



*Aggregate Facility Study  
SPP-2007-AG2-AFS-6  
For Transmission Service  
Requested by  
Aggregate Transmission Customers*

*SPP Engineering, SPP Tariff Studies*

SPP AGGREGATE FACILITY STUDY (SPP-2007-AG2-AFS-6)

July 25, 2008

Page 1 of 57

## *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), 797 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 \$25 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 \$29 Million. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. AFS data table 3 reflects the allocation of upgrade costs to each request without potential base plan funding based on either the requested reservation period or the deferred reservation period if applicable. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$23 Million.

Third-party facilities must be upgraded when it is determined they are constrained in order to accommodate the requested Transmission Service. These include both first-tier neighboring

facilities outside SPP and Transmission Owner facilities within SPP that are not under the SPP OATT. In this AFS, third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are indeterminate.

The Transmission Provider will tender a Letter of Intent on July 25th, 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 August 9th, 2008, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

If customers withdraw from the ATSS after posting of this AFS, the AFS will be re-performed to determine final cost allocation and Available Transmission Capability (ATC) in consideration of the remaining ATSS participants. All allocated revenue requirements for facility upgrades are assigned to the customer in the AFS data tables. Potential base plan funding allowable is contingent upon validation of designated resources meeting Attachment J, Section III B criteria.

## **2. Introduction**

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. In compliance with this Order, the second open season of 2007 commenced on June 1, 2007. All requests for long-term transmission service received prior to June 1, 2007 with a signed study agreement were then included in this second Aggregate Transmission Service Study (ATSS) of 2007.

Approximately 797 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$24 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 eleven seasonal models to study the aggregate transfers of 797 MW over a variety of requested service periods. The SPP MDWG 2007 Series Cases Update 2 2008 April (08AP), 2008 Spring Peak (08G), 2008 Summer Peak (08SP), 2008 Summer Shoulder (08SH), 2008 Fall Peak (08FA), 2008/09 Winter Peak (08WP), 2009 Summer Peak (09SP), 2009/10 Winter Peak (09WP), 2012 Summer Peak (12SP), 2012/13 Winter Peak (12WP), and 2017 Summer Peak (17SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 797 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 July 25th, 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 August 9th, 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 | Mimumum Allocated ATC (MW) within reservation period | Season of Minimum Allocated ATC within reservation period |
|----------|---------------|-------------|------|------|------------------|----------------------|---------------------|--|---|------------------------------------|-----------------------------------|--|---|
| AEPM     | AG2-2007-049  | 1283585     | WFEC | CSWS | 15               | 6/1/2008             | 6/1/2013            | 6/1/2011                                       | 6/1/2016                                      | 6/1/2011                           | 6/1/2016                          | 0  | 08SP  |
| AEPM     | AG2-2007-051  | 1283682     | WFEC | CSWS | 152              | 6/1/2008             | 6/1/2013            | 6/1/2011                                       | 6/1/2016                                      | 6/1/2011                           | 6/1/2016                          | 0  | 08SP  |
| AEPM     | AG2-2007-107  | 1286446     | CSWS | CSWS | 100              | 1/1/2010             | 1/1/2010            | 6/1/2011                                       | 6/1/2012                                      | 6/1/2011                           | 6/1/2012                          | 0  | 09SP  |
| CWEP     | AG2-2007-047  | 1283676     | EES  | SPA  | 12               | 6/1/2010             | 6/1/2040            | 6/1/2013                                       | 6/1/2043                                      | 6/1/2013                           | 6/1/2043                          | 0  | 12SP  |
| KCPS     | AG2-2007-109  | 1286498     | KCPL | EES  | 82               | 1/1/2009             | 6/1/2010            | 1/1/2009                                       | 6/1/2010                                      | 1/1/2009                           | 6/1/2010                          | 0  | 09SP  |
| KEPC     | AG2-2007-028  | 1281648     | WR   | EDE  | 6                | 1/1/2008             | 1/1/2019            | 6/1/2009                                       | 6/1/2020                                      | 9/1/2008                           | 9/1/2019                          | 0  | 08SP  |
| KPP      | AG2-2007-072  | 1285893     | WR   | WR   | 8                | 11/1/2007            | 11/1/2017           | 6/1/2011                                       | 6/1/2021                                      | 9/1/2008                           | 9/1/2018                          | 0  | 08SP  |
| MIDW     | AG2-2007-012  | 1268955     | WR   | WR   | 5                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-013  | 1268959     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-014  | 1268965     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| MIDW     | AG2-2007-034  | 1281706     | WR   | WR   | 25               | 3/1/2008             | 3/1/2027            | 6/1/2011                                       | 6/1/2030                                      | 9/1/2008                           | 9/1/2027                          | 0  | 08SP  |
| MIDW     | AG2-2007-069  | 1285864     | WR   | WR   | 4                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-069  | 1285865     | WR   | WR   | 3                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-069  | 1285866     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-069  | 1285867     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-070  | 1285869     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-071  | 1285872     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| MIDW     | AG2-2007-071  | 1285873     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| MIDW     | AG2-2007-078  | 1285946     | WR   | WR   | 3                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-078  | 1285947     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-078  | 1285948     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-079  | 1285949     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-079  | 1285950     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                                      | 12/1/2014                                     | 10/1/2008                          | 10/1/2013                         | 0  | 08SP  |
| MIDW     | AG2-2007-080  | 1285951     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 6/1/2011                                       | 6/1/2016                                      | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| MIDW     | AG2-2007-080  | 1285952     | WR   | WR   | 2                | 6/1/2008             | 6/1/2013            | 6/1/2011                                       | 6/1/2016                                      | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| MIDW     | AG2-2007-080  | 1285953     | WR   | WR   | 1                | 6/1/2008             | 6/1/2013            | 6/1/2011                                       | 6/1/2016                                      | 9/1/2008                           | 9/1/2013                          | 0  | 08SP  |
| SPRM     | AG2-2007-110  | 1286502     | WR   | SPA  | 25               | 12/1/2008            | 12/1/2028           | 6/1/2010                                       | 6/1/2030                                      | 6/1/2010                           | 6/1/2030                          | 0  | 09SP  |
| SPSM     | AG2-2007-067  | 1280570     | SPS  | SPS  | 80               | 1/1/2009             | 1/1/2029            | 1/1/2009                                       | 1/1/2029                                      | 1/1/2009                           | 1/1/2029                          | 0  | 12SP  |
| SPSM     | AG2-2007-067  | 1280571     | SPS  | SPS  | 70               | 1/1/2009             | 1/1/2029            | 1/1/2009                                       | 1/1/2029                                      | 1/1/2009                           | 1/1/2029                          | 0  | 12SP  |
| WFEC     | AG2-2007-016  | 1278401     | WFEC | WFEC | 19               | 12/15/2007           | 12/15/2032          | 6/1/2011                                       | 6/1/2036                                      | 6/1/2011                           | 6/1/2036                          | 0  | 08SP  |
| WRGS     | AG2-2007-011D | 1268638     | KCPL | AMRN | 20               | 6/1/2010             | 6/1/2015            | 6/1/2010                                       | 6/1/2015                                      | 6/1/2010                           | 6/1/2015                          | 0  | 12SP  |
| WRGS     | AG2-2007-017D | 1278809     | EES  | SPA  | 20               | 3/1/2010             | 3/1/2040            | 3/1/2010                                       | 3/1/2040                                      | 3/1/2010                           | 3/1/2040                          | 0  | 12SP  |
| WRGS     | AG2-2007-018D | 1278811     | EES  | SPA  | 20               | 3/1/2010             | 3/1/2040            | 3/1/2010                                       | 3/1/2040                                      | 3/1/2010                           | 3/1/2040                          | 0  | 12SP  |
| WRGS     | AG2-2007-019D | 1278813     | EES  | SPA  | 7                | 3/1/2010             | 3/1/2040            | 3/1/2010                                       | 3/1/2040                                      | 3/1/2010                           | 3/1/2040                          | 0  | 12SP  |
| WRGS     | AG2-2007-092D | 1286201     | SECI | WR   | 99               | 3/1/2009             | 3/1/2019            | 6/1/2011                                       | 6/1/2021                                      | 6/1/2011                           | 6/1/2021                          | 0  | 09SP  |

**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        | AG2-2007-049  | 1283585     | \$ 1,835,562   | \$ 1,436,483                                  | \$ 270,000  |       | Indeterminate  | \$ 3,397,500  | \$ 2,862,193   | \$ -   | \$ 2,862,193  |
| AEPM        | AG2-2007-051  | 1283682     | \$ 1,238,089   | \$ -  | \$ 86,173   |       | Indeterminate  | \$ 152,027  | \$ -   | \$ -   | Schedule 9 Charges  |
| AEPM        | AG2-2007-107  | 1286446     | \$ 981,493   | \$ -  | \$ -  |       | Indeterminate  | \$ 83,204   | \$ 83,204  | \$ -   | \$ 83,204   |
| CWEP        | AG2-2007-047  | 1283676     | \$ 100,000   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ 3,888,000                                     | \$ 3,888,000  |
| KCPS        | AG2-2007-109  | 1286498     | \$ 163,236   | \$ 163,236                                    | \$ -  |       | \$ -   | \$ 191,239  | \$ 191,239   | \$ 1,254,600                                     | \$ 1,254,600  |
| KEPC        | AG2-2007-028  | 1281648     | \$ -   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| KPP         | AG2-2007-072  | 1285893     | \$ -   | \$ -  | \$ -  |       | \$ -   | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| MIDW        | AG2-2007-012  | 1268955     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 472,500                                       | \$ 472,500  |
| MIDW        | AG2-2007-013  | 1268959     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| MIDW        | AG2-2007-014  | 1268965     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| MIDW        | AG2-2007-034  | 1281706     | \$ -   | \$ -  | \$ -  |       | \$ -   | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| MIDW        | AG2-2007-069  | 1285864     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 378,000                                       | \$ 378,000  |
| MIDW        | AG2-2007-069  | 1285865     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 283,500                                       | \$ 283,500  |
| MIDW        | AG2-2007-069  | 1285866     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-069  | 1285867     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| MIDW        | AG2-2007-070  | 1285869     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-071  | 1285872     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-071  | 1285873     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-078  | 1285946     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 283,500                                       | \$ 283,500  |
| MIDW        | AG2-2007-078  | 1285947     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-078  | 1285948     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| MIDW        | AG2-2007-079  | 1285949     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-079  | 1285950     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| MIDW        | AG2-2007-080  | 1285951     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-080  | 1285952     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 189,000                                       | \$ 189,000  |
| MIDW        | AG2-2007-080  | 1285953     | \$ -   | \$ -  | \$ -  | 6     | \$ -   | \$ -  | \$ -   | \$ 94,500  | \$ 94,500   |
| SPRM        | AG2-2007-110  | 1286502     | \$ -   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| SPSM        | AG2-2007-067  | 1280570     | \$ -   | \$ -  | \$ -  |       | \$ -   | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| SPSM        | AG2-2007-067  | 1280571     | \$ -   | \$ -  | \$ -  |       | \$ -   | \$ -  | \$ -   | \$ -   | Schedule 9 Charges  |
| WFEC        | AG2-2007-016  | 1278401     | \$ 2,794,856   | \$ -  | \$ 342,000  |       | Indeterminate  | \$ 8,151,677  | \$ 7,154,176   | \$ -   | \$ 7,154,176  |
| WRGS        | AG2-2007-011D | 1268638     | \$ 196,764   | \$ 196,764                                    | \$ -  |       | \$ -   | \$ 258,523  | \$ 258,523   | \$ 1,080,000                                     | \$ 1,080,000  |
| WRGS        | AG2-2007-017D | 1278809     | \$ 9,700,000   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ 6,480,000                                     | \$ 6,480,000  |
| WRGS        | AG2-2007-018D | 1278811     | \$ 1,165,527   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ 6,480,000                                     | \$ 6,480,000  |
| WRGS        | AG2-2007-019D | 1278813     | \$ 334,473   | \$ -  | \$ -  |       | Indeterminate  | \$ -  | \$ -   | \$ 2,268,000                                     | \$ 2,268,000  |
| WRGS        | AG2-2007-092D | 1286201     | \$ 8,500,000   | \$ -  | \$ 1,782,000  |       | \$ -   | \$ 16,742,686   | \$ 14,960,686  | \$ -   | \$ 16,742,686   |
| Grand Total |               |             | \$ 27,010,000  |   |   |       |  | \$ 28,945,471   | \$ 22,979,921  |  |   |

