



# **SPP** *Southwest Power Pool*

***Aggregate System Impact Study  
SPP-2005-AG1-ASIS  
For Transmission Service  
Requested By  
Aggregate Transmission Customers***

***SPP Engineering, Tariff Studies***

*SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2005-AG1-ASIS)*

*August 8, 2005 (Revision August 19, 2005)*

# Table of Contents

<b>1. EXECUTIVE SUMMARY .....</b>	<b>3</b>
<b>2. INTRODUCTION .....</b>	<b>3</b>
<b>3. STUDY METHODOLOGY.....</b>	<b>4</b>
<b>A. DESCRIPTION .....</b>	<b>4</b>
<b>B. MODEL DEVELOPMENT .....</b>	<b>5</b>
<b>C. TRANSFER ANALYSIS .....</b>	<b>5</b>
<b>4. STUDY RESULTS .....</b>	<b>5</b>
<b>A. STUDY ANALYSIS RESULTS .....</b>	<b>5</b>
<b>5. CONCLUSION .....</b>	<b>7</b>
<b>APPENDIX .....</b>	<b>8</b>

## **1. Executive Summary**

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), approximately 6000 MW of long-term transmission service requests have been studied in aggregate. The principal objective of the study is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability. Facility upgrade costs are allocated to all requests positively impacting any individual overloaded facility on a prorated basis. 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 facilities upgrade cost determined by the Aggregate System Impact Study is over \$500 Million. Final cost allocation and potential base plan funding will be determined during the Aggregate Facility Study.

## **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. The proposed cost allocation and cost recovery provisions were accepted for filing and suspended to become effective the earlier of five months from the requested effective date (July 1, 2005) or a further order of the Commission in the proceeding subject to refund. Since that time, the cost allocation and cost recovery provisions have been accepted with modification. The following hyperlink can be used to access the SPP Regulatory/FERC webpage: ([http://www.spp.org/Objects/FERC\\_filings.cfm](http://www.spp.org/Objects/FERC_filings.cfm)). The hyperlinks under the heading *ER05-109 (Attach Z Filing)* open Southwest Power Pool’s October 29, 2004 filing containing Attachment Z to the SPP OATT and the Commission’s January 21, 2005 Order. In compliance with this Order, the first open season commenced on February 1, 2005. All requests for long-term transmission service received prior to June 1, 2005 with a signed study agreement were then included in the first Aggregate Transmission Service Study (ATSS). This report signals the completion of the first stage of the ATSS, the Aggregate System Impact Study (ASIS). In order to enter the second stage of the ATSS, the Aggregate Facility Study (AFS), another agreement must be executed by each customer. The Aggregate Facility Study Agreement (AFSA) has been tendered to the customer contact given on each OASIS request, and a fifteen-day window has been opened to allow for agreement execution.

Approximately 6000MW of long-term transmission service has been studied and over \$500 Million in transmission upgrades is being proposed. The results of the ASIS are detailed in Tables 1 through 3. 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 hyperlink can be used to access the SPP OATT: ([http://www.spp.org/Publications/SPP\\_Tariff.pdf](http://www.spp.org/Publications/SPP_Tariff.pdf)). The individual

*SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2005-AG1-ASIS)*

*August 8, 2005 (Revision August 19, 2005)*

upgrade costs by study are provided as a range due to the uncertainty of final customer participation. The lower cost is based upon the allocation of costs to all customers in the ASIS who positively impact facilities subsequently overloaded by the ASIS. The higher cost is determined by allocating the total cost of each upgrade required by an individual study to that study. 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.

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 facility upgrades. Network Integration Service customers pay the total monthly transmission access charges, the monthly revenue requirement associated with the facility upgrades, and any direct assignment charges. Customers paying the above charges may receive credits in accordance with Section VI.B.

### **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 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

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 69 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 thirteen seasonal models to study the aggregate transfers of 5855 MW over a variety of requested service periods. The SPP MDWG 2005 Series Cases Update 3 2005 Fall Peak (05FA), 2005/06 Winter Peak (05WP), 2006 April Minimum (06AP), 2006 Spring Peak (06G), 2006 Summer Shoulder (06SH), 2006 Summer Peak (06SP), 2006 Fall Peak (06FA), 2006/07 Winter Peak (06WP), 2007 Summer Peak (07SP), 2007/08 Winter Peak (07WP), 2010 Summer Peak (10SP), 2010/11 Winter Peak (10WP), and 2015 Summer Peak (15SP) 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. Four groups of requests were developed from the aggregate of 5855 MW in order to minimize counterflows among requested service. Each request was included in two to four groups depending on the requested path. From the thirteen seasonal models, three system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2005 Series Cases flowing in a West to East direction with ERCOT exporting and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2005 Series Cases flowing in an East to West direction with ERCOT net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2005 Series Cases flowing in a West to East direction with ERCOT net importing and SPS importing from an outside zone and importing from 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. 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 below 0.90 pu) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

# **4. Study Results**

## **A. Study Analysis Results**

Tables 1 through 3 contain the steady-state analysis results of the ASIS. Table 1 identifies the participating long-term transmission service requests included in the ASIS. This table provides the cost range, potential base plan funding allowance, point-to-point base rate charge, and

*SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2005-AG1-ASIS)*

*August 8, 2005 (Revision August 19, 2005)*

deferral period for each request. Table 2 provides additional details for each request including all facility upgrades required and allocated costs for each upgrade. These costs are provided in a range derived from the two possibilities that all requests will execute service agreements or that only the detailed request will execute a service agreement. Table 3 lists all upgrade requirements and solutions needed to provide transmission service for the ASIS.

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 and upon SPP Board of Directors approval. If all conditions are met, the higher of the requested designated resource capacity (MW), or the designated resource maximum capacity not exceeding the 125% resource to load determination is multiplied by \$180,000/MW to determine potential base plan funding allowable. For example, a 50MW request that meets all other conditions and increases the resource to load determination from 115% to 120% would result in \$9,000,000 of potential base plan funding allowable. Any allocated customer costs in excess of base plan funding will be assigned to the customer.

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. The AFS will define the 125% resource to load determination on a total designated resource capacity requested per Customer basis.

Base plan funding verification requires that each Transmission Customer with potential for base plan funding provide SPP power supply contracts or agreements verifying that the firm capacity of the requested designated resource is committed for a minimum five year duration from the start of service prior to the tendering of the Service Agreement.

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 Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all customers in the ASIS who positively impact facilities by at least 3% subsequently overloaded by the ASIS.

The AFS will utilize the allocated customer E & C cost in a present worth analysis to determine the levelized revenue requirement of each facility upgrade over the term of the reservation. The upgrade levelized revenue requirements include interest, depreciation, and carrying costs. Therefore, the levelized revenue requirements for facilities upgrades will be higher than the estimated E & C costs included in this study.

## **5. Conclusion**

The results of the ASIS 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 2. Any solutions, upgrades, and costs provided in the ASIS are planning estimates and will be refined in the AFS. The final ATC and upgrades required may vary from these results due to unknown facility upgrades caused by assigned upgrades, proposed transmission plans that may be identified during the facility study process, and withdrawal of participating long-term transmission service requests included in the ASIS.

Execution of an AFSA is now required to maintain participation in the ATSS. The final ATC, upgrade solutions, cost assignments, deferral periods, renewal right evaluation, and available redispatch and curtailment options will be determined upon the completion of the AFS.

