12	\$ 51,000,000
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk	12/01/12	12/01/12	\$ 16,532,988
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	12/01/12	12/01/12	\$ 82,800,000
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	Replace wave trap, disconnect switches, current transformers, and breaker. Bus will limit rating to 1340 amps.	10/01/08	06/01/10	\$ 325,000
WEPL	Barber County - Evans South 138kV WEPL	Build new 68.4 mile line 138 kV from Barber County to Evans South.	06/01/08	06/01/12	\$ 18,400,000
WEPL	CONCORDIA - JEWELL 3 115KV CKT 1	Barber County Taps the the Medicine Lodge to Harper 138 kV line	06/01/11	06/01/11	\$ 11,610,000
WEPL	JEWELL 3 - SMITH CENTER 115KV CKT 1	Rebuild line	06/01/13	06/01/13	\$ 15,255,000
WEPL	MEDICINE LODGE - HARPER 138KV CKT 1	Replace terminal equipment	12/01/12	12/01/12	\$ 500,000
WEPL	MEDICINE LODGE 138/115KV TRANSFORMER CKT 1	Upgrade to 100MVA transformer	12/01/08	06/01/10	\$ 3,200,000
WEPL	Pratt - Barber County 138kV	Build new 38.4 mile line 138 kV from Pratt to Barber County. Barber County Taps the the Medicine Lodge to Harper 138 kV line	12/01/08	06/01/11	\$ 23,300,000
WEPL	Pratt 115/138 kV XFMR	New 115/138kV XFMR at Pratt	06/01/08	06/01/12	\$ 4,000,000
WERE	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV CKT 1	Rebuild 1.97 miles from 95th & Waverly-East SAAP Jct 115 kV line.	06/01/11	06/01/11	\$ 550,000
WERE	Barber County - Evans South 138kV WERE	Build new 68.4 mile line 138 kV from Barber County to Evans South.	06/01/08	06/01/12	\$ 18,400,000
WERE	BELOIT - CONCORDIA 115KV CKT 1	Barber County Taps the the Medicine Lodge to Harper 138 kV line	06/01/09	06/01/11	\$ 9,990,000
WERE	CHANUTE TAP - TIOGA 69KV CKT 1	Rebuild line	06/01/17	06/01/17	\$ 1,446,000
WERE	ENA - TIOGA 69KV CKT 1	Rebuild	06/01/17	06/01/17	\$ 250,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1 Displacement	Replace bus & jumpers at ENA 69 kV substation	06/01/10	06/01/11	\$ 31,162
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 Displacement	Replace wave trap	06/01/10	06/01/11	\$ 31,162
WERE	GILL ENERGY CENTER WEST - WACO 138KV CKT 1	Rebuild 5.56-mile line, 954 ACSR	06/01/10	06/01/11	\$ 354,678
WFEC	EL RENO - EL RENO SW 69KV CKT 1	Rebuild line	06/01/17	06/01/17	\$ 1,000,000
WFEC	EL DORADO - ELDORADO JCT 69KV CKT 1	Rebuild 1/0 to 336 ACSR - 6.5 miles	06/01/13	06/01/13	\$ 1,500,000
WFEC	EL DORADO - LAKE PAULINE 69KV CKT 1 Displacement	Rebuild 1/0 to 336 ACSR - 11.5 miles	06/01/15	06/01/15	\$ 2,600,000
WFEC	EL DORADO - LAKE PAULINE 69KV CKT 1 Displacement	Upgrade Terminal Equipment at Lake Pauline CTs	12/01/12	12/01/12	\$ 3,989
WFEC	EL DORADO JCT - GYPSUM 69KV CKT 1	Rebuild 1/0 to 336 ACSR - 8.0 miles	06/01/15	06/01/15	\$ 1,800,000
WFEC	GYPSUM - RUSSELL 69KV CKT 1 Displacement	Reconductor 1/0 to 336 ACSR - 3.1 miles	06/01/14	06/01/14	\$ 22,884
WFEC	LAKE PAULINE - RUSSELL 138KV CKT 1 Displacement	Upgrade Terminal Equipment (Adjust CTs)	06/01/14	06/01/14	\$ 2,401
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	12/01/12	12/01/12	\$ 1,722,356
WFEC	Mooreland 345/138 kV Transformer CKT 1 Displacement	New Mooreland 345/138 kV Transformer 1	12/01/12	12/01/12	\$ 1,012,811
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer 2	12/01/12	12/01/12	\$ 6,200,480
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	12/01/12	12/01/12	\$ 55,200,000

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

Construction Pending Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.				
Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
WERE	RENO - SUMMIT 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	06/01/08	06/01/09
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	used the IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	06/01/10	06/01/11
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	used the IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	06/01/10	06/01/11
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	01/01/09	06/01/09
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR.	12/01/09	06/01/10
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	01/01/09	06/01/09
AEPW	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	Replace Longwood Autotransformer	06/01/08	06/01/10
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	Rebuild 7.43 miles of 250 CWC with 795 ACSR	06/01/09	06/01/09
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	01/01/09	06/01/09
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	01/01/09	06/01/09
EMDE	SUB 170 - NICHOLS ST. - SUB 80 - MARSHFIELD JCT. 69KV CKT 1	Reconductor line from Sub #80 to Sub #170 from 1/0 CU to 556 ACSR and replace Jumpers in Sub #80	06/01/09	06/01/11
EMDE	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement	Change CT Settings for Rate B 61 MVA	12/01/12	12/01/12
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kv line to 345kv	06/01/12	06/01/12
KACP	MARTIN CITY - REDEL 161KV CKT 1	reconductor 1192 acss upgrade terminal equip 2000 amp	06/01/09	06/01/11
MIPU	COOK - LAKE ROAD 161KV CKT 1	Reconductor	12/01/12	12/01/12
MIPU	COOK - ST JOE 161KV CKT 1	Conductor, Switch, Relay	06/01/09	06/01/10
MIPU	EAST - INDUSTRIAL PARK 161KV CKT 1	increase clearance limit and replace switches	12/01/12	12/01/12
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2	Reconductor to Bundled Drake	06/01/08	06/01/10
MIPU	GRANDVIEW EAST - SAMPSON 161KV CKT 1	replace wavetraps	06/01/11	06/01/11
MIPU	LONGVIEW - SAMPSON 161KV CKT 1	replace wavetraps	06/01/11	06/01/11
OKGE	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	01/01/09	06/01/09
OKGE	Johnston Co 345/138 Transformer Ckt 1	Tap the Sunnyside - Pittsburg 345 line. Install 345/138 transformer at the tap point and build a 138kv line to Caney Creek	06/01/16	06/01/16
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Rebuild 7.43 miles of 250 CWC with 795 ACSR	06/01/09	06/01/09
OKGE	MUSKOGEE - PECAN CREEK 345KV CKT 1	Increase CT rati on at Pecan Creek from 800-5 to 2000-5 to allow a 1500 amp rating of line section.	06/01/08	06/01/08
OKGE	ROSEHILL - SOONER 345KV CKT 1 OKGE	New 345 kv line from Sooner to Oklahoma/Kansas	11/01/08	01/01/11
SPRM	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1 Displacement	Reconductor 1192 AAC with 954 ACSS/TW	06/01/12	06/01/12
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	12/01/12	12/01/12
WEPL	PHILLIPSBURG - RHOADES 115 KV	Install 35 miles 115 kv from Phillipsburgsubstation to Rhoades	06/01/08	06/01/09
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kv line.	06/01/08	06/01/10
WERE	ARKANSAS CITY - PARIS 69KV CKT 1	Tear down / rebuild 1.67-mile line. 954 kmil ACSR	06/01/13	06/01/13
WERE	BISMARK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1	Rebuild 5.2 miles 115 kv line from BISMARK3 to MIDLAND3	06/01/16	06/01/16
WERE	CIRCLE - RENO COUNTY 115KV CKT 2	Rebuild 6.25 mile line; 2x1192.5 kmil ACSR; Rebuild is part of proposed Wichita-Reno 345 kv project.	06/01/09	06/01/09
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	12/01/09	06/01/10