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

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

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

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

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

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

Note 6: Base Plan Funding is indeterminate due to lack of information

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

Customer Study Number  
 AEPM AG2-2007-049

| Customer | Reservation | POR  | POD  | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|------|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| AEPM     | 1283585     | WFEC | CSWS | 15               | 6/1/2008             | 6/1/2013            | 6/1/2011                               | 6/1/2016                              | \$ 270,000                            | \$ -                     | \$ 1,835,562         | \$ 3,397,500               |
|          |             |      |      |                  |                      |                     |  |                                       | \$ 270,000                            | \$ -                     | \$ 1,835,562         | \$ 3,397,500               |

| Reservation | Upgrade Name                           | COD       | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--|-----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1283585     | CLARENCE - MONTGOMERY 230KV CKT 1 CELE | 6/1/2009  | 6/1/2011 |                       | No                   | \$ 121,921           | \$ 2,200,000     | \$ -                       |
|             | DIANA - LONE STAR SOUTH 138KV CKT 1    | 12/1/2009 | 6/1/2010 | 4/1/2010              | Yes                  | \$ 8,497             | \$ 150,000       | \$ 14,990                  |
|             | FT SUPPLY - WOODWARD 69KV CKT 1        | 6/1/2008  | 6/1/2011 |                       | Yes                  | \$ 1,705,144         | \$ 4,500,000     | \$ 3,382,510               |
|             |  |           |          |                       | Total                | \$ 1,835,562         | \$ 6,850,000     | \$ 3,397,500               |

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 |
|-------------|---|-----------|-----------|-----------------------|----------------------|
| 1283585     | ALVA - KNOBHILL 69KV CKT 1                                  | 6/1/2010  | 6/1/2010  |                       |                      |
|             | ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1    | 6/1/2013  | 6/1/2013  |                       |                      |
|             | ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2     | 6/1/2013  | 6/1/2013  |                       |                      |
|             | BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1         | 6/1/2013  | 6/1/2013  |                       |                      |
|             | CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1               | 6/1/2013  | 6/1/2013  |                       |                      |
|             | FLINT CREEK - EAST CENTERTON 161KV CKT 1                    | 6/1/2013  | 6/1/2013  |                       |                      |
|             | LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2     | 12/1/2012 | 12/1/2012 |                       |                      |
|             | MOORELAND - MOREWOOD SW 138KV CKT 1                         | 9/1/2008  | 6/1/2010  |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 | 6/1/2009  | 6/1/2009  |                       |                      |
|             | SUB 438 - RIVERSIDE 161KV                                   | 6/1/2013  | 6/1/2013  |                       |                      |

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 |
|-------------|--|-----------|----------|-----------------------|----------------------|
| 1283585     | FT SUPPLY 138/69KV TRANSFORMER CKT 1                 | 12/1/2006 | 6/1/2008 |                       |                      |
|             | HUGO POWER PLANT - VALLIANT 345 KV AEPW              | 7/1/2012  | 7/1/2012 |                       |                      |
|             | HUGO POWER PLANT - VALLIANT 345 KV WFEC              | 7/1/2012  | 7/1/2012 |                       |                      |
|             | KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1 | 6/1/2006  | 6/1/2008 |                       |                      |

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

| Reservation | Upgrade Name   | COD      | EOC      | Earliest Service Date | Redispatch Available |
|-------------|--|----------|----------|-----------------------|----------------------|
| 1283585     | BROKEN BOW - CRAIG JUNCTION 138KV CKT 1                          | 9/1/2008 | 6/1/2009 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 | 9/1/2008 | 6/1/2009 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 | 9/1/2008 | 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 |
|-------------|---|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1283585     | 3ALPINE# 115.00 - 3AMITY * 115.00 115KV CKT 1 | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 3ALPINE# 115.00 - 3BISMCK 115KV CKT 1         | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 3BISMCK - 3HSEHVW 115KV CKT 1                 | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 4TAMINA 138.00 - TAMINA 138KV CKT 1           | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 8WELLS 500.00 500/230KV TRANSFORMER CKT 1     | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CHINA - SABINE 230KV CKT 1                    | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CLARENCE - MONTGOMERY 230KV CKT 1 ENTR        | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | HARTBURG - INLAND-ORANGE 230KV CKT 1          | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | OAK RIDGE - TAMINA 138KV 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              AG2-2007-051

| Customer | Reservation | POR  | POD  | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|------|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| AEPM     | 1283682     | WFEC | CSWS | 152              | 6/1/2008             | 6/1/2013            | 6/1/2011                               | 6/1/2016                              | \$ 86,173                             | \$ -                     | \$ 1,238,089         | \$ 152,027                 |
|          |             |      |      |                  |                      |                     |  |                                       | \$ 86,173                             | \$ -                     | \$ 1,238,089         | \$ 152,027                 |

| Reservation | Upgrade Name                           | COD       | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--|-----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1283682     | CLARENCE - MONTGOMERY 230KV CKT 1 CELE | 6/1/2009  | 6/1/2011 |                       | No                   | \$ 1,151,916         | \$ 2,200,000     | \$ -                       |
|             | DIANA - LONE STAR SOUTH 138KV CKT 1    | 12/1/2009 | 6/1/2010 | 4/1/2010              | Yes                  | \$ 86,173            | \$ 150,000       | \$ 152,027                 |
|             |  |           |          |                       | Total                | \$ 1,238,089         | \$ 2,350,000     | \$ 152,027                 |

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 |
|-------------|---|-----------|-----------|-----------------------|----------------------|
| 1283682     | ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1    | 6/1/2013  | 6/1/2013  |                       |                      |
|             | ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2     | 6/1/2013  | 6/1/2013  |                       |                      |
|             | BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1         | 6/1/2013  | 6/1/2013  |                       |                      |
|             | CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1               | 6/1/2013  | 6/1/2013  |                       |                      |
|             | FLINT CREEK - EAST CENTERTON 161KV CKT 1                    | 6/1/2013  | 6/1/2013  |                       |                      |
|             | LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2     | 12/1/2012 | 12/1/2012 |                       |                      |
|             | SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 | 6/1/2009  | 6/1/2009  |                       |                      |
|             | SUB 438 - RIVERSIDE 161KV                                   | 6/1/2013  | 6/1/2013  |                       |                      |

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 |
|-------------|---|----------|----------|-----------------------|----------------------|
| 1283682     | HUGO POWER PLANT - VALLIANT 345 KV AEPW | 7/1/2012 | 7/1/2012 |                       |                      |
|             | HUGO POWER PLANT - VALLIANT 345 KV WFEC | 7/1/2012 | 7/1/2012 |                       |                      |

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 |
|-------------|--|----------|----------|-----------------------|----------------------|
| 1283682     | BROKEN BOW - CRAIG JUNCTION 138KV CKT 1                          | 9/1/2008 | 6/1/2009 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 | 9/1/2008 | 6/1/2009 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 | 9/1/2008 | 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 |
|-------------|---|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1283682     | 4TAMINA 138.00 - TAMINA 138KV CKT 1       | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 8WELLS 500.00 500/230KV TRANSFORMER CKT 1 | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CHINA - SABINE 230KV CKT 1                | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CLARENCE - MONTGOMERY 230KV CKT 1 ENTR    | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | HARTBURG - INLAND-ORANGE 230KV CKT 1      | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | OAK RIDGE - TAMINA 138KV 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 AG2-2007-107

| Customer | Reservation | POR  | POD  | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|------|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| AEPM     | 1286446     | CSWS | CSWS | 100              | 1/1/2009             | 1/1/2010            | 6/1/2011                               | 6/1/2012                              | \$ -                                  | \$ -                     | \$ 981,493           | \$ 83,204                  |
|          |             |      |      |                  |                      |                     |  |                                       | \$ -                                  | \$ -                     | \$ 981,493           | \$ 83,204                  |

| Reservation | Upgrade Name                           | COD       | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--|-----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1286446     | CLARENCE - MONTGOMERY 230KV CKT 1 CELE | 6/1/2009  | 6/1/2011 |                       | No                   | \$ 926,163           | \$ 2,200,000     | \$ -                       |
|             | DIANA - LONE STAR SOUTH 138KV CKT 1    | 12/1/2009 | 6/1/2010 | 4/1/2010              | Yes                  | \$ 55,330            | \$ 150,000       | \$ 83,204                  |
|             |  |           |          |                       | Total                | \$ 981,493           | \$ 2,350,000     | \$ 83,204                  |

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 |
|-------------|---|----------|----------|-----------------------|----------------------|
| 1286446     | GLASSES - RUSSETT 138KV CKT 1                               | 6/1/2010 | 6/1/2011 |                       |                      |
|             | MOORELAND - MOREWOOD SW 138KV CKT 1                         | 9/1/2008 | 6/1/2010 |                       | Yes                  |
|             | 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 |
|-------------|--|----------|----------|-----------------------|----------------------|
| 1286446     | BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1          | 6/1/2009 | 6/1/2011 |                       | Yes                  |
|             | BROKEN BOW - CRAIG JUNCTION 138KV CKT 1                          | 9/1/2008 | 6/1/2009 |                       |                      |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW                       | 6/1/2009 | 6/1/2010 |                       | Yes                  |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE                       | 6/1/2009 | 6/1/2010 |                       | Yes                  |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2                    | 6/1/2009 | 6/1/2010 |                       | Yes                  |
|             | COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1                 | 6/1/2009 | 6/1/2011 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 | 9/1/2008 | 6/1/2009 |                       | Yes                  |
|             | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 | 9/1/2008 | 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 |
|-------------|---|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1286446     | 3ALPINE# 115.00 - 3AMITY * 115.00 115KV CKT 1 | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 3ALPINE# 115.00 - 3BISM RK 115KV CKT 1        | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 3BISM RK - 3HSEHVW 115KV CKT 1                | 4/1/2008 | 4/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | 4KSPRGS 138.00 - CHAMPAGNE 138KV CKT 1        | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | 4KSPRGS 138.00 - LINE 642 TAP 138KV CKT 1     | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | 4TAMINA 138.00 - TAMINA 138KV CKT 1           | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CHINA - SABINE 230KV CKT 1                    | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CLARENCE - MONTGOMERY 230KV CKT 1 ENTR        | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | HARTBURG - INLAND-ORANGE 230KV CKT 1          | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | LINE 642 TAP - LIVONIA BULK 138KV CKT 1       | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | LIVONIA BULK - WILBERT 138KV CKT 1            | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | OAK RIDGE - TAMINA 138KV 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  
 KCPS AG2-2007-109

| Customer | Reservation | POR  | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| KCPS     | 1286498     | KCPL | EES | 82               | 1/1/2009             | 6/1/2010            |  |                                       | \$ -                                  | \$ 1,254,600             | \$ 163,236           | \$ 191,239                 |
|          |             |      |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 1,254,600             | \$ 163,236           | \$ 191,239                 |

| Reservation | Upgrade Name                             | COD      | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--|----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1286498     | GRANDVIEW EAST - SAMPSON 161KV CKT 1 # 1 | 6/1/2010 | 6/1/2010 |                       |                      | \$ 163,236           | \$ 180,000       | \$ 191,239                 |
|             |  |          |          |                       | Total                | \$ 163,236           | \$ 180,000       | \$ 191,239                 |