## Appendix

### PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

#### BASE CASES:

Solutions - Fixed slope decoupled Newton-Raphson solution (FDNS)

1. Tap adjustment – Stepping
2. Area interchange control – Tie lines only
3. Var limits – Apply immediately
4. Solution options -  Phase shift adjustment
  - Flat start
  - Lock DC taps
  - Lock switched shunts

#### ACCC CASES:

Solutions – AC contingency checking (ACCC)

1. MW mismatch tolerance – 0.5
2. Contingency case rating – Rate B
3. Percent of rating – 100
4. Output code – Summary
5. Min flow change in overload report – 1mw
6. Excl'd cases w/ no overloads form report – YES
7. Exclude interfaces from report – NO
8. Perform voltage limit check – YES
9. Elements in available capacity table – 60000
10. Cutoff threshold for available capacity table – 99999.0
11. Min. contng. case Vltg chng for report – 0.02
12. Sorted output – None

#### Newton Solution:

1. Tap adjustment – Stepping
2. Area interchange control – Tie lines only
3. Var limits - Apply automatically
4. Solution options -  Phase shift adjustment
  - Flat start
  - Lock DC taps
  - Lock switched shunts



**Table 1 - Long-Term Transmission Service Requests Included in the Aggregate System Impact Study**

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated Cost	Total Cost
APM	AG1-2005-001	851299	AECI	OKGE	13	5/1/2005	5/1/2006	11/1/2006	11/1/2007	\$ -	\$ -	\$ 28,470	\$ 3,000,000
CSWM	AG1-2005-003	857419, 857421	WFEC	CSWS	31	11/1/2005	11/1/2017	6/1/2008	8/1/2019	\$ 5,580,000	\$ 4,687,200	\$ 3,466,765	\$ 31,390,000
CSWM	AG1-2005-010	874566	SPS	CSWS	100	4/1/2006	4/1/2016	6/1/2008	6/1/2018	\$ 18,000,000	\$ 12,600,000	\$ 59,098,677	\$ 232,958,267
CSWM	AG1-2005-010, AG1-2005-071	874565, 874586	SPS	CSWS	100	4/1/2006	4/1/2016	6/1/2008	6/1/2018	\$ 18,000,000	\$ 12,600,000	\$ 59,098,677	\$ 232,958,267
CSWM	AG1-2005-069	852362	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 1,896,107	\$ 7,425,000
CSWM	AG1-2005-069	852367	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 3,500,960	\$ 12,125,000
CSWM	AG1-2005-070	852370	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 800,235	\$ 3,795,000
CSWM	AG1-2005-070	852371	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 3,736,922	\$ 18,287,000
CSWM	AG1-2005-072	874597	CSWS	CSWS	41	12/1/2005	12/1/2015	6/1/2008	6/1/2018	\$ 7,380,000	\$ -	\$ 1,826,420	\$ 80,094,390
CSWM	AG1-2005-073, AG1-2005-012	881466, 881467	CSWS	CSWS	80	6/1/2006	6/1/2026	6/1/2008	6/1/2028	\$ 14,400,000	\$ 20,160,000	\$ 8,909,810	\$ 20,640,000
CSWM	SPP-2004-185, SPP-2004-200	795005, 798927, 841761, 841762	WFEC	CSWS	120	11/1/2005	1/1/2017	6/1/2008	8/1/2019	\$ 21,600,000	\$ 16,884,000	\$ 13,630,898	\$ 31,390,000
EDE	AG1-2005-020	884286	KCPL	EDE	5	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 825,674	\$ 47,715,500
EDE	SPP-2004-092	683517	KCPL	EDE	50	6/1/2008	6/1/2028			\$ 1,440,000	\$ -	\$ 8,260,288	\$ 47,715,500
EDE	SPP-2004-092	683521	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	\$ 47,715,500
EDE	SPP-2004-092	683523	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	\$ 47,715,500
EDE	SPP-2004-092	683525	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	\$ 47,715,500
GRDA	AG1-2005-063	895350	GRDA	WFEC	17	10/1/2005	1/1/2007	6/1/2007	9/1/2008	\$ -	\$ -	\$ 217,551	\$ 2,387,000
GSEC	AG1-2005-062	895344	SECI	SPS	300	5/1/2010	5/1/2040			\$ 54,000,000	\$ -	\$ 96,201,725	\$ 159,347,456
INDP	AG1-2005-013	874649	KCPL	INDN	50	6/1/2010	6/1/2020			\$ -	\$ 5,280,723	\$ 3,465,502	\$ 19,000,000
KBPU	SPP-2004-150	759721	SPA	KACY	39	12/1/2004	12/1/2005	4/1/2007	4/1/2008	\$ -	\$ 411,558	\$ 495,125	\$ 7,195,000
KEPC	AG1-2005-019	882947	KCPL	WR	50	6/1/2010	6/1/2020			\$ 9,000,000	\$ -	\$ 3,386,774	\$ 22,750,000
KEPC	AG1-2005-040	893889	WR	WR	61	10/1/2005	10/1/2008	4/1/2008	4/1/2011	\$ -	\$ -	\$ 8,761,396	\$ 65,895,200
KEPC	AG1-2005-041	894024	WR	EDE	6	10/1/2005	10/1/2008	4/1/2008	4/1/2011	\$ -	\$ -	\$ 4,186,442	\$ 107,921,837
KEPC	AG1-2005-042	894030	SPA	EDE	6	10/1/2005	10/1/2008	4/1/2007	4/1/2010	\$ -	\$ -	\$ 468,822	\$ 4,890,000
KMEA	AG1-2005-031	889194	GRDA	WPEK	3	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 704,160	\$ 457,946	\$ 49,112,086
KMEA	AG1-2005-033	889643	GRDA	WR	5	5/1/2010	5/1/2026			\$ -	\$ 1,248,000	\$ 810,419	\$ 41,650,200
KMEA	AG1-2005-034	889649	GRDA	WR	20	5/1/2010	5/1/2026			\$ -	\$ 4,992,000	\$ 2,929,837	\$ 20,127,000
KMEA	AG1-2005-035	889654	GRDA	KCPL	19	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ 3,420,000	\$ 4,012,800	\$ 2,264,385	\$ 43,576,086
KMEA	AG1-2005-036	889666	GRDA	WR	3	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 936,000	\$ 629,495	\$ 44,675,200
KMEA	AG1-2005-037	889667	GRDA	WR	21	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 6,552,000	\$ 4,318,680	\$ 30,022,000
KPP	AG1-2005-078	896877	GRDA	WR	18	5/1/2006	5/2/2026	6/1/2007	6/1/2027	\$ -	\$ -	\$ 3,694,859	\$ 23,322,000
MIDW	AG1-2005-056	895203, 895204	WR	WR	25	6/1/2006	6/1/2009	5/1/2007	5/1/2010	\$ -	\$ -	\$ 2,257,331	\$ 35,660,086
MIDW	AG1-2005-057	895205, 895206	WPEK	WR	25	6/1/2006	6/1/2009	4/1/2008	4/1/2011	\$ -	\$ -	\$ 1,505,916	\$ 91,414,003
MIDW	AG1-2005-058	895207, 895208	KCPL	WR	25	6/1/2006	6/1/2009	5/1/2007	5/1/2010	\$ -	\$ -	\$ 1,422,885	\$ 20,580,086
MIDW	AG1-2005-059	895209, 895210	SECI	WR	25	6/1/2006	6/1/2009	4/1/2008	4/1/2011	\$ -	\$ -	\$ 1,227,618	\$ 85,334,003
MIDW	AG1-2005-060	895216, 897090	WPEK	WR	10	10/1/2005	10/1/2016	4/1/2008	4/1/2019	\$ -	\$ -	\$ 1,729,009	\$ 106,469,843
MIDW	AG1-2005-061	895217, 897091	WPEK	WR	25	10/1/2005	10/1/2016	4/1/2008	4/1/2019	\$ -	\$ -	\$ 4,322,646	\$ 106,469,843
MIDW	AG1-2005-064	895938	SECI	WR	100	6/1/2010	6/1/2030			\$ 1,080,000	\$ -	\$ 7,312,735	\$ 99,734,003
MIDW	AG1-2005-065	895940	WPEK	WR	100	10/1/2006	10/1/2011	4/1/2008	4/1/2013	\$ -	\$ -	\$ 6,222,846	\$ 96,064,003
MIDW	AG1-2005-066	895941	WR	WPEK	100	10/1/2006	10/1/2011	4/1/2008	4/1/2013	\$ -	\$ -	\$ 16,073,727	\$ 59,887,086
MSCG	AG1-2005-005	858365	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 891,252	\$ 72,269,390
MSCG	AG1-2005-005	858368	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 891,252	\$ 72,269,390
MSCG	AG1-2005-005	858369	MPS	EES	108	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 1,100,846	\$ 1,782,084	\$ 72,269,390
MSCG	AG1-2005-006	858370	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 551,615	\$ 67,989,390
MSCG	AG1-2005-006	858371	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 551,615	\$ 67,989,390
MSCG	AG1-2005-006	858372	MPS	EES	108	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 1,100,846	\$ 1,103,905	\$ 67,989,390
MSCG	AG1-2005-007	858374	KCPL	EES	54	1/1/2006	1/1/2007			\$ -	\$ 550,423	\$ -	\$ -
MSCG	AG1-2005-007	858375	KCPL	EES	54	1/1/2006	1/1/2007			\$ -	\$ 550,423	\$ -	\$ -
MSCG	AG1-2005-007	858376	KCPL	EES	108	1/1/2006	1/1/2007			\$ -	\$ 1,100,846	\$ -	\$ -
MSCG	AG1-2005-026	881526	OKGE	EES	50	1/1/2006	1/1/2007	6/1/2008	6/1/2009	\$ -	\$ 509,651	\$ 947,662	\$ 5,760,000
OMPA	AG1-2005-009	843135	WR	WR	114	4/1/2005	4/1/2010	3/1/2007	3/1/2012	\$ 25,560,000	\$ -	\$ 8,831,479	\$ 19,338,000
OMPA	AG1-2005-079	896823, 896825, 896826	SECI	OMPA	50	6/1/2009	6/1/2024			\$ 9,000,000	\$ -	\$ 12,646,559	\$ 158,910,400
OMPA	SPP-2004-190D	796906, 796909, 796913	OMPA	OMPA_WFEC	34	12/1/2005	12/1/2006	4/1/2008	4/1/2009	\$ -	\$ -	\$ 9,865,875	\$ 105,715,723