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	Replace Disconnect Switches, Wavetraps, Breaker, Jumpers	12/01/09	06/01/10
WERE	CRESWELL - OAK 69KV CKT 1	Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.	06/01/13	06/01/13
WERE	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement	Rebuild 27 miles 345kv construction operated as 230kv	06/01/09	06/01/11
WERE	East Manhattan - SW Manhattan 115kv Displacement	Build new 115kv line from East Manhattan to new SW Manhattan substation	06/01/09	06/01/11
WERE	EAST MANHATTAN (EMANH3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	Add second parallel 230-115kv transformer at E Manhattan	06/01/09	06/01/11
WERE	EAST MANHATTAN 115KV Capacitor	Install 1 - 30 MVar capacitor bank	06/01/09	06/01/11
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.	06/01/09	06/01/11
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	Replace Disconnect Switches, Wavetraps, Breaker, Jumpers	06/01/10	06/01/10
WERE	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kv with Athens Allen and Tioga 69 kv 15 MVAR Capacitor Additions	Rebuild 23.86 miles Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kv (138kv/69kv Operation) with Athens Allen and Tioga 69 kv 15 MVAR Capacitor Additions	12/01/09	06/01/11
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kv line but operate at 69 kv.	06/01/08	06/01/11
WERE	ROSEHILL - SOONER 345KV CKT 1 WERE	New 345 kv line from Oklahoma/Kansas Stateline to Rose Hill	11/01/08	01/01/11
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kv line and tap in & out of Stranger 115 kv	06/01/09	06/01/10
WERE	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 Displacement	Convert 161 kv Line to 115 kv Operation	06/01/09	06/01/10
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)	06/01/08	06/01/09
WERE	WICHITA - RENO 345KV	Build 345kv from Wichita to Reno Co	06/01/08	06/01/09
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	WFEC has plans to Increase CT Rating. Project should be inservice by 6/1/2008	06/01/14	06/01/14
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Unit	06/01/09	06/01/11
WFEC	MOREWOOD AREA CONVERSION	Sayre interconnects-Erick->Sweetwater-Durham-Brantley->Morewood to 138	06/01/13	06/01/13

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Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ARSENAL HILL - NORTH MARKET 69KV CKT 1	Rebuild 2.3 miles of 666 ACSR with 1272 ACSR	06/01/10	06/01/11
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	06/01/08	06/01/11
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR.	06/01/08	06/01/11
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1 #2	Replace line switches 5062 & 5072	06/01/08	06/01/10
AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1	Rebuild 7.8 miles with 2156 ACSR. Replace Longwood wavetraps jumpers	06/01/09	06/01/11
AEPW	LIEBERMAN - NORTH BENTON 138KV CKT 1	Rebuild 14.15 miles with 1590 ACSR. Replace wavetraps & breaker jumpers @ Lieberman. Reset CT @ Lieberman. Replace circuit switcher @ N. Benton. Replace five switches @ Lieberman.	06/01/14	06/01/14
AEPW	PORT ROBSON - REDPOINT 138KV	New 138 kV line from Port Robson - Red Point via McDade & Haughton. Convert McDade & Haughton to 138 kV.	06/01/10	06/01/12
AEPW	SOUTH SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Reset Relays @ South Shreveport	06/01/09	06/01/09
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	06/01/09	06/01/09
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 EMDE	Replace Jumpers to breaker #6950 at Blackhawk Jct.	06/01/14	06/01/14