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

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

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

Customer Study Number  
KEPC AG2-2007-028

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| KEPC     | 1281648     | WR  | EDE | 6                | 1/1/2008             | 1/1/2019            | 6/1/2009                               | 6/1/2020                              | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1281648     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       | Total                | \$ -                 | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name   | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1281648     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                          | 6/1/2010 | 6/1/2011  |                       |                      |
|             | AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1                       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT | 6/1/2015 | 6/1/2015  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1     | 6/1/2015 | 6/1/2015  |                       |                      |
|             | COWSKIN - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C   | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                          | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | HOOVER SOUTH - TYLER 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1                            | 6/1/2012 | 6/1/2013  |                       |                      |
|             | JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1        | 6/1/2012 | 6/1/2013  |                       |                      |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       |                      |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       |                      |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1   | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | ST_JOHN 115KV Capacitor #2   | 6/1/2017 | 6/1/2017  |                       |                      |
|             | SUB 438 - RIVERSIDE 161KV  | 6/1/2013 | 6/1/2013  |                       |                      |
|             | Summit - NE Saline 115 kV  | 9/1/2008 | 12/1/2009 |                       |                      |
|             | TYLER - WESTLINK 69KV  | 6/1/2010 | 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 |
|-------------|----------------------|-----------|-----------|-----------------------|----------------------|
| 1281648     | RENO 345/115KV CKT 1 | 12/1/2008 | 12/1/2008 |                       |                      |
|             | SUMMIT - RENO 345KV  | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|-----------|-----------|-----------------------|----------------------|
| 1281648     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                       | 6/1/2009  | 6/1/2009  |                       |                      |
|             | BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1                                  | 6/1/2014  | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement               | 6/1/2013  | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kV Displacement                              | 6/1/2013  | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement       | 6/1/2013  | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv   | 6/1/2013  | 6/1/2013  |                       |                      |
|             | SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1                                    | 6/1/2014  | 6/1/2009  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                        | 6/1/2010  | 6/1/2010  |                       |                      |
|             | SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement | 12/1/2008 | 4/1/2009  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                                  | 6/1/2009  | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008  | 12/1/2008 |                       | Yes                  |

Third Party Limitations.

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

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

**Customer**      **Study Number**  
 KPP                AG2-2007-072

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| KPP      | 1285893     | WR  | WR  | 8                | 11/1/2007            | 11/1/2017           | 6/1/2011                               | 6/1/2021                              | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285893     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name  | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1285893     | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA | 9/1/2008 | 6/1/2011  |                       | Yes                  |
|             | COWSKIN - WESTLINK 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                         | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HOOVER SOUTH - TYLER 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                | 6/1/2010 | 6/1/2010  |                       | Yes                  |
|             | SOUTHGATE - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | TYLER - WESTLINK 69KV   | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285893     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1285893     | ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement                   | 6/1/2013 | 6/1/2013  |                       |                      |
|             | CRESWELL - OAK 69KV CKT 1 #1 Displacement                          | 6/1/2013 | 6/1/2013  |                       |                      |
|             | CRESWELL - OAK 69KV CKT 1 #2 Displacement                          | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NEOSHO - NORTHEAST PARSONS 138KV CKT 1                             | 6/1/2013 | 6/1/2009  |                       |                      |
|             | ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement | 9/1/2008 | 6/1/2011  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                       | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV   | 9/1/2008 | 12/1/2008 |                       | Yes                  |



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

Customer Study Number  
MIDW AG2-2007-013

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1268959     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1268959     | 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 |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1268959     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1268959     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1268959     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-014

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1268965     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1268965     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       | Total                | \$ -                 | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name   | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1268965     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1268965     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1268965     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-034

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

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1281706     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       | Total                | \$ -                 | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name  | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1281706     | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA | 9/1/2008 | 6/1/2011  |                       | Yes                  |
|             | COWSKIN - WESTLINK 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2                  | 6/1/2016 | 6/1/2016  |                       |                      |
|             | HARPER 138KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HOOVER SOUTH - TYLER 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 MIDW                                    | 6/1/2013 | 6/1/2013  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 WERE                                    | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                | 6/1/2010 | 6/1/2010  |                       | Yes                  |
|             | PRATT 115KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | ST_JOHN 115KV Capacitor #1  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | ST_JOHN 115KV Capacitor #2  | 6/1/2017 | 6/1/2017  |                       |                      |
|             | Summit - NE Saline 115 kV   | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | TYLER - WESTLINK 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | WEST MCPHERSON - WHEATLAND 115KV CKT 1                                | 9/1/2008 | 12/1/2008 |                       |                      |

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

| Reservation | Upgrade Name                       | COD       | EOC       | Earliest Service Date | Redispatch Available |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1281706     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1281706     | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement | 6/1/2010 | 6/1/2010  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       |                      |

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

Customer Study Number  
MIDW AG2-2007-069

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285864     | WR  | WR  | 4                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 378,000               | \$ -                 | \$ -                       |
| MIDW     | 1285865     | WR  | WR  | 3                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 283,500               | \$ -                 | \$ -                       |
| MIDW     | 1285866     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285867     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 945,000               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285864     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285865     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285866     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285867     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |

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

| Reservation  | Upgrade Name   | COD       | EOC       | Earliest Service Date | Redispatch Available |
|--|--|-----------|-----------|-----------------------|----------------------|
| 1285864  | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010  | 6/1/2011  |                       |                      |
|  | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008  | 6/1/2011  |                       |                      |
|  | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008  | 6/1/2011  |                       |                      |
|  | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011  | 6/1/2011  |                       |                      |
|  | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008  | 6/1/2008  |                       |                      |
|  | HARPER 138KV Capacitor   | 9/1/2008  | 6/1/2009  | 10/1/2008             |                      |
|  | HEC-HEC GT-Circle 115KV  | 9/1/2008  | 6/1/2009  |                       | Yes                  |
|  | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013  | 6/1/2013  |                       |                      |
|  | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
|  | PHILLIPSBURG - RHOADES 115 kV  | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
|  | PRATT 115KV Capacitor  | 9/1/2008  | 6/1/2009  | 10/1/2008             |                      |
|  | REDEL - STILWELL 161KV CKT 1   | 9/1/2008  | 6/1/2011  |                       |                      |
|  | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
| 1285865  | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010  | 6/1/2011  |                       |                      |
|  | ST_JOHN 115KV Capacitor #1   | 6/1/2010  | 6/1/2010  |                       |                      |
|  | Summit - NE Saline 115 kV  | 9/1/2008  | 12/1/2009 |                       |                      |
|  | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010  | 6/1/2011  |                       |                      |
|  | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008  | 6/1/2011  |                       |                      |
|  | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008  | 6/1/2011  |                       |                      |
|  | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011  | 6/1/2011  |                       |                      |
|  | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008  | 6/1/2008  |                       |                      |
|  | HARPER 138KV Capacitor   | 9/1/2008  | 6/1/2009  | 10/1/2008             |                      |
|  | HEC-HEC GT-Circle 115KV  | 9/1/2008  | 6/1/2009  |                       | Yes                  |
|  | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013  | 6/1/2013  |                       |                      |
|  | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
|  | PHILLIPSBURG - RHOADES 115 kV  | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
| PRATT 115KV Capacitor  | 9/1/2008   | 6/1/2009  | 10/1/2008 |                       |                      |
| REDEL - STILWELL 161KV CKT 1   | 9/1/2008   | 6/1/2011  |           |                       |                      |
| SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008   | 12/1/2009 |           | Yes                   |                      |
| SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010   | 6/1/2011  |           |                       |                      |
| ST_JOHN 115KV Capacitor #1   | 6/1/2010   | 6/1/2010  |           |                       |                      |
| Summit - NE Saline 115 kV  | 9/1/2008   | 12/1/2009 |           |                       |                      |

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

|         |  |          |           |           |     |
|---------|--|----------|-----------|-----------|-----|
| 1285866 | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |           |     |
|         | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |           |     |
|         | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |           |     |
|         | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |           |     |
|         | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |           |     |
|         | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |           | Yes |
|         | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |           |     |
|         | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | PHILLIPSBURG - RHOADES 115 kv  | 9/1/2008 | 6/1/2009  | 10/1/2008 | No  |
|         | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | REDEL - STILWELL 161KV CKT 1   | 9/1/2008 | 6/1/2011  |           |     |
|         | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |           |     |
|         | ST JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |           |     |
|         | Summit - NE Saline 115 kv  | 9/1/2008 | 12/1/2009 |           |     |
| 1285867 | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |           |     |
|         | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |           |     |
|         | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |           |     |
|         | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |           |     |
|         | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |           |     |
|         | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |           | Yes |
|         | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |           |     |
|         | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | PHILLIPSBURG - RHOADES 115 kv  | 9/1/2008 | 6/1/2009  | 10/1/2008 | No  |
|         | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | REDEL - STILWELL 161KV CKT 1   | 9/1/2008 | 6/1/2011  |           |     |
|         | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |           |     |
|         | ST JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |           |     |
|         | Summit - NE Saline 115 kv  | 9/1/2008 | 12/1/2009 |           |     |

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

| Reservation | Upgrade Name                       | COD       | EOC       | Earliest Service Date | Redispatch Available |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285864     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285865     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285866     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285867     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