**Table 1 - Long-Term Transmission Service Requests Included in the Aggregate System Impact Study**

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated Cost	Total Cost
OMPA	SPP-2004-190D	796907, 796908, 796912	OMPA	OMPA_CSWS	161	12/1/2005	12/1/2006	4/1/2008	4/1/2009	\$ -	\$ -	\$ 10,604,683	\$ 35,478,780
OMPA	SPP-2004-190D	796904, 796910, 796911	OMPA	OMPA_OKGE	438	12/1/2005	12/1/2006			\$ -	\$ -	\$ -	\$ -
SPSM	SPP-2004-141	750450	SPS	EDDY	35	1/1/2007	1/1/2013	4/1/2008	4/1/2014	\$ -	\$ 4,032,920	\$ 7,286,808	\$ 88,962,358
SPSM	SPP-2004-177	793360	SPS	KACY	20	6/1/2005	6/1/2006	4/1/2008	4/1/2009	\$ -	\$ 211,055	\$ 8,386,413	\$ 103,741,455
SPSM	SPP-2004-178	794577	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-178	794630	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-178	794643	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-179	794579	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-179	794633	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-179	794644	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-180	794580	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	\$ 3,792,000
SPSM	SPP-2004-180	794634	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	\$ 3,792,000
SPSM	SPP-2004-180	794645	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	\$ 3,792,000
SPSM	SPP-2004-181	794581	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	\$ 20,390,447
SPSM	SPP-2004-181	794635	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	\$ 20,390,447
SPSM	SPP-2004-181	794647	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	\$ 20,390,447
SPSM	SPP-2004-182	794582	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-182	794636	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-182	794651	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	SPP-2004-183	794588	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ 3,792,000
SPSM	SPP-2004-183	794638	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ 3,792,000
SPSM	SPP-2004-183	794652	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ 3,792,000
UCU	AG1-2005-067	736985	MPS	MPS	105	6/1/2007	6/1/2008	10/1/2007	10/1/2008	\$ -	\$ -	\$ 2,862,568	\$ 7,200,000
UCU	AG1-2005-068	736987	MPS	MPS	105	6/1/2009	6/1/2010			\$ -	\$ -	\$ 3,365,688	\$ 7,700,000
UCU	SPP-2004-193	807123	EES	MPS	75	6/1/2007	6/1/2008			\$ -	\$ 793,626	\$ 679,446	\$ 5,005,500
UCU	SPP-2004-193	807124	EES	MPS	75	6/1/2007	6/1/2008			\$ -	\$ 793,626	\$ 679,446	\$ 5,005,500
UCU	SPP-2004-193	807125	EES	MPS	75	6/1/2007	6/1/2008			\$ -	\$ 793,626	\$ 679,446	\$ 5,005,500
UCU	SPP-2004-193	807126	EES	MPS	75	6/1/2007	6/1/2008			\$ -	\$ 793,626	\$ 679,446	\$ 5,005,500
WFEC	AG1-2005-008	863313	ERCOTE	WFEC	250	5/1/2010	5/1/2035			\$ 33,120,000	\$ 154,495,770	\$ 40,411,411	\$ 123,174,390
WRGS	AG1-2005-027D	886185	OKGE	WR	300	10/1/2005	10/1/2011	11/1/2006	11/1/2012	\$ 54,000,000	\$ -	\$ 5,966,597	\$ 21,100,000
WRGS	AG1-2005-028D	886189	OKGE	WR	150	10/1/2005	10/1/2011	12/1/2006	12/1/2012	\$ 27,000,000	\$ -	\$ 3,608,962	\$ 23,350,000
WRGS	SPP-2004-118	730609	WR	KACY	50	11/1/2004	11/1/2005	4/1/2008	4/1/2009	\$ -	\$ 527,639	\$ 2,963,214	\$ 92,492,637
SPA	AG1-2005-077	896846	WFEC	SPA	13	4/1/2006	6/1/2020			\$ 2,340,000	\$ 1,878,712	\$ 9,000,000	\$ 9,000,000

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 APM AG1-2005-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
APM	851299	AECI	OKGE	13	5/1/2005	5/1/2006	11/1/2006	11/1/2007	\$ -	\$ -	\$ 28,470	\$ 3,000,000
									\$ -	\$ -	\$ 28,470	\$ 3,000,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
851299	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 28,470	\$ 3,000,000
				Total	\$ 28,470 \$ 3,000,000