EMDE	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1	Install new line from Sub #439 to new Sub Joplin 59.	06/01/10	06/01/12
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.	06/01/10	06/01/12
EMDE	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #124	06/01/09	06/01/09
EMDE	SUB 124 - AURORA H.T. 161KV	Install 3 - stages of 22 MVAR each for total of 66 MVAR capacitor bank at Aurora Sub #124 bus# 547537	06/01/14	06/01/14
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	Replace Disconnect Switches and Leads on Breaker #6965 at Sub #64 and #6932 at Sub #145	06/01/10	06/01/10
EMDE	SUB 152 - MONETT H.T. - SUB 383 - MONETT 69KV CKT 1	Replace 4/0 Cu jumpers with 500 MCM Cu. new Rate: 54 / 65	06/01/09	06/01/09
EMDE	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	Install new line from Sub #383 to new Sub MONETT 5. Install 3-wind transformer from 161 kV new bus to Monett city south 69kV	06/01/16	06/01/16
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	06/01/14	06/01/14
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	06/01/08	06/01/10
GRDA	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	06/01/10	06/01/10
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Add a second 50 MVA Transformer at Afton Substation.	06/01/09	06/01/10
GRDA	CLAREMORE (CLAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace existing transformer	06/01/08	06/01/10
GRDA	CLAREMORE (CLAUTO2) 161/69/13.8KV TRANSFORMER CKT 2	Replace existing transformer	06/01/08	06/01/10
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line to 1590 ACSR	06/01/09	06/01/10
GRDA	SALLISAW CAP BANK	Install cap bank	06/01/08	06/01/09
GRDA	SCoffeyville Capacitor	Add 7.2MVAR at South Coffeyville Bus 97001	06/01/08	06/01/08
GRDA	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line to 1590 ACSR	06/01/10	06/01/11
KACP	ANTIOCH - OXFORD 161KV CKT 1	Reconductor 5 miles with 1192.5 ACSS, 558 normal/emergency rating	06/01/08	06/01/09
KACP	CRAIG - LENEXA SOUTH 161KV CKT 1	Replace Lenexa R1-4 breaker	06/01/17	06/01/17
KACP	Craig 161kv 50Mvar Cap Bank	New Craig 542978 50 MVAR cap bank.	06/01/10	06/01/10
KACP	MERRIAM - ROELAND PARK 161KV CKT 1	reconductor with 1192 acsr; upgrade term equip 1200 A	06/01/15	06/01/15
KACP	REDEL - STILWELL 161KV CKT 1	Reconductor line with 1192 ACSS and upgrade terminal equipment for 2000 amps	06/01/08	06/01/11
KACP	WEST GARDNER (WGARD 11) 345-161-13. 8KV TRANSFORMER CKT 11	Replace 400/440 Mva Tx with 600/660 Mva Tx	06/01/08	06/01/08
MIDW	KINSLEY CAPACITOR	Install 12mvar capacitor at Kinsley	06/01/08	06/01/10
MIDW	LYONS - WHEATLAND 115KV CKT 1	Rebuild 19.4 miles	06/01/13	06/01/13
MIDW	ST JOHN CAPACITOR	Install 20MVAR capacitors at St. John	06/01/08	06/01/10
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Reconductor to Bundled Drake	06/01/08	06/01/10
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Upgrade to conductor Bundled Drake	06/01/08	06/01/10
MIPU	BLUE SPRINGS EAST CAP BANK	Add 50 MVAR cap bank at Blue Springs East	06/01/10	06/01/10
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #1	Wave Tap	06/01/08	06/01/08
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	06/01/08	06/01/11
MIPU	MIDWAY - ST JOE 161KV CKT 1	Upgrade to 795 26/7 ACSR Conductor	12/01/12	12/01/12
MIPU	South Harper - Freeman 69 kv	re-set the existing over current relay unit installed at South Harper 69 kv Sub to trip South Harper - Freeman 69 kv line	06/01/08	06/01/08
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS52.	06/01/09	06/01/10
OKGE	BONANZA - BONANZA TAP 161KV CKT 1	Rebuild 0.06 miles of 397 ACSR with 1272 ACSR & reset relay & CTs @ Bonanza or Bonanza T-Excelsior-Midland-N. Huntington 161 kV loop	06/01/10	06/01/10