**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 |
|---|---|---|-----------|-----------------------|----------------------|
| 1285864   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009  | 6/1/2009  |                       |                      |
|   | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013  | 6/1/2013  |                       |                      |
|   | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013  | 6/1/2013  |                       |                      |
|   | MARTIN CITY - REDEL 161KV CKT 1   | 6/1/2009  | 6/1/2011  |                       |                      |
|   | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010  | 6/1/2010  |                       |                      |
|   | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009  | 6/1/2009  |                       |                      |
|   | WICHITA - RENO 345KV  | 9/1/2008  | 12/1/2008 |                       | Yes                  |
|   | 1285865   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2 | 6/1/2009  | 6/1/2009              |                      |
| EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan - SW Manhattan 115kV Displacement                        |   | 6/1/2013  | 6/1/2013  |                       |                      |
| EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan to Mcdowell 230 Kv                                       |   | 6/1/2013  | 6/1/2013  |                       |                      |
| MARTIN CITY - REDEL 161KV CKT 1   |   | 6/1/2009  | 6/1/2011  |                       |                      |
| NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  |   | 6/1/2010  | 6/1/2010  |                       |                      |
| TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            |   | 6/1/2009  | 6/1/2009  |                       |                      |
| WICHITA - RENO 345KV  |   | 9/1/2008  | 12/1/2008 |                       | Yes                  |
| 1285866   |   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2 | 6/1/2009  | 6/1/2009              |                      |
|   | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013  | 6/1/2013  |                       |                      |
|   | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013  | 6/1/2013  |                       |                      |
|   | MARTIN CITY - REDEL 161KV CKT 1   | 6/1/2009  | 6/1/2011  |                       |                      |
|   | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010  | 6/1/2010  |                       |                      |
|   | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009  | 6/1/2009  |                       |                      |
|   | WICHITA - RENO 345KV  | 9/1/2008  | 12/1/2008 |                       | Yes                  |
|   | 1285867   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2 | 6/1/2009  | 6/1/2009              |                      |
| EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan - SW Manhattan 115kV Displacement                        |   | 6/1/2013  | 6/1/2013  |                       |                      |
| EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan to Mcdowell 230 Kv                                       |   | 6/1/2013  | 6/1/2013  |                       |                      |
| MARTIN CITY - REDEL 161KV CKT 1   |   | 6/1/2009  | 6/1/2011  |                       |                      |
| NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  |   | 6/1/2010  | 6/1/2010  |                       |                      |
| TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            |   | 6/1/2009  | 6/1/2009  |                       |                      |
| WICHITA - RENO 345KV  |   | 9/1/2008  | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-070

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285869     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285869     | 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 |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1285869     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285869     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1285869     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to McDowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-071

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285872     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285873     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 378,000               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285872     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285873     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name   | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1285872     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
| 1285873     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |

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

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1285872     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285873     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-078

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285946     | WR  | WR  | 3                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 283,500               | \$ -                 | \$ -                       |
| MIDW     | 1285947     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285948     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 567,000               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285946     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285947     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285948     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |

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

| Reservation  | Upgrade Name   | COD       | EOC       | Earliest Service Date | Redispatch Available |
|--|--|-----------|-----------|-----------------------|----------------------|
| 1285946  | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010  | 6/1/2011  |                       |                      |
|  | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008  | 6/1/2011  |                       |                      |
|  | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008  | 6/1/2011  |                       |                      |
|  | COWSKIN - WESTLINK 69KV  | 6/1/2010  | 6/1/2010  |                       |                      |
|  | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011  | 6/1/2011  |                       |                      |
|  | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008  | 6/1/2008  |                       |                      |
|  | HARPER 138KV Capacitor   | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
|  | HEC-HEC GT-Circle 115KV  | 9/1/2008  | 6/1/2009  |                       | Yes                  |
|  | HOOVER SOUTH - TYLER 69KV  | 6/1/2010  | 6/1/2010  |                       |                      |
|  | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013  | 6/1/2013  |                       |                      |
|  | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
|  | PRATT 115KV Capacitor  | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
|  | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
|  | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010  | 6/1/2011  |                       |                      |
| 1285947  | ST JOHN 115KV Capacitor #1   | 6/1/2010  | 6/1/2010  |                       |                      |
|  | TYLER - WESTLINK 69KV  | 6/1/2010  | 6/1/2010  |                       |                      |
|  | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010  | 6/1/2011  |                       |                      |
|  | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008  | 6/1/2011  |                       |                      |
|  | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008  | 6/1/2011  |                       |                      |
|  | COWSKIN - WESTLINK 69KV  | 6/1/2010  | 6/1/2010  |                       |                      |
|  | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011  | 6/1/2011  |                       |                      |
|  | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008  | 6/1/2008  |                       |                      |
|  | HARPER 138KV Capacitor   | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
|  | HEC-HEC GT-Circle 115KV  | 9/1/2008  | 6/1/2009  |                       | Yes                  |
|  | HOOVER SOUTH - TYLER 69KV  | 6/1/2010  | 6/1/2010  |                       |                      |
|  | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013  | 6/1/2013  |                       |                      |
|  | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008  | 12/1/2009 |                       | Yes                  |
|  | PRATT 115KV Capacitor  | 9/1/2008  | 6/1/2009  | 10/1/2008             | No                   |
| SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008   | 12/1/2009 |           | Yes                   |                      |
| SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010   | 6/1/2011  |           |                       |                      |
| ST JOHN 115KV Capacitor #1   | 6/1/2010   | 6/1/2010  |           |                       |                      |
| TYLER - WESTLINK 69KV  | 6/1/2010   | 6/1/2010  |           |                       |                      |

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

|         |  |          |           |           |     |
|---------|--|----------|-----------|-----------|-----|
| 1285948 | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |           |     |
|         | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |           |     |
|         | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |           |     |
|         | COWSKIN - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |           |     |
|         | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |           |     |
|         | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |           |     |
|         | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008 | No  |
|         | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |           | Yes |
|         | HOOVER SOUTH - TYLER 69KV  | 6/1/2010 | 6/1/2010  |           |     |
|         | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |           |     |
|         | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008 | No  |
|         | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |           | Yes |
|         | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |           |     |
|         | ST JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |           |     |
|         | TYLER - WESTLINK 69KV  | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285946     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285947     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285948     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1285946     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285947     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285948     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-079

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285949     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285950     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 12/1/2009                              | 12/1/2014                             | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 283,500               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285949     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       | Total                | \$ -                 | \$ -             | \$ -                       |
| 1285950     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       | Total                | \$ -                 | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name   | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1285949     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | COWSKIN - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | HOOVER SOUTH - TYLER 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TYLER - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
| 1285950     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                        | 6/1/2010 | 6/1/2011  |                       |                      |
|             | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1                           | 9/1/2008 | 6/1/2011  |                       |                      |
|             | CLAY CENTER - GREENLEAF 115KV CKT 1                                  | 9/1/2008 | 6/1/2011  |                       |                      |
|             | COWSKIN - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                        | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | HOOVER SOUTH - TYLER 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             | No                   |
|             | SOUTHGATE - SUMMIT 115KV CKT 1                                       | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TYLER - WESTLINK 69KV  | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285949     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285950     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

**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 |
|---|---|---|-----------|-----------------------|----------------------|
| 1285949   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009  | 6/1/2009  |                       |                      |
|   | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013  | 6/1/2013  |                       |                      |
|   | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013  | 6/1/2013  |                       |                      |
|   | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013  | 6/1/2013  |                       |                      |
|   | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       | 6/1/2010  | 6/1/2010  |                       |                      |
|   | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010  | 6/1/2010  |                       |                      |
|   | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009  | 6/1/2009  |                       |                      |
|   | WICHITA - RENO 345KV  | 9/1/2008  | 12/1/2008 |                       | Yes                  |
|   | 1285950   | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2 | 6/1/2009  | 6/1/2009              |                      |
| EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan - SW Manhattan 115kV Displacement                        |   | 6/1/2013  | 6/1/2013  |                       |                      |
| EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement |   | 6/1/2013  | 6/1/2013  |                       |                      |
| East Manhattan to Mcdowell 230 Kv                                       |   | 6/1/2013  | 6/1/2013  |                       |                      |
| EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       |   | 6/1/2010  | 6/1/2010  |                       |                      |
| NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  |   | 6/1/2010  | 6/1/2010  |                       |                      |
| TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            |   | 6/1/2009  | 6/1/2009  |                       |                      |
| WICHITA - RENO 345KV  |   | 9/1/2008  | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
MIDW AG2-2007-080

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| MIDW     | 1285951     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 6/1/2011                               | 6/1/2016                              | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285952     | WR  | WR  | 2                | 6/1/2008             | 6/1/2013            | 6/1/2011                               | 6/1/2016                              | \$ -                                  | \$ 189,000               | \$ -                 | \$ -                       |
| MIDW     | 1285953     | WR  | WR  | 1                | 6/1/2008             | 6/1/2013            | 6/1/2011                               | 6/1/2016                              | \$ -                                  | \$ 94,500                | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 472,500               | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1285951     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285952     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1285953     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |

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

| Reservation | Upgrade Name   | COD      | EOC       | Earliest Service Date | Redispatch Available |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1285951     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                          | 6/1/2010 | 6/1/2011  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT | 6/1/2015 | 6/1/2015  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1     | 6/1/2015 | 6/1/2015  |                       |                      |
|             | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA  | 9/1/2008 | 6/1/2011  |                       | Yes                  |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C   | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                          | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 MIDW                                     | 6/1/2013 | 6/1/2013  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 WERE                                     | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1   | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | Summit - NE Saline 115 kV  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | WEST MCPHERSON - WHEATLAND 115KV CKT 1                                 | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285952     | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                          | 6/1/2010 | 6/1/2011  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT | 6/1/2015 | 6/1/2015  |                       |                      |
|             | BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1     | 6/1/2015 | 6/1/2015  |                       |                      |
|             | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA  | 9/1/2008 | 6/1/2011  |                       | Yes                  |
|             | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV C   | 6/1/2011 | 6/1/2011  |                       |                      |
|             | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                          | 9/1/2008 | 6/1/2008  |                       |                      |
|             | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |                       | Yes                  |
|             | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 MIDW                                     | 6/1/2013 | 6/1/2013  |                       |                      |
|             | LYONS - WHEATLAND 115KV CKT 1 WERE                                     | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1   | 6/1/2010 | 6/1/2011  |                       |                      |
|             | ST_JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | Summit - NE Saline 115 kV  | 9/1/2008 | 12/1/2009 |                       | Yes                  |
|             | WEST MCPHERSON - WHEATLAND 115KV CKT 1                                 | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

|         |  |          |           |           |     |
|---------|--|----------|-----------|-----------|-----|
| 1285953 | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1                          | 6/1/2010 | 6/1/2011  |           |     |
|         | BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT | 6/1/2015 | 6/1/2015  |           |     |
|         | BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1     | 6/1/2015 | 6/1/2015  |           |     |
|         | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA  | 9/1/2008 | 6/1/2011  |           | Yes |
|         | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV G   | 6/1/2011 | 6/1/2011  |           |     |
|         | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1                          | 9/1/2008 | 6/1/2008  |           |     |
|         | HARPER 138KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | HEC-HEC GT-Circle 115KV  | 9/1/2008 | 6/1/2009  |           | Yes |
|         | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1         | 6/1/2013 | 6/1/2013  |           |     |
|         | LYONS - WHEATLAND 115KV CKT 1 MIDW                                     | 6/1/2013 | 6/1/2013  |           |     |
|         | LYONS - WHEATLAND 115KV CKT 1 WERE                                     | 6/1/2013 | 6/1/2013  |           |     |
|         | NORTHVIEW - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |           | Yes |
|         | PRATT 115KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008 |     |
|         | SOUTHGATE - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |           | Yes |
|         | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1   | 6/1/2010 | 6/1/2011  |           |     |
|         | ST JOHN 115KV Capacitor #1   | 6/1/2010 | 6/1/2010  |           |     |
|         | Summit - NE Saline 115 kv  | 9/1/2008 | 12/1/2009 |           | Yes |
|         | WEST MCPHERSON - WHEATLAND 115KV CKT 1                                 | 9/1/2008 | 12/1/2008 |           | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1285951     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285952     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |
| 1285953     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1285951     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285952     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |
| 1285953     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009  |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan - SW Manhattan 115kv Displacement                        | 6/1/2013 | 6/1/2013  |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013  |                       |                      |
|             | East Manhattan to Mcdowell 230 Kv                                       | 6/1/2013 | 6/1/2013  |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009  |                       |                      |
|             | WICHITA - RENO 345KV  | 9/1/2008 | 12/1/2008 |                       | Yes                  |