Customer Study Number  
 CSWM AG1-2005-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
CSWM	857419, 857421	WFEC	CSWS	31	11/1/2005	1/1/2017	6/1/2008	8/1/2019	\$ 5,580,000	\$ 4,687,200	\$ 3,776,765	\$ 31,390,000
									\$ -	\$ 4,687,200	\$ 3,466,765	\$ 31,390,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
857419, 857421	ANADARKO - CYRIL 69KV	6/1/2006	4/1/2007	\$ 670,638	\$ 3,250,000
	ANADARKO - GEORGIA 138KV	6/1/2011	6/1/2011	\$ 20,000	\$ 100,000
	ANADARKO 138/69KV TRANSFORMER	6/1/2006	6/1/2007	\$ 122,100	\$ 2,000,000
	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 138,384	\$ 3,600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 247,392	\$ 3,010,000
	CLINTON - FOSS TAP 69KV	6/1/2011	6/1/2011	\$ 7,940	\$ 50,000
	CLINTON CITY - FOSS TAP 69KV	4/1/2006	11/14/2006	\$ 14,765	\$ 150,000
	CYRIL - MEDICINE PARK JCT 69KV	6/1/2011	6/1/2011	\$ 660,000	\$ 3,300,000
	FIXICO TAP - MAUD 138KV	6/1/2006	6/1/2008	\$ 555,809	\$ 5,520,000
	FLETCHER - MARLOW JCT 69KV	6/1/2011	6/1/2011	\$ 200,000	\$ 1,000,000
	FLETCHER - MEDICINE PARK JCT 69KV	6/1/2011	6/1/2011	\$ 360,000	\$ 1,800,000
	FORT COBB - SOUTHWEST STATION 138KV	6/1/2010	6/1/2010	\$ 441,525	\$ 7,500,000
	NORGE ROAD - SOUTHWEST STATION 138KV	6/1/2015	6/1/2015	\$ 26,119	\$ 100,000
	ORU WEST TAP - RIVERSIDE STATION 138KV	6/1/2010	6/1/2010	\$ 2,095	\$ 10,000
				Total	\$ 3,466,765 \$ 31,390,000

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

Reservation	UpgradeName	COD	EOC
857421	RIVERSIDE STATION - TULSA POWER STATION 138KV	6/1/2015	6/1/2007

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
 CSWM AG1-2005-010, AG1-2005-071

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
CSWM	874565, 874586	SPS	CSWS	100	4/1/2006	4/1/2016	6/1/2008	6/1/2018	\$ 18,000,000	\$ 12,600,000	\$ 59,098,677	
CSWM	874566	SPS	CSWS	100	4/1/2006	4/1/2016	6/1/2008	6/1/2018	\$ 18,000,000	\$ 12,600,000	\$ 59,098,677	
									<b>\$ 36,000,000</b>	<b>\$ 25,200,000</b>	<b>\$ 118,197,354</b>	<b>\$ 232,958,267</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
874565, 874586	HART INTG - KRESS INT 115KV	4/1/2006	3/15/2008	\$ 1,671,164	\$ 9,053,875
	ALUMAX TAP - BANN 138KV	6/1/2006	4/1/2007	\$ 277,970	\$ 1,000,000
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV	6/1/2006	4/1/2007	\$ 276,090	\$ 1,000,000
	BANN - NW TEXARKANA-BANN T 138KV	6/1/2011	6/1/2011	\$ 5,000	\$ 10,000
	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 502,760	\$ 4,000,000
	BUSHLAND - NE HEREFORD 230KV	12/1/2005	4/1/2008	\$ 738,114	\$ 7,518,733
	CHAMBER SPRINGS - FARMINGTON AECC 161KV	6/1/2007	6/1/2008	\$ 1,750,350	\$ 7,500,000
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 2,437,452	\$ 5,446,333
	CONWAY - YARNELL3 115KV	4/1/2006	1/1/2007	\$ 1,405,924	\$ 2,811,848
	DEEN POINT - RED POINT 138KV	6/1/2015	6/1/2015	\$ 32,500	\$ 65,000
	DIANA - PERDUE 138KV	6/1/2011	6/1/2011	\$ 225,000	\$ 450,000
	EASTON REC - KNOX LEE 138KV	6/1/2015	6/1/2015	\$ 5,000	\$ 10,000
	ELDORADO - ELDORADO JCT 69KV	10/1/2005	4/1/2007	\$ 1,121,614	\$ 2,600,000
	ELDORADO - LAKE PAULINE 69KV	10/1/2005	3/16/2007	\$ 4,311	\$ 10,000
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 46,428	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 75,288	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 104,640	\$ 400,000
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 16,130	\$ 500,000
	FLINT CREEK - GENTRY REC 161KV	6/1/2010	6/1/2010	\$ 225,000	\$ 450,000
	FLOURNOY - OAK PAN-HARR REC 138KV	6/1/2011	6/1/2011	\$ 2,600,000	\$ 5,200,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 10,724	\$ 153,114
	HUGO POWER PLANT - VALLIANT 138KV	6/1/2008	6/1/2008	\$ 528,000	\$ 16,000,000
	JEC - SWISSVALE 345KV	6/1/2015	6/1/2015	\$ 5,929,920	\$ 32,000,000
	JERICO 115/69/14.4KV TRANSFORMER	4/1/2006	4/1/2007	\$ 750,000	\$ 1,500,000
	KIRBY - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 64,505	\$ 142,733
	LONE STAR SOUTH - PITTSBURG 138KV	6/1/2010	6/1/2010	\$ 112,500	\$ 225,000
	LONGWOOD - OAK PAN-HARR REC 138KV	6/1/2007	6/1/2007	\$ 201,032	\$ 800,000
	MCLEAN RURAL - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 1,991,125	\$ 4,405,826
	MCLEAN RURAL - SHAMROCK 115KV	6/1/2010	6/1/2010	\$ 3,639,548	\$ 8,053,344
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 188,828	\$ 750,000
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 7,399	\$ 100,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 16,130	\$ 500,000
	NICHOLS STATION - YARNELL3 115KV	4/1/2006	6/1/2006	\$ 1,049,036	\$ 2,098,071
	NORGE ROAD - SOUTHWEST STATION 138KV	6/1/2015	6/1/2015	\$ 29,049	\$ 100,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 3,402,675	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 4,907,980	\$ 22,000,000
	SHAMROCK 115/69/14.4KV TRANSFORMER	4/1/2006	6/1/2007	\$ 622,395	\$ 1,500,000
	SOUTH SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV	6/1/2011	6/1/2011	\$ 7,500	\$ 15,000
	SUNNYSIDE 345/138/13.8KV TRANSFORMER	6/1/2013	6/1/2013	\$ 1,750,000	\$ 3,500,000
	SW SHREVEPORT - PORT ROBSON 345KV	6/1/2011	6/1/2011	\$ 20,000,000	\$ 40,000,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 244,598	\$ 5,250,000
	WELSH REC - WILKES 138KV	6/1/2010	6/1/2010	\$ 125,000	\$ 250,000
			Total	<b>\$ 59,098,677</b>	<b>\$ 232,958,267</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
 CSWM AG1-2005-010, AG1-2005-071