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	06/01/09	06/01/10
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCC/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	06/01/09	06/01/11
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	Reconductor 1.27 miles of line to 1590AS52. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	06/01/10	06/01/10
SPRM	BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1	Reconductor 1192 AAC line with 954 ACSS/TW; Battlefield - Replace Switch; Battlefield - Replace Switch	06/01/17	06/01/17
SPRM	BROOKLINE - SPRINGFIELD 161KV CKT 1	Brookline - Replace switch and strain bus.	06/01/10	06/01/16
SPS	BC-EARTH INTERCHANGE 115KV	Install 25 Mvar cap at Bailey Co Earth 115 kv.	06/01/16	06/01/16
SPS	CARLSBAD INTERCHANGE - PECOS INTERCHANGE 115KV CKT 1	Terminal Equipment	06/01/14	06/01/14
SPS	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	Upgrade 115/69 kv transformer (84/96 MVA)	06/01/17	06/01/17
SPS	DENVER CITY INTERCHANGE N. - TERRY COUNTY INTERCHANGE 115KV CKT 1	Terminal Equipment	06/01/13	06/01/13
SPS	Hitchland Interchange Project	New 345/230/115 kV Substation on Potter to Finney 345 kv line near the Texas Oklahoma border with new 230 kv lines to Moore County Interchange, Pringle, and Perryton with 115 kv tap of Spearman to Texas Co 115 kv line	12/01/12	12/01/12
SPS	NICHOLS STATION - WHITAKER SUB 115KV CKT 1	Replace Terminal Equipment	06/01/09	06/01/10
SPS	Sherman - Dalhart 115 kv	Build new 115 kv line from Sherman to Dalhart with 2 230/115 kv at Seminole with two 115 kv lines to Amerada Hess and 115 kv lines to Doss, Gaines, and Denver South	12/01/12	12/01/12
SPS	Stateline Project	Tap Elk City - Grapevine. New line from Stateline Tap to Graves Co. New 115/69kVmr at Graves Co.	06/01/09	06/01/11
SPS	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1 #1	Upgrade jumper at Terry Co. to a higher rating. Replace 4/0 with 397.5 ACSR cable	01/01/10	06/01/12
SPS	Texas Co-Hitchland-Sherman Tap 115 kv	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	12/01/12	12/01/12
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kv Transformer at Tuco	12/01/12	12/01/12
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Plymell	06/01/09	06/01/11
SUNC	NORTH CIMARRON 115KV Capacitor	Install 24 MVAR Capacitor bank at North Cimarron 115 kv	06/01/09	06/01/11
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Plymell to Pioneer Tap	06/01/09	06/01/11
SWPA	BROOKLINE - SPRINGFIELD 161KV CKT 1 SWPA	Tie Line. Upgrade the main and transfer buses and buswork within bay at Springfield to 1600 amps. Replace disconnect switches at Springfield.	06/01/16	06/01/16
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	12/01/08	06/01/10
SWPA	CLARKSVILLE - DARDANELLE 161KV CKT 1	Indeterminate	06/01/11	06/01/11
SWPA	NIXA #1 - SPRINGFIELD 161KV CKT 1	Replace conductor with high ampacity 795 MCM ACSS conductor. No structure changes included.	06/01/17	06/01/17
SWPA	PHAROAH - WELEETKA 138KV CKT 1 SWPA	Tie Line. Replace metering CTs at Weleetka.	06/01/12	06/01/12
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sub	06/01/09	06/01/11
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kv tie with Westar from Greenleaf to Clay Center	06/01/08	06/01/11
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kv	06/01/08	06/01/10
WEPL	PLAINVILLE CAP BANK	20 Mvar cap bank at Plainville	06/01/09	06/01/10
WEPL	PRATT 115KV	20MVAR at Pratt City 115kv	06/01/09	06/01/10