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

Customer Study Number  
SPRM AG2-2007-110

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| SPRM     | 1286502     | WR  | SPA | 25               | 12/1/2008            | 12/1/2028           | 6/1/2010                               | 6/1/2030                              | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1286502     | 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 |
|-------------|--|----------|-----------|-----------------------|----------------------|
| 1286502     | 412SUB - KANSAS TAP 161KV CKT 1  | 6/1/2009 | 6/1/2009  |                       |                      |
|             | COWSKIN - WESTLINK 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | HOOVER SOUTH - TYLER 69KV  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | JAMES RIVER - TWIN OAKS 69KV CKT 1   | 6/1/2015 | 6/1/2015  |                       |                      |
|             | KICKAPOO - SUNSET 69KV CKT 1   | 6/1/2015 | 6/1/2015  |                       |                      |
|             | NEERGARD - NORTON 69KV CKT 1   | 6/1/2009 | 6/1/2010  |                       |                      |
|             | NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1                              | 6/1/2009 | 6/1/2009  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1   | 9/1/2008 | 12/1/2009 |                       |                      |
|             | SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1                       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1                       | 6/1/2010 | 6/1/2010  |                       |                      |
|             | SUB 383 - MONETT - SUB 376 - MONETT CITY SOUTH 161/69/12.5KV TRANSFORMER C | 6/1/2017 | 6/1/2017  |                       |                      |
|             | SUB 438 - RIVERSIDE 161KV  | 6/1/2013 | 6/1/2013  |                       |                      |
|             | Summit - NE Saline 115 kV  | 9/1/2008 | 12/1/2009 |                       |                      |
|             | TYLER - WESTLINK 69KV  | 6/1/2010 | 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 |
|-------------|---------------------|-----------|-----------|-----------------------|----------------------|
| 1286502     | SUMMIT - RENO 345KV | 12/1/2009 | 12/1/2009 |                       |                      |

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 |
|-------------|--|----------|----------|-----------------------|----------------------|
| 1286502     | BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1 | 6/1/2014 | 6/1/2009 |                       |                      |
|             | BROOKLINE - JUNCTION 161KV CKT 1             | 6/1/2013 | 6/1/2013 |                       |                      |
|             | SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1   | 6/1/2014 | 6/1/2009 |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1 | 6/1/2009 | 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 |
|-------------|--|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1286502     | 5BEE BR - QUITMAN 161KV CKT 1                      | 6/1/2009 | 6/1/2009 |                             |                      | \$ -                 | \$ -             |
|             | 5CLINTN - CLINTON WEST (AECC) 161KV CKT 1          | 6/1/2010 | 6/1/2010 |                             |                      | \$ -                 | \$ -             |
|             | 5ST JOE 161.00 - EVERTON 161KV CKT 1               | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | CLINTON - HOLDEN 161KV CKT 1                       | 6/1/2013 | 6/1/2013 |                             |                      | \$ -                 | \$ -             |
|             | EVERTON - HARRISON-EAST 161KV CKT 1                | 6/1/2008 | 6/1/2008 |                             |                      | \$ -                 | \$ -             |
|             | FRANKS - FT WOOD 161KV CKT 1                       | 6/1/2010 | 6/1/2010 |                             |                      | \$ -                 | \$ -             |
|             | PHILLIPS (PHILLIPS) 161/69/7.2KV 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 SPSM Study Number AG2-2007-067

| 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     | 1280570     | SPS | SPS | 80               | 1/1/2009             | 1/1/2029            |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |
| SPSM     | 1280571     | SPS | SPS | 70               | 1/1/2009             | 1/1/2029            |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ -                     | \$ -                 | \$ -                       |

| Reservation | Upgrade Name | COD | EOC | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--------------|-----|-----|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1280570     | None         |     |     |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             |              |     |     |                       |                      | Total                | \$ -             | \$ -                       |
| 1280571     | 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 |
|-------------|---|----------|----------|-----------------------|----------------------|
| 1280570     | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1                 | 6/1/2012 | 6/1/2012 |                       |                      |
|             | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2                 | 6/1/2012 | 6/1/2012 |                       |                      |
|             | DALHERT - CHANNING 115KV  | 6/1/2012 | 6/1/2012 |                       |                      |
|             | DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3       | 6/1/2015 | 6/1/2015 |                       |                      |
|             | NICHOLS STATION - WHITAKER SUB 115KV CKT 1                      | 6/1/2010 | 6/1/2010 |                       |                      |
|             | OSAGE SWITCHING STATION - SOUTH GEORGIA INTERCHANGE 115KV CKT 1 | 6/1/2016 | 6/1/2016 |                       |                      |
|             | TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1    | 6/1/2010 | 6/1/2010 |                       |                      |
|             | TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1                    | 6/1/2017 | 6/1/2017 |                       |                      |
| 1280571     | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1                 | 6/1/2012 | 6/1/2012 |                       |                      |
|             | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2                 | 6/1/2012 | 6/1/2012 |                       |                      |
|             | DALHERT - CHANNING 115KV  | 6/1/2012 | 6/1/2012 |                       |                      |
|             | DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3       | 6/1/2015 | 6/1/2015 |                       |                      |
|             | NICHOLS STATION - WHITAKER SUB 115KV CKT 1                      | 6/1/2010 | 6/1/2010 |                       |                      |
|             | OSAGE SWITCHING STATION - SOUTH GEORGIA INTERCHANGE 115KV CKT 1 | 6/1/2016 | 6/1/2016 |                       |                      |
|             | TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1    | 6/1/2010 | 6/1/2010 |                       |                      |
|             | TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1                    | 6/1/2017 | 6/1/2017 |                       |                      |



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

Customer Study Number  
 WRGS AG2-2007-011D

| Customer | Reservation | POR  | POD  | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|------|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| WRGS     | 1268638     | KCPL | AMRN | 20               | 6/1/2010             | 6/1/2015            |  |                                       | \$ -                                  | \$ 1,080,000             | \$ 196,764           | \$ 258,523                 |
|          |             |      |      |                  |                      |                     |  |                                       | \$ -                                  | \$ 1,080,000             | \$ 196,764           | \$ 258,523                 |

| Reservation | Upgrade Name                             | COD      | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|--|----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1268638     | GRANDVIEW EAST - SAMPSON 161KV CKT 1 # 1 | 6/1/2010 | 6/1/2010 |                       |                      | \$ 16,764            | \$ 180,000       | \$ 25,667                  |
|             | LONGVIEW - SAMPSON 161KV CKT 1 # 1       | 6/1/2012 | 6/1/2012 |                       |                      | \$ 180,000           | \$ 180,000       | \$ 232,856                 |
|             |  |          |          |                       | Total                | \$ 196,764           | \$ 360,000       | \$ 258,523                 |

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 |
|-------------|---|----------|----------|-----------------------|----------------------|
| 1268638     | GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2 | 6/1/2012 | 6/1/2012 |                       |                      |

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

Customer Study Number  
 WRGS AG2-2007-017D

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| WRGS     | 1278809     | EES | SPA | 20               | 3/1/2010             | 3/1/2040            |  |                                       | \$ -                                  | \$ 6,480,000             | \$ 9,700,000         | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 6,480,000             | \$ 9,700,000         | \$ -                       |

| Reservation | Upgrade Name  | COD      | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|---|----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1278809     | 5ASHRVL - POPLAR BLUFF 161KV CKT 1                    | 6/1/2010 | 6/1/2010 |                       |                      | \$ 1,800,000         | \$ 1,800,000     | \$ -                       |
|             | 5ASHRVL - IDALIA 161KV CKT 1                          | 6/1/2010 | 6/1/2010 |                       |                      | \$ 3,400,000         | \$ 3,400,000     | \$ -                       |
|             | 5TRUM-W# - HERGETT 161KV CKT 1                        | 6/1/2013 | 6/1/2013 |                       |                      | \$ -                 | \$ -             | \$ -                       |
|             | POPLAR BLUFF (PBL X1) 161/69/13.8KV TRANSFORMER CKT 1 | 6/1/2010 | 6/1/2010 |                       |                      | \$ 1,500,000         | \$ 1,500,000     | \$ -                       |
|             | POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1 | 6/1/2010 | 6/1/2010 |                       |                      | \$ 1,500,000         | \$ 1,500,000     | \$ -                       |
|             | POPLAR BLUFF (PBL X3) 161/69/13.8KV TRANSFORMER CKT 1 | 6/1/2010 | 6/1/2010 |                       |                      | \$ 1,500,000         | \$ 1,500,000     | \$ -                       |
|             | <b>Total</b>  |          |          |                       |                      | \$ 9,700,000         | \$ 9,700,000     | \$ -                       |

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

| Reservation | Upgrade Name                       | COD      | EOC      | Earliest Service Date | Redispatch Available |
|-------------|------------------------------------|----------|----------|-----------------------|----------------------|
| 1278809     | JONES - JONESBORO 161KV CKT 1 SWPA | 6/1/2013 | 6/1/2013 |                       |                      |

Third Party Limitations.

| Reservation | Upgrade Name                                  | COD      | EOC      | Earliest Service Start Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost |
|-------------|---|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1278809     | CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1 | 6/1/2010 | 6/1/2010 |                             |                      | \$ -                 | \$ -             |
|             | <b>Total</b>                                  |          |          |                             |                      | \$ -                 | \$ -             |

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

Customer Study Number  
 WRGS AG2-2007-018D

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| WRGS     | 1278811     | EES | SPA | 20               | 3/1/2010             | 3/1/2040            |  |                                       | \$ -                                  | \$ 6,480,000             | \$ 1,165,527         | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 6,480,000             | \$ 1,165,527         | \$ -                       |

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

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

| Reservation | Upgrade Name                       | COD      | EOC      | Earliest Service Date | Redispatch Available |
|-------------|------------------------------------|----------|----------|-----------------------|----------------------|
| 1278811     | JONES - JONESBORO 161KV CKT 1 SWPA | 6/1/2013 | 6/1/2013 |                       |                      |

Third Party Limitations.

| Reservation | Upgrade Name                                  | COD      | EOC      | Earliest Service Start Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost |
|-------------|---|----------|----------|-----------------------------|----------------------|----------------------|------------------|
| 1278811     | CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1 | 6/1/2010 | 6/1/2010 |                             |                      | \$ -                 | \$ -             |
|             | <b>Total</b>                                  |          |          |                             |                      | \$ -                 | \$ -             |

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

Customer Study Number  
WRGS AG2-2007-019D

| Customer | Reservation | POR | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|-----|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| WRGS     | 1278813     | EES | SPA | 7                | 3/1/2010             | 3/1/2040            |  |                                       | \$ -                                  | \$ 2,268,000             | \$ 334,473           | \$ -                       |
|          |             |     |     |                  |                      |                     |  |                                       | \$ -                                  | \$ 2,268,000             | \$ 334,473           | \$ -                       |

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

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

| Reservation | Upgrade Name                       | COD      | EOC      | Earliest Service Date | Redispatch Available |
|-------------|------------------------------------|----------|----------|-----------------------|----------------------|
| 1278813     | JONES - JONESBORO 161KV CKT 1 SWPA | 6/1/2013 | 6/1/2013 |                       |                      |

Third Party Limitations.