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
874566	HART INTG - KRESS INT 115KV	4/1/2006	3/15/2008	\$ 1,671,164	\$ 9,053,875
	ALUMAX TAP - BANN 138KV	6/1/2006	4/1/2007	\$ 277,970	\$ 1,000,000
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV	6/1/2006	4/1/2007	\$ 276,090	\$ 1,000,000
	BANN - NW TEXARKANA-BANN T 138KV	6/1/2011	6/1/2011	\$ 5,000	\$ 10,000
	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 502,760	\$ 4,000,000
	BUSHLAND - NE HEREFORD 230KV	12/1/2005	4/1/2008	\$ 738,114	\$ 7,518,733
	CHAMBER SPRINGS - FARMINGTON AECC 161KV	6/1/2007	6/1/2008	\$ 1,750,350	\$ 7,500,000
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 2,437,452	\$ 5,446,333
	CONWAY - YARNELL3 115KV	4/1/2006	1/1/2007	\$ 1,405,924	\$ 2,811,848
	DEEN POINT - RED POINT 138KV	6/1/2015	6/1/2015	\$ 32,500	\$ 65,000
	DIANA - PERDUE 138KV	6/1/2011	6/1/2011	\$ 225,000	\$ 450,000
	EASTON REC - KNOX LEE 138KV	6/1/2015	6/1/2015	\$ 5,000	\$ 10,000
	ELDORADO - ELDORADO JCT 69KV	10/1/2005	4/1/2007	\$ 1,121,614	\$ 2,600,000
	ELDORADO - LAKE PAULINE 69KV	10/1/2005	3/16/2007	\$ 4,311	\$ 10,000
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 46,428	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 75,288	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 104,640	\$ 400,000
	FERRREVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 16,130	\$ 500,000
	FLINT CREEK - GENTRY REC 161KV	6/1/2010	6/1/2010	\$ 235,000	\$ 450,000
	FLOURNOY - OAK PAN-HARR REC 138KV	6/1/2011	6/1/2011	\$ 2,600,000	\$ 5,200,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 10,724	\$ 153,114
	HUGO POWER PLANT - VALLIANT 138KV	6/1/2008	6/1/2008	\$ 528,000	\$ 16,000,000
	JEC - SWISSVALE 345KV	6/1/2015	6/1/2015	\$ 5,929,920	\$ 32,000,000
	JERICO 115/69/14.4KV TRANSFORMER	4/1/2006	4/1/2007	\$ 750,000	\$ 1,500,000
	KIRBY - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 64,505	\$ 142,733
	LONE STAR SOUTH - PITTSBURG 138KV	6/1/2010	6/1/2010	\$ 112,500	\$ 225,000
	LONGWOOD - OAK PAN-HARR REC 138KV	6/1/2007	6/1/2007	\$ 201,032	\$ 800,000
	MCLEAN RURAL - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 1,991,125	\$ 4,405,826
	MCLEAN RURAL - SHAMROCK 115KV	6/1/2010	6/1/2010	\$ 3,639,548	\$ 8,053,344
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 188,828	\$ 750,000
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 7,399	\$ 100,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 16,130	\$ 500,000
	NICHOLS STATION - YARNELL3 115KV	4/1/2006	6/1/2006	\$ 1,049,036	\$ 2,098,071
	NORGE ROAD - SOUTHWEST STATION 138KV	6/1/2015	6/1/2015	\$ 29,049	\$ 100,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 3,402,675	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 4,907,980	\$ 22,000,000
	SHAMROCK 115/69/14.4KV TRANSFORMER	4/1/2006	6/1/2007	\$ 622,395	\$ 1,500,000
	SOUTH SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV	6/1/2011	6/1/2011	\$ 7,500	\$ 15,000
	SUNNYSIDE 345/138/13.8KV TRANSFORMER	6/1/2013	6/1/2013	\$ 1,750,000	\$ 3,500,000
	SW SHREVEPORT - PORT ROBSON 345KV	6/1/2011	6/1/2011	\$ 20,000,000	\$ 40,000,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 244,598	\$ 5,250,000
	WELSH REC - WILKES 138KV	6/1/2010	6/1/2010	\$ 125,000	\$ 250,000
			Total	\$ 59,098,677	\$ 232,958,267

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

Reservation	UpgradeName	COD	EOC
874565, 874586	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
874566	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 CSWM AG1-2005-069

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
CSWM	852362	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	-	\$ 1,896,107		
CSWM	852367	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	-	\$ 3,500,960		
										\$ -	\$ -	\$ 5,397,067	\$ 17,725,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
852362	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 489,276	\$ 3,600,000
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 634,640	\$ 2,000,000
	NORTHWEST HENDERSON - OAK HILL #1 138KV	6/1/2007	6/1/2007	\$ 30,716	\$ 75,000
	WHITNEY 138/69/12.5KV TRANSFORMER	6/1/2007	6/1/2007	\$ 741,475	\$ 1,750,000
				<b>Total</b>	<b>\$ 1,896,107 \$ 7,425,000</b>
852367	ALUMAX TAP - BANN 138KV	6/1/2006	4/1/2007	\$ 170,190	\$ 1,000,000
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV	6/1/2006	4/1/2007	\$ 175,270	\$ 1,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV	6/1/2007	6/1/2008	\$ 1,903,275	\$ 7,500,000
	LONGWOOD - OAK PAN-HARR REC 138KV	6/1/2007	6/1/2007	\$ 199,416	\$ 800,000
	NORTHWEST HENDERSON - OAK HILL #1 138KV	6/1/2007	6/1/2007	\$ 44,284	\$ 75,000
	WHITNEY 138/69/12.5KV TRANSFORMER	6/1/2007	6/1/2007	\$ 1,008,525	\$ 1,750,000
				<b>Total</b>	<b>\$ 3,500,960 \$ 12,125,000</b>

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

Reservation	UpgradeName	COD	EOC
852362	KNOX LEE - OAK HILL #2 138KV	6/1/2006	6/1/2007
852367	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
	KNOX LEE - OAK HILL #2 138KV	6/1/2006	6/1/2007

Customer Study Number  
 CSWM AG1-2005-070

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
CSWM	852370	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	-	\$ 800,235		
CSWM	852371	CSWS	CSWS	100	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	-	\$ 3,736,922		
										\$ -	\$ -	\$ 4,537,157	\$ 18,287,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
852370	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 764,388	\$ 3,600,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 2,122	\$ 70,000
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 33,725	\$ 125,000
				<b>Total</b>	<b>\$ 800,235 \$ 3,795,000</b>
852371	ALUMAX TAP - BANN 138KV	6/1/2006	4/1/2007	\$ 273,870	\$ 1,000,000
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV	6/1/2006	4/1/2007	\$ 272,550	\$ 1,000,000
	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 277,092	\$ 3,600,000
	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 506,280	\$ 4,000,000
	CHAMBER SPRINGS - FARMINGTON AECC 161KV	6/1/2007	6/1/2008	\$ 2,095,950	\$ 7,500,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 2,785	\$ 70,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 32,651	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 25,395	\$ 84,000
	LONGWOOD - OAK PAN-HARR REC 138KV	6/1/2007	6/1/2007	\$ 198,528	\$ 800,000
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 51,821	\$ 125,000
				<b>Total</b>	<b>\$ 3,736,922 \$ 18,287,000</b>

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

Reservation	UpgradeName	COD	EOC
852371	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer** Study Number  
**CSWM** AG1-2005-072