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kv line.	06/01/11	06/01/11
WERE	ALTAMONT 138KV	Install 30 Mvar cap at Altamont 138 kv (bus # 57000)	06/01/10	06/01/10
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 4.85-mile line, 1192.5 kcmil ACSR	06/01/08	06/01/11

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
WERE	BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1	Rebuild line	06/01/17	06/01/17
WERE	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	Rebuild Line	06/01/08	06/01/11
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	06/01/08	06/01/11
WERE	CIRCLE - HUTCHINSON ENERGY CENTER 115KV CKT 2	Build Second Circle to Hutchinson Energy Center 115 kV Circuit	12/01/09	06/01/11
WERE	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	Rebuild Circle - HEC GT 115 kV line.	06/01/08	06/01/11
WERE	Evans - Grant - Chisolm Rebuild and Conversion Project	Build Evans - Grant 138 kV line, Rebuild and Convert Grant - Chisolm 69 kV line to 138 kV, Install New Grant 138/69 kV XFMR. And Rebuild Grant - Grant Jct. 69 kV line.	06/01/08	06/01/11
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	06/01/10	06/01/11
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1 & 2	Rebuild 11-mile McDowell-Ft Junction 115 kV 1&2 with one 2x1192.5 kcmil ACSR circuit	10/01/08	06/01/11
WERE	GILL ENERGY CENTER EAST - GILLJCT2 69KV CKT 1	Tear down / Rebuild 3.69-mile Gill-Gill Junction-Oatville 69 kV line using 1192.5 kcmil ACSR	06/01/08	06/01/11
WERE	GILLJCT2 - OATVILLE 69KV CKT 1	Tear down / Rebuild 3.69-mile Gill-Gill Junction-Oatville 69 kV line using 1192.5 kcmil ACSR	06/01/08	06/01/11
WERE	HALSTEAD SOUTH BUS (HALSTDIX) 138/69/13.2KV TRANSFORMER CKT 1	Upgrade 138/69/13.2 transformer D1X	06/01/09	06/01/11
WERE	HOOVER NORTH (HOOVERTX) 138/69/13.2KV TRANSFORMER CKT 1	Install 3rd transformer at Hoover	06/01/10	06/01/11
WERE	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	Rebuild Line	06/01/17	06/01/17
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	Replace bus and Jumpers at NE Parsons 138 kV substation	06/01/10	06/01/10
WERE	NORTHVIEW - SUMMIT 115KV CKT 1	Tear down / Rebuild 7.23-mile Summit-Northview 115 kV, 1192.5 kcmil ACSR	06/01/08	06/01/11
WERE	SOUTHGATE - SUMMIT 115KV CKT 1	Build 6.5-mile Summit-Southgate 115 kV, 1192.5 kcmil ACSR Tear down Northview-South Gate 115 kV	06/01/08	06/01/11
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	06/01/10	06/01/11
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	06/01/09	06/01/10
WERE	Summit to Saline County 230/115 kV	Build 6.2-mile double circuit Summit-Saline County 230/115 kV line, and Build three-breaker 115 kV substation at Saline County.	06/01/13	06/01/13
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Tear down and rebuild 7.88 mile West McPherson-Wheatland 115 kV line.	06/01/08	06/01/11
WFEC	ANADARKO - CYRIL 69KV CKT 1	UPGRADE TO 795 ACSR FROM ANADARKO SW TO CYRIL , Anadarko-Cyril 12.9	06/01/09	06/01/11
WFEC	ATOKA - LANE 138KV CKT 1	Tie line with WFEC @ Atoka. Loop the Tupelo - Hugo (Lane) WFEC line into the Atoka substation.	06/01/13	06/01/13
WFEC	Commanche Cap Bank Addition	Install 12MVAR Cap Bank at 138KV Comanche Sw	06/01/10	06/01/10
WFEC	CYRIL - MEDICINE PARK JCT 69KV CKT 1	UPGRADE TO 795 ACSR FROM Cyril-MedPark 3.1 miles	06/01/09	06/01/11
WFEC	FLETCHER - MARLOW JCT 69KV CKT 1	UPGRADE 7 miles TO 795 ACSR FROM FLETCHER SW TO MARLOWA Junction. 69kV	06/01/10	06/01/11
WFEC	FLETCHER - MEDICINE PARK JCT 69KV CKT 1	UPGRADE TO 795 ACSR MedPark-Fletcher 4.1 miles	06/01/10	06/01/11