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

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

Customer Study Number  
WRGS AG2-2007-092D

| Customer | Reservation | POR  | POD | Requested Amount | Requested Start Date | Requested Stop Date | Deferred Start Date Without Redispatch | Deferred Stop Date Without Redispatch | Potential Base Plan Funding Allowable | Point-to-Point Base Rate | Allocated E & C Cost | Total Revenue Requirements |
|----------|-------------|------|-----|------------------|----------------------|---------------------|--|---------------------------------------|---------------------------------------|--------------------------|----------------------|----------------------------|
| WRGS     | 1286201     | SECI | WR  | 99               | 3/1/2009             | 3/1/2019            | 6/1/2011                               | 6/1/2021                              | \$ 1,782,000                          | \$ -                     | \$ 8,500,000         | \$ 16,742,686              |
|          |             |      |     |                  |                      |                     |  |                                       | \$ 1,782,000                          | \$ -                     | \$ 8,500,000         | \$ 16,742,686              |

| Reservation | Upgrade Name                       | COD      | EOC      | Earliest Service Date | Redispatch Available | Allocated E & C Cost | Total E & C Cost | Total Revenue Requirements |
|-------------|------------------------------------|----------|----------|-----------------------|----------------------|----------------------|------------------|----------------------------|
| 1286201     | IATAN - STRANGER CREEK 345KV CKT 2 | 6/1/2012 | 6/1/2012 |                       |                      | \$ 8,500,000         | \$ 8,500,000     | \$ 16,742,686              |
|             |                                    |          |          |                       |                      |                      |                  |                            |
|             |                                    |          |          |                       | Total                | \$ 8,500,000         | \$ 8,500,000     | \$ 16,742,686              |

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 |
|-------------|---|----------|-----------|-----------------------|----------------------|
| 1286201     | BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA | 9/1/2008 | 6/1/2011  |                       |                      |
|             | COWSKIN - WESTLINK 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2                  | 6/1/2016 | 6/1/2016  |                       |                      |
|             | GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1                      | 6/1/2013 | 6/1/2013  |                       |                      |
|             | HARPER 138KV Capacitor  | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | HOLCOMB - PLYMELL 115KV CKT 1   | 6/1/2009 | 12/1/2009 | 10/1/2009             |                      |
|             | HOOVER SOUTH - TYLER 69KV   | 6/1/2010 | 6/1/2010  |                       |                      |
|             | NORTHVIEW - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       |                      |
|             | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                | 6/1/2010 | 6/1/2010  |                       |                      |
|             | PIONEER TAP - PLYMELL 115KV CKT 1                                     | 6/1/2009 | 12/1/2009 | 10/1/2009             |                      |
|             | PRATT 115KV Capacitor   | 9/1/2008 | 6/1/2009  | 10/1/2008             |                      |
|             | SOUTHGATE - SUMMIT 115KV CKT 1  | 9/1/2008 | 12/1/2009 |                       |                      |
|             | ST JOHN 115KV Capacitor #1  | 6/1/2010 | 6/1/2010  |                       |                      |
|             | ST JOHN 115KV Capacitor #2  | 6/1/2017 | 6/1/2017  |                       |                      |
|             | Summit - NE Saline 115 kV   | 9/1/2008 | 12/1/2009 |                       |                      |
|             | TYLER - WESTLINK 69KV   | 6/1/2010 | 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 |
|-------------|------------------------------------|-----------|-----------|-----------------------|----------------------|
| 1286201     | LACYGNE - WEST GARDNER 345KV CKT 1 | 6/1/2006  | 6/1/2006  |                       |                      |
|             | RENO 345/115KV CKT 1               | 12/1/2008 | 12/1/2008 |                       |                      |
|             | RENO 345/115KV CKT 2               | 12/1/2009 | 12/1/2009 |                       |                      |
|             | SUMMIT - RENO 345KV                | 12/1/2009 | 12/1/2009 |                       |                      |
|             | WICHITA - RENO 345KV               | 12/1/2008 | 12/1/2008 |                       |                      |

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 |
|-------------|---|----------|----------|-----------------------|----------------------|
| 1286201     | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                 | 6/1/2009 | 6/1/2009 |                       |                      |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW                              | 6/1/2009 | 6/1/2010 |                       |                      |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE                              | 6/1/2009 | 6/1/2010 |                       |                      |
|             | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2                           | 6/1/2009 | 6/1/2010 |                       |                      |
|             | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement         | 6/1/2013 | 6/1/2013 |                       |                      |
|             | East Manhattan - SW Manhattan 115kV Displacement                        | 6/1/2013 | 6/1/2013 |                       |                      |
|             | EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement | 6/1/2013 | 6/1/2013 |                       |                      |
|             | East Manhattan to McDowell 230 Kv                                       | 6/1/2013 | 6/1/2013 |                       |                      |
|             | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement       | 6/1/2010 | 6/1/2010 |                       |                      |
|             | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                            | 6/1/2009 | 6/1/2009 |                       |                      |

**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               | DIANA - LONE STAR SOUTH 138KV CKT 1                   | Replace switches and reset CT  | 12/1/2009                            | 6/1/2010                                   | \$ 150,000                                |
| CELE               | CLARENCE - MONTGOMERY 230KV CKT 1 CELE                | Bundle Clearance to Montgomery 230 kv  | 6/1/2009                             | 6/1/2011                                   | \$ 2,200,000                              |
| KACP               | IATAN - STRANGER CREEK 345KV CKT 2                    | Convert Iatan-Stranger Creek 161KV line to 345kv   | 6/1/2012                             | 6/1/2012                                   | \$ 8,500,000                              |
| MIPU               | GRANDVIEW EAST - SAMPSON 161KV CKT 1 # 1              | Replace wavetraps  | 6/1/2012                             | 6/1/2012                                   | \$ 180,000                                |
| MIPU               | LONGVIEW - SAMPSON 161KV CKT 1 # 1                    | replace wavetraps  | 6/1/2012                             | 6/1/2012                                   | \$ 180,000                                |
| SWPA               | 5ASHRVL - POPLAR BLUFF 161KV CKT 1                    | Reconductor line with ACCC conductor   | 6/1/2010                             | 6/1/2010                                   | \$ 1,800,000                              |
| SWPA               | 5CALCR - NORFORK 161KV CKT 1 SWPA                     | Replace buswork within bay and change metering CT ratio, replace wavetraps. Entry must also reconductor their line to increase the rating. | 6/1/2010                             | 6/1/2010                                   | \$ 100,000                                |
| SWPA               | 5ASHRVL - IDALIA 161KV CKT 1                          | Reconductor line with ACCC conductor   | 6/1/2011                             | 6/1/2011                                   | \$ 3,400,000                              |
| SWPA               | 5TRUM-W# - HERGETT 161KV CKT 1                        | Indeterminate  | 6/1/2013                             | 6/1/2013                                   | \$ -                                      |
| SWPA               | KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1      | Replace transformer  | 6/1/2013                             | 6/1/2013                                   | \$ 1,500,000                              |
| SWPA               | POPLAR BLUFF (PBL X1) 161/69/13.8KV TRANSFORMER CKT 1 | Replace Poplar Bluff Xlrm 2  | 6/1/2010                             | 6/1/2010                                   | \$ 1,500,000                              |
| SWPA               | POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1 | Replace Poplar Bluff Xlrm 2  | 6/1/2010                             | 6/1/2010                                   | \$ 1,500,000                              |
| SWPA               | POPLAR BLUFF (PBL X3) 161/69/13.8KV TRANSFORMER CKT 1 | Replace Poplar Bluff Xlrm 2  | 6/1/2010                             | 6/1/2010                                   | \$ 1,500,000                              |
| WFEC               | FT SUPPLY - WOODWARD 69KV CKT 1                       | Reconductor 18.0 miles from 336 to 795 ACSR  | 6/1/2008                             | 6/1/2011                                   | \$ 4,500,000                              |