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
CSWM	874597	CSWS	CSWS	41	12/1/2005	12/1/2015	6/1/2008	6/1/2018	\$ 7,380,000		\$ 1,826,420	
									<b>\$ 7,380,000</b>	<b>\$ -</b>	<b>\$ 1,826,420</b>	<b>\$ 80,094,390</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
874597	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 184,428	\$ 3,600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 298,231	\$ 3,010,000
	CLASSEN - SW 5TAP 138KV	6/1/2006	5/16/2007	\$ 11,157	\$ 50,000
	CLINTON - FOSS TAP 69KV	6/1/2011	6/1/2011	\$ 42,061	\$ 50,000
	CLINTON CITY - FOSS TAP 69KV	4/1/2006	11/14/2006	\$ 77,610	\$ 150,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 5,804	\$ 400,000
	FIXICO TAP - MAUD 138KV	6/1/2006	6/1/2008	\$ 689,338	\$ 5,520,000
	NORGE ROAD - SOUTHWEST STATION 138KV	6/1/2015	6/1/2015	\$ 15,783	\$ 100,000
	ORU WEST TAP - RIVERSIDE STATION 138KV	6/1/2010	6/1/2010	\$ 2,722	\$ 10,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 218,756	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 272,140	\$ 22,000,000
	TURKEY CREEK 69KV	6/1/2015	6/1/2015	\$ 8,391	\$ 100,000
				<b>Total</b>	<b>\$ 1,826,420 \$ 80,094,390</b>

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

Reservation	UpgradeName	COD	EOC
874597	RIVERSIDE STATION - TULSA POWER STATION 138KV	6/1/2015	6/1/2007

**Customer** Study Number  
**CSWM** AG1-2005-073, AG1-2005-012

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
CSWM	881466, 881467	CSWS	CSWS	80	6/1/2006	6/1/2026	6/1/2008	6/1/2028	\$ 14,400,000	\$ 20,160,000	\$ 8,909,810	
									<b>\$ 14,400,000</b>	<b>\$ 20,160,000</b>	<b>\$ 8,909,810</b>	<b>\$ 20,640,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
881466, 881467	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 355,788	\$ 3,600,000
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 445,060	\$ 2,000,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 502,730	\$ 3,010,000
	FIXICO TAP - MAUD 138KV	6/1/2006	6/1/2008	\$ 1,202,374	\$ 5,520,000
	FT SUPPLY 138/69KV TRANSFORMER	6/1/2006	6/1/2007	\$ 1,500,000	\$ 1,500,000
	HAMON BUTLER - MOREWOOD 69KV	12/1/2005	4/1/2007	\$ 3,306,466	\$ 3,400,000
	KNOBHILL 138/69/13 2KV TRANSFORMER	6/1/2011	6/1/2011	\$ 1,500,000	\$ 1,500,000
	ORU WEST TAP - RIVERSIDE STATION 138KV	6/1/2010	6/1/2010	\$ 5,184	\$ 10,000
	TURKEY CREEK 69KV	6/1/2015	6/1/2015	\$ 91,609	\$ 100,000
				<b>Total</b>	<b>\$ 8,909,810 \$ 20,640,000</b>

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

Reservation	UpgradeName	COD	EOC
881466	RIVERSIDE STATION - TULSA POWER STATION 138KV	6/1/2015	6/1/2007

**Customer** Study Number  
**CSWM** SPP-2004-185, SPP-2004-200

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
CSWM	795005, 798927	WFEC	CSWS	120	11/1/2005	11/1/2006	6/1/2008	6/1/2009	\$ 21,600,000	\$ 16,884,000	\$ 13,320,898	
									<b>\$ 21,600,000</b>	<b>\$ 16,884,000</b>	<b>\$ 13,630,898</b>	<b>\$ 31,390,000</b>

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
795005, 798927, 841761, 841762	ANADARKO - CYRIL 69KV	6/1/2006	4/1/2007	\$ 2,579,363	\$ 3,250,000
	ANADARKO - GEORGIA 138KV	6/1/2011	6/1/2011	\$ 80,000	\$ 100,000
	ANADARKO 138/69KV TRANSFORMER	6/1/2006	6/1/2007	\$ 471,940	\$ 2,000,000
	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 579,564	\$ 3,600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 989,568	\$ 3,010,000
	CLINTON - FOSS TAP 69KV	6/1/2011	6/1/2011	\$ 31,760	\$ 50,000
	CLINTON CITY - FOSS TAP 69KV	4/1/2006	11/14/2006	\$ 57,624	\$ 150,000
	CYRIL - MEDICINE PARK JCT 69KV	6/1/2011	6/1/2011	\$ 2,640,000	\$ 3,300,000
	FIXICO TAP - MAUD 138KV	6/1/2006	6/1/2008	\$ 2,166,766	\$ 5,520,000
	FLETCHER - MARLOW JCT 69KV	6/1/2011	6/1/2011	\$ 800,000	\$ 1,000,000
	FLETCHER - MEDICINE PARK JCT 69KV	6/1/2011	6/1/2011	\$ 1,440,000	\$ 1,800,000
	FORT COBB - SOUTHWEST STATION 138KV	6/1/2010	6/1/2010	\$ 1,766,100	\$ 7,500,000
	NORGE ROAD - SOUTHWEST STATION 138KV	6/1/2015	6/1/2015	\$ 26,119	\$ 100,000
	ORU WEST TAP - RIVERSIDE STATION 138KV	6/1/2010	6/1/2010	\$ 2,095	\$ 10,000
				<b>Total</b>	<b>\$ 13,630,898 \$ 31,390,000</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
 EDE AG1-2005-020

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
EDE	884286	KCPL	EDE	5	1/1/2006	1/1/2008	6/1/2008	6/1/2010	\$ -	\$ -	\$ 825,674	\$ -	
										\$ -	\$ -	\$ 825,674	\$ 47,715,500

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
884286	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 2,745	\$ 1,605,500	
	BROOKLINE - SPRINGFIELD 161KV	6/1/2015	6/1/2015	\$ 14,634	\$ 600,000	
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 16,374	\$ 3,010,000	
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 6,170	\$ 500,000	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 115,290	\$ 9,000,000	
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2015	6/1/2015	\$ 374,387	\$ 15,350,000	
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 31,372	\$ 2,200,000	
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 6,170	\$ 500,000	
	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 7,667	\$ 320,000	
	OZARKS 161/69/12.5KV TRANSFORMER	6/1/2010	6/1/2010	\$ 24,390	\$ 1,000,000	
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 382	\$ 20,000	
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 121,338	\$ 5,400,000	
	SUB 209 - HERMITAGE 69KV	6/1/2015	6/1/2015	\$ 25,355	\$ 1,040,000	
	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	6/1/2010	6/1/2010	\$ 25,376	\$ 1,040,000	
	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2010	6/1/2010	\$ 11,707	\$ 480,000	
	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 9,556	\$ 400,000	
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 32,760	\$ 5,250,000	
				<b>Total</b>	<b>\$ 825,674</b>	<b>\$ 47,715,500</b>