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetrap at Franklin Switch to 2000A	06/01/10	06/01/10
WFEC	Frederick 69kV	Add 12MVar at Frederick	06/01/17	06/01/17
WFEC	HAMMETT - MEEKER 138KV CKT 1	Install 10 miles of 138 kV from MEEKER sub to Hammett Sub and install terminal equipment	06/01/09	06/01/11
WFEC	LATTA CAP BANK	Install 12 Mvar Cap at Latta Junction 138 kV	06/01/12	06/01/12
WFEC	LITTLE AXE - NOBLE 138KV CKT 1	Little Axe to Noble Line rebuild and OU Voltage conversion	06/01/12	06/01/12
WFEC	Norman Area Voltage Conversion	Convert Canadian - OU - Cole - Criner to 138 kV and Canadian-Goldsby-OU-W Norman-Acme-Franklin	06/01/11	06/01/11
WFEC	PHAROAH - WELLETKA 138KV CKT 1 WFEC	change the tap settings on these CT's	06/01/12	06/01/12
WFEC	Rush Spring SW Cap Bank	Install 15 MVAR at Rush Springs	06/01/09	06/01/09
WFEC	RUSSEL SWITCH CAP BANK	Increase 7.2MVAR to 13.2 MVAR at Russell	06/01/13	06/01/13
WFEC	TWIN LAKES CAP BANK	Install 12 MVAR Capacitor	06/01/13	06/01/13
WFEC	WOODWARD - WOODWARD 69KV CKT 1	replace the 336.4 conductor with 795, 1.5 double circuit 795/336.4 H-frame @ \$310,000/mi (the other circuit is the Woodward - Taloga line) 1.9 single circuit 795 H-frame @ \$250,000/mi	12/01/09	06/01/11

**Previously Assigned Aggregate Study Upgrades requiring credits to Previous Aggregate Study Customers.**

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Vallient 345 KV line terminal	06/01/11	06/01/11
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	06/01/11	06/01/11
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	06/01/06	06/01/06
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Uprate Terminal Equipment	06/01/06	06/01/06
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Uprate Terminal Equipment	06/01/06	06/01/06
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGEs would rebuild 18 miles of 267AS33 with 795AS33. This would raise OGEs summer and winter Rate B to 287MVA. The limit will still be at WFECs Mooreland at 390A & 600A.	06/01/06	04/01/08
WERE	RENO 345/115KV CKT 1	New stepdown transformer at a new substation in Reno County east northeast of Hutchinson	06/01/09	06/01/10
WERE	RENO 345/115KV CKT 2	Install 2nd stepdown transformer at Reno County substation east northeast of Hutchinson	06/01/10	06/01/10
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	06/01/10	06/01/09
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)	06/01/09	06/01/09
WERE	WICHITA - RENO 345KV	Build 345KV from Wichita to Reno Co	06/01/09	06/01/09
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	06/01/06	04/01/08
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	06/01/11	06/01/11

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	2PERKTAP - FORT GIBSON 69KV CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
AECI	4LUTHER 138.00 (LUTHER) 138/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
AECI	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	12/01/12	12/01/12	\$ -
AECI	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 AECI	Reset CT	06/01/14	06/01/14	\$ -
AMRN	OVERTON 345.00 (1) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	12/01/08	12/01/08	\$ -
ENTR	3GRENW/D 115.00 - HUMPHREY 115KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	3GRENW/D 115.00 - TERREBONNE 115KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	3RUSTNE 115.00 - DOWNSVILLE 115KV CKT 1	Indeterminate	04/01/08	04/01/08	\$ -
ENTR	3RUSTNE 115.00 - VIENNA 115KV CKT 1	Indeterminate	04/01/08	04/01/08	\$ -