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

| Transmission Owner | Upgrade   | Solution   | Earliest Date Upgrade Required (COD) | Estimated Date of Upgrade Completion (EOC) |
|--------------------|---|--|--------------------------------------|--|
| AEPW               | BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1                       | Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE   | 6/1/2009                             | 6/1/2011                                   |
| AEPW               | BROKEN BOW - GRAIG JUNCTION 138KV CKT 1                                       | Rebuild 7.66 miles of 330 CWC CU with 795 ACSR   | 9/1/2008                             | 6/1/2009                                   |
| AEPW               | COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW                                    | Tie Line. Reconductor 1.09 miles of 795 ACSR with 1590 ACSR.   | 6/1/2009                             | 6/1/2010                                   |
| AEPW               | COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1                              | Rebuild 13.11 miles of 795 ACSR with 1590 ACSR.  | 6/1/2009                             | 6/1/2011                                   |
| AEPW               | MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2                                 | Replace Jumpers @ N. Magazine  | 6/1/2010                             | 6/1/2010                                   |
| AEPW               | MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW                                | Rebuild 7.43 miles of 250 CWC with 795 ACSR  | 6/1/2010                             | 6/1/2010                                   |
| AEPW               | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1              | Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs | 9/1/2008                             | 6/1/2009                                   |
| AEPW               | SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2              | Replace Auto, two 138 kV breakers and five 138 kV switches. Reset relays and CTs   | 9/1/2008                             | 6/1/2009                                   |
| EMDE               | SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1 Displacement | Change CT setting on Breaker #6973 at Baxter #271  | 12/1/2008                            | 4/1/2009                                   |
| KACP               | MARTIN CITY - REDEL 161KV CKT 1   | reconductor 1.192 acss upgrade terminal equip 2000 amp   | 6/1/2009                             | 6/1/2011                                   |
| OKGE               | MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE                                | Replace Jumpers @ N. Magazine  | 6/1/2010                             | 6/1/2010                                   |
| OKGE               | MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE                                | Replace Jumpers @ N. Magazine  | 6/1/2010                             | 6/1/2010                                   |
| SPRM               | BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1                                  | BATTLEFIELD - SOUTHWEST DISPOSAL 161KV CKT 1: Reconductor 161KV Line 1192 MCM AAC to 954 kcmil ACSS/TW 2.71 miles and Upgrade Terminal Equipment                                     | 6/1/2014                             | 6/1/2009                                   |
| SPRM               | BROOKLINE - JUNCTION 161KV CKT 1  | Brookline: Replace 1,200 amp switches with 2,000 amp units and replace metering CTs. Junction: Replace 1,200 amp switches with 2,000 amp units.                                      | 6/1/2013                             | 6/1/2013                                   |
| SPRM               | SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1                                    | SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1: Reconductor 161KV Line 1192 MCM AAC to 954 kcmil ACSS/TW 0.67 miles and Upgrade Terminal Equipment                                       | 6/1/2014                             | 6/1/2009                                   |
| WERE               | ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement                              | Replace Disconnect Switches and Bus Jumpers at Paris and Ark City 69 kv substations  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2                       | Add second Auburn 230-115 kv transformer.  | 6/1/2009                             | 6/1/2009                                   |
| WERE               | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE                                    | Tie Line. Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.   | 6/1/2009                             | 6/1/2010                                   |
| WERE               | COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2                                 | Replace Terminal Equipment.  | 6/1/2009                             | 6/1/2010                                   |
| WERE               | CRESWELL - OAK 69KV CKT 1 #1 Displacement                                     | Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1 Displacement               | Rebuild 27 miles 345kv construction operated as 230kv  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | East Manhattan - SW Manhattan 115kv Displacement                              | Build new 115kv line from East Manhattan to new SW Manhattan substation  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | EAST MANHATTAN (EMANTH3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement       | Add second parallel 230-115kv transformer at E Manhattan   | 6/1/2013                             | 6/1/2013                                   |
| WERE               | East Manhattan to McDowell 230 Kv   | The East Manhattan-McDowell 115 kv is built as a 230 kv line, but is operated at 115 kv. Substation work will have to be performed in order to convert this line.                    | 6/1/2013                             | 6/1/2013                                   |
| WERE               | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1 Displacement             | Upgrade disconnect switches, wavetraps, breaker, jumpers to upgrade B rating to 414MVA   | 6/1/2010                             | 6/1/2010                                   |
| WERE               | NEOSHO - NORTHEAST PARSONS 138KV CKT 1  | Replace bus and Jumpers at NE Parsons 138 kv substation  | 6/1/2013                             | 6/1/2009                                   |
| WERE               | ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement            | Add third 345-138 kv transformer at Rose Hill  | 9/1/2008                             | 6/1/2011                                   |
| WERE               | STRANGER CREEK - NW LEAVENWORTH 115KV   | Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kv line and tap in & out of Stranger 115 kv  | 6/1/2009                             | 6/1/2009                                   |
| WERE               | TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1                                  | Convert 161 kv Line to 115 kv Operation  | 6/1/2009                             | 6/1/2009                                   |
| WERE               | WICHITA - RENO 345KV  | 40 mile 345 kv transmission line from existing Wichita 345 kv substation to a new 345-115 kv substation in Reno County east northeast of Hutchinson (Wichita to Reno)                | 9/1/2008                             | 12/1/2008                                  |
| WERE               | WICHITA - RENO 345KV  | Build 345kv from Wichita to Reno Co  | 9/1/2008                             | 12/1/2008                                  |

**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) |
|--------------------|---|---|--------------------------------------|--|
| 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. | 6/1/2013                             | 6/1/2013                                   |
| AEPW               | ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2                               | used the IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value. | 6/1/2013                             | 6/1/2013                                   |
| AEPW               | BENTONVILLE SHANE LANE - EAST CENTERTON 161KV CKT 1                                   | Replace switches and sub conductor  | 6/1/2013                             | 6/1/2013                                   |
| AEPW               | CHAMBER SPRINGS - FARMINGTON AECC 161KV CKT 1   | Rebuild / reconductor 10.24 miles of line with 2156 ACSR.   | 6/1/2013                             | 6/1/2013                                   |
| AEPW               | FLINT CREEK - EAST CENTERTON 161KV CKT 1  | Reconductor Flint Creek-East Centerton 161 kv with 2156 conductor   | 6/1/2013                             | 6/1/2013                                   |
| AEPW               | LAWTON EASTSIDE (LES 2) 138/69/13.8KV TRANSFORMER CKT 2                               | Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos.  | 12/1/2012                            | 12/1/2012                                  |
| AEPW               | SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1                           | Rebuild 2.29 miles of 2-397.5 ACSR with 2-795 ACSR. Double Circuit the line and add terminal @ SW Shreveport to eliminate three terminal line.          | 6/1/2009                             | 6/1/2009                                   |
| EMDE               | JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1   | Install new line from Sub #439 to new Sub Joplin 59.  | 6/1/2012                             | 6/1/2013                                   |
| EMDE               | JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1                       | Install 3-wind transformer from 161 kv Joplin 59 bus to Sub #59 Joplin 26th St.   | 6/1/2012                             | 6/1/2013                                   |
| EMDE               | SUB 383 - MONETT - SUB 376 - MONETT CITY SOUTH 161/69/12.5KV TRANSFORMER CKT 1        | Install new line from Sub #383 to new Sub MONETT 5. Install 3-wind transformer from 161 kv new bus to Monett city south 69kv                            | 6/1/2017                             | 6/1/2017                                   |
| EMDE               | SUB 438 - RIVERSIDE 161KV   | Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 547497   | 6/1/2013                             | 6/1/2013                                   |
| GRDA               | 412SUB - KANSAS TAP 161KV CKT 1   | Reconductor 9.7 miles with 1590MCM ACSR.  | 6/1/2009                             | 6/1/2009                                   |
| GRDA               | AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1                                      | Replace 50 MVA Transformer with 84 MVA unit.  | 6/1/2010                             | 6/1/2010                                   |
| KACP               | REDEL - STILWELL 161KV CKT 1  | Reconductor line with 1192 ACSR and upgrade terminal equipment for 2000 amps  | 9/1/2008                             | 6/1/2011                                   |
| MIDW               | LYONS - WHEATLAND 115KV CKT 1 MIDW  | Rebuild 98.5% ownership of 19.4 miles   | 6/1/2013                             | 6/1/2013                                   |
| MIDW               | ST JOHN 115KV Capacitor #1  | Install 20 MVAR Capacitor   | 6/1/2010                             | 6/1/2010                                   |
| MIDW               | ST JOHN 115KV Capacitor #2  | Install 8mvar capacitor   | 6/1/2017                             | 6/1/2017                                   |
| MIPU               | GRANDVIEW EAST - MARTIN CITY 161KV CKT 1 #2   | Reconductor to Bundled Drake  | 6/1/2012                             | 6/1/2012                                   |
| OKGE               | ALVA - KNOBHILL 69KV CKT 1  | Replace bus differential relaying and increase CTR to 600A.   | 6/1/2010                             | 6/1/2010                                   |
| OKGE               | ARKOMA - FT SMITHW 161KV CKT 1  | Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS2.  | 6/1/2010                             | 6/1/2011                                   |
| OKGE               | BROWN - EXPLORER TAP 138KV CKT 1  | Replace .09 miles of 267AS33 with 795AS33 conductor.  | 6/1/2013                             | 6/1/2013                                   |
| OKGE               | BROWN TAP - EXPLORER TAP 138KV CKT 1  | Reconductor .27 miles of line to 795AS33.   | 6/1/2013                             | 6/1/2013                                   |
| OKGE               | GLASSES - RUSSETT 138KV CKT 1   | Rebuild 8.38 miles of 138KV line with 795AS33, replace line relays, increase trap   | 6/1/2010                             | 6/1/2011                                   |
| OKGE               | RUSSETT - RUSSETT 138KV CKT 1 OKGE  | Replace trap and increase CTR. Pending verification of relays.  | 6/1/2013                             | 6/1/2013                                   |
| SPRM               | JAMES RIVER - TWIN OAKS 69KV CKT 1  | Reconductor 69KV Line 636 MCM ACSR to 762.8 kcmil ACSR/TW 3.103 miles   | 6/1/2015                             | 6/1/2015                                   |
| SPRM               | KICKAPOO - SUNSET 69KV CKT 1  | Reconductor 69KV Line 636 MCM ACSR to 762.8 kcmil ACSR/TW 1.35 miles.   | 6/1/2015                             | 6/1/2015                                   |
| SPRM               | NEERGARD - NORTON 69KV CKT 1  | Transfer load & Reconductor 336.4 kcmil ACSR with 477 ACSR/TW   | 6/1/2009                             | 6/1/2010                                   |
| SPS                | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1                                       | Upgrade 115/69 kv transformer (84/96 MVA)   | 6/1/2012                             | 6/1/2012                                   |
| SPS                | CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2                                       | Upgrade 115/69 kv transformer (84/96 MVA)   | 6/1/2012                             | 6/1/2012                                   |
| SPS                | DALHERT - CHANNING 115KV  | Build Dalhart-Channing and Convert Channing-Tacosa-Northwest Interchange from 69 to 115 kv with 795 ACSR  | 6/1/2012                             | 6/1/2012                                   |
| SPS                | DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3                             | Add third 230/115 kv auto (150/175.2 MVA)   | 6/1/2015                             | 6/1/2015                                   |
| SPS                | NICHOLS STATION - WHITAKER SUB 115KV CKT 1  | Upgrade jumper at Nichols Sta. on Nichols-Whitaker Sub line. Replace with 397.5 with 795 ACSR cable   | 6/1/2010                             | 6/1/2010                                   |
| SPS                | OSAGE SWITCHING STATION - SOUTH GEORGIA INTERCHANGE 115KV CKT 1                       | Reconductor 4 miles of line between Georgia-Osage 397.5 with 795 ACSR cable   | 6/1/2016                             | 6/1/2016                                   |
| SPS                | TERRY COUNTY INTERCHANGE - WOLFORTH INTERCHANGE 115KV CKT 1                           | Upgrade jumper at Terry Co. to a higher rating. Replace 4/0 with 397.5 ACSR cable   | 6/1/2010                             | 6/1/2010                                   |
| SPS                | TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1  | Install 345/115 kv Transformer at Tucu  | 6/1/2017                             | 6/1/2017                                   |
| SUNC               | HOLCOMB - PLYMELL 115KV CKT 1   | Rebuild Holcomb to Plymell  | 6/1/2009                             | 12/1/2009                                  |
| SUNC               | PIONEER TAP - PLYMELL 115KV CKT 1   | Rebuild Plymell to Pioneer Tap  | 6/1/2009                             | 12/1/2009                                  |
| SWPA               | BULL SHOALS - BULL SHOALS 161KV CKT 1   | Replace buswork in Bull Shoals switchyard.  | 6/1/2010                             | 6/1/2010                                   |
| SWPA               | CLARKSVILLE - DARDANELLE 161KV CKT 1  | Reconductor Clarksville-Dardanelle line   | 6/1/2010                             | 6/1/2011                                   |
| SWPA               | DARDANELLE - DARDANELLE 161KV CKT 1   | Indeterminate   | 6/1/2010                             | 6/1/2010                                   |
| SWPA               | DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA                                      | Replace wave trap, disconnect switches, current transformers, and breaker.  | 6/1/2010                             | 6/1/2011                                   |
| SWPA               | JOINES - JONESBORO 161KV CKT 1 SWPA   | Replace bus.  | 6/1/2010                             | 6/1/2011                                   |
| SWPA               | NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1   | Indeterminate   | 6/1/2013                             | 6/1/2013                                   |
| SWPA               | SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1                                  | Replace with 70MVA transformer.   | 6/1/2009                             | 6/1/2009                                   |
| SWPA               | SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1                                  | Replace Springfield Xfmr 3  | 6/1/2010                             | 6/1/2010                                   |
| SWPA               | SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1                                  | Replace Springfield Xfmr 3  | 6/1/2010                             | 6/1/2010                                   |
| WEPL               | CLAY CENTER - GREENLEAF 115KV CKT 1   | Building a new 115 kv tie with Westar from Greenleaf to Clay Center   | 9/1/2008                             | 6/1/2011                                   |
| WEPL               | HARPER 138KV Capacitor  | Install 1 - 20 Mvar capacitor bank  | 9/1/2008                             | 6/1/2009                                   |
| WEPL               | PHILLIPSBURG - RHOADES 115 kv   | Install 35 miles 115 kv from Phillipsburgsubstation to Rhoades  | 9/1/2008                             | 6/1/2009                                   |
| WEPL               | PRATT 115KV Capacitor   | Install 1 - 20 Mvar capacitor bank  | 9/1/2008                             | 6/1/2009                                   |
| WERE               | 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1   | Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kv line.  | 6/1/2010                             | 6/1/2011                                   |
| WERE               | BISMARCK JUNCTION SWITCHING STATION - FARMERS CONSUMER CO-OP 115KV CKT 1              | Rebuild 5.2 miles 115 kv line from BISMARCK3 to COOP3   | 6/1/2015                             | 6/1/2015                                   |
| WERE               | BISMARCK JUNCTION SWITCHING STATION - MIDLAND JUNCTION 115KV CKT 1                    | Rebuild 5.2 miles 115 kv line from BISMARCK3 to MIDLAND3  | 6/1/2015                             | 6/1/2015                                   |
| WERE               | 8PU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1 | Rebuild Line  | 9/1/2008                             | 6/1/2011                                   |
| WERE               | CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1  | Reset terminal equipment  | 9/1/2008                             | 6/1/2011                                   |
| WERE               | COWSKIN - WESTLINK 69KV   | Rebuild 2.11 miles  | 6/1/2010                             | 6/1/2010                                   |
| WERE               | EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2                                  | Reconductor 8.02 miles with Bundled 1192.5 ACSR   | 6/1/2016                             | 6/1/2016                                   |
| WERE               | FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1              | Rebuild 1.53-mile Co-op-Wakarusa 115 kv line.   | 6/1/2011                             | 6/1/2011                                   |
| WERE               | GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1                                      | Replace wave trap   | 6/1/2013                             | 6/1/2013                                   |
| WERE               | GILL ENERGY CENTER EAST - OATVILLE 69KV CKT 1   | Tear down / Rebuild 3.69-mile Gill-Gill Junction-Oatville 69 kv line using 1192.5 kcmil ACSR  | 9/1/2008                             | 6/1/2008                                   |
| WERE               | HEC-HEC GT-Circle 115KV   | Rebuild and convert HEC-HEC GT-Circle loop to 115 kv.   | 9/1/2008                             | 6/1/2009                                   |
| WERE               | HOOVER SOUTH - TYLER 69KV   | Rebuild 1.94 miles  | 6/1/2010                             | 6/1/2010                                   |
| WERE               | LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1                        | Rebuild 5.49 miles  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | LYONS - WHEATLAND 115KV CKT 1 WERE  | Rebuild 1.5% ownership of 19.4 miles  | 6/1/2013                             | 6/1/2013                                   |
| WERE               | NORTHVIEW - SUMMIT 115KV CKT 1  | Tear down / Rebuild 7.23-mile Summit-Northview 115 kv, 1192.5 kcmil ACSR  | 9/1/2008                             | 12/1/2009                                  |
| WERE               | NORTHWEST LEAVENWORTH - STRANGER CREEK - JARBALO 115KV                                | Tear down/rebuild 7.21 mile Jarbalo-NW Leavenworth 115 kv line with double circuit tap to Stranger Creek.   | 6/1/2010                             | 6/1/2011                                   |
| WERE               | SOUTHGATE - SUMMIT 115KV CKT 1  | Build 6.5-mile Summit-Southgate 115 kv, 1192.5 kcmil ACSR   | 9/1/2008                             | 12/1/2009                                  |
| WERE               | SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1                  | Tear down Northview-South Gate 115 kv   | 9/1/2008                             | 12/1/2009                                  |
| WERE               | Summit - NE Saline 115 kv   | Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kv line  | 6/1/2010                             | 6/1/2011                                   |
| WERE               | TYLER - WESTLINK 69KV   | Tear down / Rebuild 7.23-mile Summit-Northview 115 kv, 1192.5 kcmil ACSR  | 9/1/2008                             | 12/1/2009                                  |
| WERE               | WEST MCPHERSON - WHEATLAND 115KV CKT 1  | Build 6.5-mile Summit-Southgate 115 kv, 1192.5 kcmil ACSR   | 9/1/2008                             | 12/1/2009                                  |
| WFEC               | ACME - WEST NORMAN 69KV CKT 1   | Tear down Northview-South Gate 115 kv   | 6/1/2010                             | 6/1/2010                                   |
| WFEC               | ANADARKO - CYRIL 69KV CKT 1   | Rebuild 2.66 miles and operate line normally closed   | 9/1/2008                             | 6/1/2010                                   |
| WFEC               | MOORELAND - MOREWOOD SW 138KV CKT 1   | Upgrade TO 795 ACSR FROM ANADARKO SW TO CYRIL , Anadarko-Cyril 12.9   | 9/1/2008                             | 6/1/2009                                   |
| WFEC               | Norman Area Voltage Conversion  | UPGRADE TO 795 ACSR FROM ANADARKO SW TO CYRIL , Anadarko-Cyril 12.9   | 9/1/2008                             | 6/1/2009                                   |
| WFEC               | RUSSETT - RUSSETT 138KV CKT 1 WFEC  | Convert Canadian - OU - Cole - Criner to 138 KV and Canadian-Goldsby-OU-W Norman-Acme-Franklin  | 6/1/2010                             | 6/1/2010                                   |
| WFEC               |   | Upgrade Terminal Equip CTs at Russett   | 6/1/2013                             | 6/1/2013                                   |