**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
EDE SPP-2004-092

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
EDE	683517	KCPL	EDE	50	6/1/2008	6/1/2028			\$ 1,440,000	\$ -	\$ 8,260,288	
EDE	683521	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	
EDE	683523	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	
EDE	683525	KCPL	EDE	50	6/1/2008	6/1/2028			\$ -	\$ -	\$ 8,260,288	
									<b>\$ 1,440,000</b>	<b>\$ -</b>	<b>\$ 33,041,151</b>	<b>\$ 47,715,500</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
683517	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 27,518	\$ 1,605,500
	BROOKLINE - SPRINGFIELD 161KV	6/1/2015	6/1/2015	\$ 146,340	\$ 600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 163,804	\$ 3,010,000
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,152,990	\$ 9,000,000
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2015	6/1/2015	\$ 3,743,865	\$ 15,350,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 313,764	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 78,083	\$ 320,000
	OZARKS 161/69/12.5KV TRANSFORMER	6/1/2010	6/1/2010	\$ 243,900	\$ 1,000,000
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 3,823	\$ 20,000
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 1,213,434	\$ 5,400,000
	SUB 209 - HERMITAGE 69KV	6/1/2015	6/1/2015	\$ 253,656	\$ 1,040,000
	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	6/1/2010	6/1/2010	\$ 253,656	\$ 1,040,000
	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2010	6/1/2010	\$ 117,072	\$ 480,000
	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 97,612	\$ 400,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 327,390	\$ 5,250,000
			Total	<b>\$ 8,260,288</b>	<b>\$ 47,715,500</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
683521	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 27,518	\$ 1,605,500
	BROOKLINE - SPRINGFIELD 161KV	6/1/2015	6/1/2015	\$ 146,340	\$ 600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 163,804	\$ 3,010,000
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,152,990	\$ 9,000,000
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2015	6/1/2015	\$ 3,743,865	\$ 15,350,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 313,764	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 78,083	\$ 320,000
	OZARKS 161/69/12.5KV TRANSFORMER	6/1/2010	6/1/2010	\$ 243,900	\$ 1,000,000
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 3,823	\$ 20,000
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 1,213,434	\$ 5,400,000
	SUB 209 - HERMITAGE 69KV	6/1/2015	6/1/2015	\$ 253,656	\$ 1,040,000
	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	6/1/2010	6/1/2010	\$ 253,656	\$ 1,040,000
	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2010	6/1/2010	\$ 117,072	\$ 480,000
	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 97,612	\$ 400,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 327,390	\$ 5,250,000
			Total	<b>\$ 8,260,288</b>	<b>\$ 47,715,500</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
683523	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 27,518	\$ 1,605,500
	BROOKLINE - SPRINGFIELD 161KV	6/1/2015	6/1/2015	\$ 146,340	\$ 600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 163,804	\$ 3,010,000
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,152,990	\$ 9,000,000
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2015	6/1/2015	\$ 3,743,865	\$ 15,350,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 313,764	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 78,083	\$ 320,000
	OZARKS 161/69/12.5KV TRANSFORMER	6/1/2010	6/1/2010	\$ 243,900	\$ 1,000,000
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 3,823	\$ 20,000
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 1,213,434	\$ 5,400,000
	SUB 209 - HERMITAGE 69KV	6/1/2015	6/1/2015	\$ 253,656	\$ 1,040,000
	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	6/1/2010	6/1/2010	\$ 253,656	\$ 1,040,000
	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2010	6/1/2010	\$ 117,072	\$ 480,000
	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 97,612	\$ 400,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 327,390	\$ 5,250,000
			Total	<b>\$ 8,260,288</b>	<b>\$ 47,715,500</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
683525	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 27,518	\$ 1,605,500
	BROOKLINE - SPRINGFIELD 161KV	6/1/2015	6/1/2015	\$ 146,340	\$ 600,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 163,804	\$ 3,010,000
	FERRELVIEW CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,152,990	\$ 9,000,000
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2015	6/1/2015	\$ 3,743,865	\$ 15,350,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 313,764	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 61,690	\$ 500,000
	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 78,083	\$ 320,000
	OZARKS 161/69/12.5KV TRANSFORMER	6/1/2010	6/1/2010	\$ 243,900	\$ 1,000,000
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 3,823	\$ 20,000
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 1,213,434	\$ 5,400,000
	SUB 209 - HERMITAGE 69KV	6/1/2015	6/1/2015	\$ 253,656	\$ 1,040,000
	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	6/1/2010	6/1/2010	\$ 253,656	\$ 1,040,000
	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	6/1/2010	6/1/2010	\$ 117,072	\$ 480,000
	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	6/1/2007	6/1/2008	\$ 97,612	\$ 400,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 327,390	\$ 5,250,000
			Total	<b>\$ 8,260,288</b>	<b>\$ 47,715,500</b>

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer** Study Number  
**GRDA** AG1-2005-063

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
GRDA	895350	GRDA	WFEC	17	10/1/2005	1/1/2007	6/1/2007	9/1/2008	\$ -	\$ -	\$ 217,551	
									\$ -	\$ -	\$ 217,551	\$ 2,387,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
895350	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 195,840	\$ 2,000,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 464	\$ 70,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 8,887	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 6,912	\$ 84,000
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 5,448	\$ 125,000
Total				\$ 217,551	\$ 2,387,000

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

Reservation	Upgrade Name	COD	EOC
895350	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Customer** Study Number  
**GSEC** AG1-2005-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
GSEC	895344	SECI	SPS	300	5/1/2010	5/1/2040			\$ 54,000,000	\$ -	\$ 96,201,725	
									\$ 54,000,000	\$ -	\$ 96,201,725	\$ 159,347,456

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
895344	HART INTG - KRESS INT 115KV	4/1/2006	3/15/2008	\$ 5,456,680	\$ 9,053,875
	BUSHLAND - NE HEREFORD 230KV	12/1/2005	4/1/2008	\$ 5,543,412	\$ 7,518,733
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 6,528	\$ 70,000
	DOSS3 115KV	12/1/2005	12/1/2006	\$ 672,870	\$ 750,000
	FERRELVUE CAPACITOR	6/1/2015	6/1/2015	\$ 59,120	\$ 500,000
	FORT COBB - SOUTHWEST STATION 138KV	6/1/2010	6/1/2010	\$ 4,125,600	\$ 7,500,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 32,013	\$ 153,114
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 3,824,016	\$ 6,080,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 664,920	\$ 9,000,000
	JEC - SWISSVALE 345KV	6/1/2015	6/1/2015	\$ 15,747,200	\$ 32,000,000
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER	12/1/2005	1/1/2007	\$ 2,595,489	\$ 3,000,010
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 22,102	\$ 100,000
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	\$ 2,159,584	\$ 3,200,000
	MOORE COUNTY INTERCHANGE E 230/115KV TRANSFORMER	4/1/2006	4/1/2008	\$ 13,474,442	\$ 13,474,442
	MUSTANG STATION 230/115KV TRANSFORMER	4/1/2006	1/1/2007	\$ 1,841,525	\$ 2,500,000
	MUSTANG-SAN ANDR-AMERADA HESS 115KV	4/1/2006	4/1/2007	\$ 634,296	\$ 742,892
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 59,120	\$ 500,000
	NICHOLS STATION 230/115KV TRANSFORMER CKT 1	6/1/2010	6/1/2010	\$ 2,550,000	\$ 2,550,000
	NICHOLS STATION 230/115KV TRANSFORMER CKT 2	6/1/2010	6/1/2010	\$ 2,550,000	\$ 2,550,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 27,167,276	\$ 45,104,390
	SNANDR3 115KV	10/1/2005	12/1/2006	\$ 646,545	\$ 750,000
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 2,594,025	\$ 4,500,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 1,274,963	\$ 5,250,000
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER	6/1/2010	6/1/2010	\$ 2,500,000	\$ 2,500,000
Total				\$ 96,201,725	\$ 159,347,456

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

Reservation	Upgrade Name	COD	EOC
895344	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Customer** Study Number  
**INDP** AG1-2005-013

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
INDP	874649	KCPL	INDN	50	6/1/2010	6/1/2020			\$ -	\$ 5,280,723	\$ 3,465,502	
									\$ -	\$ 5,280,723	\$ 3,465,502	\$ 19,000,000

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
874649	FERRELVUE CAPACITOR	6/1/2015	6/1/2015	\$ 89,485	\$ 500,000
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 1,612	\$ 50,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,325,610	\$ 9,000,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 248,050	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 89,485	\$ 500,000
	REDEL - STILWELL 161KV	6/1/2015	6/1/2015	\$ 1,500,000	\$ 1,500,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 211,260	\$ 5,250,000
Total				\$ 3,465,502	\$ 19,000,000