ENTR	4EOPLOUS 138.00 - CHAMPAGNE 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	4KSPRGS 138.00 - CHAMPAGNE 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	4KSPRGS 138.00 - LINE 642 TAP 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	4NCROWL 138.00 - SCOTT 138KV CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
ENTR	4SCOTT2 138.00 - 4SEMERE 138.00 138KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	5FLIPN - BULL SHOALS HES 161KV CKT 1	Indeterminate	06/01/17	06/01/17	\$ -
ENTR	5HILLTOP 161.00 - 5ST_JOE 161.00 161KV CKT 1	Indeterminate	06/01/15	06/01/15	\$ -
ENTR	5ST_JOE 161.00 - EVERTON 161KV CKT 1	Indeterminate	10/01/08	10/01/08	\$ -
ENTR	8WELLS 500.00 - WEBRE 500KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	8WELLS 500.00 500/230KV TRANSFORMER CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	ADAMS CREEK - BOGALUSA 230KV CKT 2	Indeterminate	04/01/08	04/01/08	\$ -
ENTR	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	CECELIA - DOC BONIN 138KV CKT 1	Indeterminate	12/01/09	12/01/09	\$ -
ENTR	CECELIA - MORIL 138KV CKT 1	Indeterminate	12/01/09	12/01/09	\$ -
ENTR	CLARENCE - MONTGOMERY 230KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	Indeterminate	10/01/08	10/01/08	\$ -
ENTR	DOC BONIN - SCOTT 138KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	10/01/08	10/01/08	\$ -
ENTR	FRONT STREET - SLIDELL 230KV CKT 1	Indeterminate	04/01/08	04/01/08	\$ -
ENTR	GIBSON - HUMPHREY 115KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	GIBSON - RAMOS 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	GIBSON 138/115KV TRANSFORMER CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	GRIMES - MT. ZION 138KV CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
ENTR	HARRISON-EAST - SUMMIT 161KV CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
ENTR	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	LIVONIA BULK - WILBERT 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	LOUISIANA STATION - WILBERT 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	10/01/08	10/01/08	\$ -
ENTR	WATERFORD - WILLOW GLEN 500KV CKT 1	Indeterminate	04/01/08	04/01/08	\$ -
ENTR	WATERFORD 500/230KV TRANSFORMER CKT 1	Indeterminate	04/01/08	04/01/08	\$ -
LAFN	DOC BONIN 230/138KV TRANSFORMER CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
LAGN	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
NPPD	N.PLATT7 115.00 - STOCKVL7 115.00 115KV CKT 1	Indeterminate	12/01/12	12/01/12	\$ -

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

Transmission Owner	UpgradeName	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	01/01/09	06/01/09
ENTR	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	Rebuild 7.43 miles of 250 CWC with 795 ACSR	06/01/09	06/01/09

**Table 7** Deferred Expansion Plan Projects

Transmission Owner	Upgrade	Solution	Deferral Group	Date Upgrade Needed per AG Study	Assigned Upgrade E & C in consideration of deferral	Date Upgrade Needed per Expansion Plan	Expansion Plan E & C Cost
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures.	1	12/1/2012	\$ 62,740,155	N/A	N/A
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	1	12/1/2012	\$ 1,722,356	N/A	N/A
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Tolk 2-795 ACSR	1	12/1/2012	\$ 16,532,988	N/A	N/A
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer 2	1	12/1/2012	\$ 6,200,480	N/A	N/A
WFEC	Mooreland - Potter 345 kV WFEC deferred	345 kV line Terminal	1	N/A	N/A	6/1/2020	\$ 2,500,000
SPS	Mooreland - Potter 345 kV SPS deferred	New 345 kV line from Potter to Mooreland on wooden h-frame structures.	1	N/A	N/A	6/1/2020	\$ 61,850,000
Grand Total					\$ 87,195,979	Deferral	\$ 64,350,000