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

**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                 | Valliant 345 KV line terminal   | 7/1/2012                             | 7/1/2012                                   |
| EMDE               | SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1 | Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR   | 6/1/2011                             | 6/1/2011                                   |
| KACP               | LACYGNE - WEST GARDNER 345KV CKT 1                      | KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006   | 6/1/2006                             | 6/1/2006                                   |
| OKGE               | KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1     | Replace bus tie with 100MVA transformer   | 6/1/2006                             | 6/1/2008                                   |
| WERE               | RENO 345/115KV CKT 1                                    | New stepdown transformer at a new substation in Reno County east northeast of Hutchinson  | 12/1/2008                            | 12/1/2008                                  |
| WERE               | RENO 345/115KV CKT 2                                    | Install 2nd stepdown transformer at Reno County substation east northeast of Hutchinson   | 12/1/2009                            | 12/1/2009                                  |
| 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 | 12/1/2009                            | 12/1/2009                                  |
| WERE               | WICHITA - RENO 345KV                                    | 40 mile 345 kV transmission line from existing Wichita 345 kV substation to a new 345-115 kV substation in Reno County east northeast of Hutchinson (Wichita to Reno)   | 12/1/2008                            | 12/1/2008                                  |
| WERE               | WICHITA - RENO 345KV                                    | Build 345kV from Wichita to Reno Co   | 12/1/2008                            | 12/1/2008                                  |
| WFEC               | FT SUPPLY 138/69KV TRANSFORMER CKT 1                    | Install 2nd 70 MVA auto at Ft Supply  | 12/1/2006                            | 6/1/2008                                   |
| WFEC               | HUGO POWER PLANT - VALLIANT 345 KV WFEC                 | New 345/138 kv Auto, and 19 miles 345 KV  | 7/1/2012                             | 7/1/2012                                   |

**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               | CLINTON - HOLDEN 161KV CKT 1   | Indeterminate                               | 06/01/13                             | 06/01/13                                   | Indeterminate                             |
| AECI               | FRANKS - FT WOOD 161KV CKT 1   | Indeterminate                               | 06/01/10                             | 06/01/10                                   | Indeterminate                             |
| AECI               | PHILLIPS (PHILLIPS) 161/69/7.2KV TRANSFORMER CKT 1                   | Indeterminate                               | 06/01/10                             | 06/01/10                                   | Indeterminate                             |
| AECI               | SUB 184 - NEOSHO SOUTH JCT. (NEOSHO) 161/69/13.2KV TRANSFORMER CKT 1 | Indeterminate                               | 06/01/13                             | 06/01/13                                   | Indeterminate                             |
| AMRN               | CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1                        | Indeterminate                               | 06/01/10                             | 06/01/10                                   | Indeterminate                             |
| ENTR               | 3ALPINE# 115.00 - 3AMITY * 115.00 115KV CKT 1                        | Indeterminate                               | 04/01/08                             | 04/01/08                                   | Indeterminate                             |
| ENTR               | 3ALPINE# 115.00 - 3BISM RK 115KV CKT 1                               | Indeterminate                               | 04/01/08                             | 04/01/08                                   | Indeterminate                             |
| ENTR               | 3BISM RK - 3HSEHW 115KV CKT 1  | Indeterminate                               | 04/01/08                             | 04/01/08                                   | Indeterminate                             |
| ENTR               | 4KSPRGS 138.00 - CHAMPAGNE 138KV CKT 1                               | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | 4KSPRGS 138.00 - LINE 642 TAP 138KV CKT 1                            | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | 4TAMINA 138.00 - TAMINA 138KV CKT 1                                  | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | 5BEE BR - QUITMAN 161KV CKT 1  | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | 5CLINTN - CLINTON WEST (AECC) 161KV CKT 1                            | Indeterminate                               | 06/01/10                             | 06/01/10                                   | Indeterminate                             |
| ENTR               | 5ST_JOE 161.00 - EVERTON 161KV CKT 1                                 | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | 8WELLS 500.00 500/230KV TRANSFORMER CKT 1                            | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | CHINA - SABINE 230KV CKT 1   | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | CLARENCE - MONTGOMERY 230KV CKT 1 ENTR                               | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | EVERTON - HARRISON-EAST 161KV CKT 1                                  | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | HARTBURG - INLAND-ORANGE 230KV CKT 1                                 | Indeterminate                               | 06/01/08                             | 06/01/08                                   | Indeterminate                             |
| ENTR               | LINE 642 TAP - LIVONIA BULK 138KV CKT 1                              | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | LIVONIA BULK - WILBERT 138KV CKT 1                                   | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |
| ENTR               | MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR                       | Rebuild 7.43 miles of 250 CWC with 795 ACSR | 06/01/10                             | 06/01/10                                   | Indeterminate                             |
| ENTR               | OAK RIDGE - TAMINA 138KV CKT 1                                       | Indeterminate                               | 06/01/09                             | 06/01/09                                   | Indeterminate                             |