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

Reservation	Upgrade Name	COD	EOC
874649	EAST - WOODBINE 161KV	6/1/2008	6/1/2008
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer** Study Number  
**KBPU** SPP-2004-150

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KBPU	759721	SPA	KACY	39	12/1/2004	12/1/2005	4/1/2007	4/1/2008	\$ -	\$ 411,558	\$ 495,125	\$ 7,195,000
									<b>\$ -</b>	<b>\$ 411,558</b>	<b>\$ 495,125</b>	<b>\$ 7,195,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
759721	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 146,240	\$ 4,000,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 452	\$ 70,000
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 3,373	\$ 125,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 345,060	\$ 3,000,000
				<b>Total</b>	<b>\$ 495,125</b>

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

Reservation	Upgrade Name	COD	EOC
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Customer** Study Number  
**KEPC** AG1-2005-019

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KEPC	882947	KCPL	WR	50	6/1/2010	6/1/2020			\$ 9,000,000	\$ -	\$ 3,386,774	\$ 22,750,000
									<b>\$ 9,000,000</b>	<b>\$ -</b>	<b>\$ 3,386,774</b>	<b>\$ 22,750,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
882947	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 3,049	\$ 120,000
	EAST MANHATTAN 230/115/18.0KV TRANSFORMER	6/1/2015	6/1/2015	\$ 1,000,000	\$ 1,000,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 136,877	\$ 1,300,000
	FERRELVUE CAPACITOR	6/1/2015	6/1/2015	\$ 49,740	\$ 500,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 1,181,520	\$ 9,000,000
	JARBALO - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015	\$ 665,544	\$ 2,200,000
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 49,740	\$ 500,000
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 63,074	\$ 610,000
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 193,440	\$ 3,000,000
	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	6/1/2010	6/1/2010	\$ 4,325	\$ 20,000
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 39,465	\$ 4,500,000
				<b>Total</b>	<b>\$ 3,386,774</b>

**Customer** Study Number  
**KEPC** AG1-2005-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KEPC	893889	WR	WR	61	10/1/2005	10/1/2008	4/1/2008	4/1/2011	\$ -	\$ -	\$ 8,761,396	\$ 65,895,200
									<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,761,396</b>	<b>\$ 65,895,200</b>

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
893889	95TH & WAVERLY - CAPTAIN JUNCTION 115KV	6/1/2010	6/1/2010	\$ 339,900	\$ 2,000,000
	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 243,405	\$ 2,250,000
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 402,480	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 337,024	\$ 3,200,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 85,202	\$ 1,300,000
	FARMER'S CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 69,780	\$ 400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV	6/1/2010	6/1/2010	\$ 3,829	\$ 22,000
	GILL ENERGY CENTER EAST - OATVILLE 69KV	6/1/2010	6/1/2010	\$ 174,690	\$ 1,000,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 7,118	\$ 153,114
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 300,397	\$ 1,143,587
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 275,820	\$ 1,000,000
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 252,912	\$ 2,400,000
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 1,191,088	\$ 2,900,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 533,120	\$ 8,000,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 76,283	\$ 3,530,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 20,772	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 485,706	\$ 7,800,000
	PAOLA 345/161/13.8 KV TRANSFORMER	6/1/2010	6/1/2010	\$ 104,504	\$ 400,000
	PHILLIPSBURG - SMITH CENTER 115KV	6/1/2007	4/1/2008	\$ 2,895,946	\$ 5,510,000
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 168,605	\$ 1,164,639
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 198,380	\$ 1,129,660
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 1,555	\$ 125,000
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 74,370	\$ 3,000,000
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 52,290	\$ 4,500,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 291,060	\$ 5,250,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 175,260	\$ 3,000,000
				<b>Total</b>	<b>\$ 8,761,396</b>

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

Reservation	Upgrade Name	COD	EOC
893889	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
**KEPC AG1-2005-041**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KEPC	894024	WR	EDE	6	10/1/2005	10/1/2008	4/1/2008	4/1/2011	\$ -	\$ -	\$ 4,186,442	\$ 107,921,837
									\$ -	\$ -	\$ 4,186,442	\$ 107,921,837

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
894024	54TH & MERIDEN - HOYT 115KV	6/1/2010	6/1/2010	\$ 250,000	\$ 250,000	
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV	6/1/2010	6/1/2010	\$ 128,000	\$ 2,000,000	
	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV	6/1/2010	6/1/2010	\$ 550,000	\$ 550,000	
	AFTON 161/69/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 441,378	\$ 890,000	
	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 46,463	\$ 2,250,000	
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 56,545	\$ 4,300,000	
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 47,360	\$ 3,200,000	
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 376	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 609	\$ 300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 984	\$ 400,000	
	FARMER'S CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 23,324	\$ 400,000	
	GILL ENERGY CENTER EAST - MACARTHUR 69KV	6/1/2010	6/1/2010	\$ 840	\$ 22,000	
	GILL ENERGY CENTER EAST - OATVILLE 69KV	6/1/2010	6/1/2010	\$ 37,940	\$ 1,000,000	
	GOODYEAR JUNCTION - NORTHLAND 115KV	6/1/2010	6/1/2010	\$ 1,000,000	\$ 1,000,000	
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 64,144	\$ 6,080,000	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 14,558	\$ 1,143,587	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 80,590	\$ 1,000,000	
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 33,504	\$ 2,400,000	
	LAWRENCE HILL - WREN 115KV	6/1/2010	6/1/2010	\$ 1,000,000	\$ 1,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 1,815	\$ 750,000	
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	\$ 46,848	\$ 3,200,000	
	MIDIAN - WILLIAMS BROTHERS PIPELINE 161KV	12/1/2010	12/1/2010	\$ 4,685	\$ 50,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 1,135	\$ 417,200	
	PAOLA 345/161/13.8 KV TRANSFORMER	6/1/2010	6/1/2010	\$ 22,528	\$ 400,000	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 37,888	\$ 45,104,390	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 9,613	\$ 1,129,660	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 53,900	\$ 22,000,000	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 74,532	\$ 1,200,000	
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 147,158	\$ 5,250,000	
	TECUMSEH HILL - WILLIAMS BROTHERS PIPELINE 161KV	12/1/2010	12/1/2010	\$ 9,728	\$ 50,000	
				<b>Total</b>	<b>\$ 4,186,442</b>	<b>\$ 107,921,837</b>

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

Reservation	Upgrade Name	COD	EOC
894024	GREENSBURG 115KV	6/1/2006	6/1/2006

**Customer Study Number**  
**KEPC AG1-2005-042**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KEPC	894030	SPA	EDE	6	10/1/2005	10/1/2008	4/1/2007	4/1/2010	\$ -	\$ -	\$ 468,822	\$ 4,890,000
									\$ -	\$ -	\$ 468,822	\$ 4,890,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
894030	AFTON 161/69/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 448,622	\$ 890,000	
	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 20,200	\$ 4,000,000	
				<b>Total</b>	<b>\$ 468,822</b>	<b>\$ 4,890,000</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer** Study Number  
**KMEA** AG1-2005-031

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889194	GRDA	WPEK	3	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 704,160	\$ 457,946	\$ 49,112,086
									\$ -	\$ 704,160	\$ 457,946	\$ 49,112,086

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
889194	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 54,665	\$ 1,488,000
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 70,333	\$ 1,918,000
	BUCYRUS - STILWELL 161KV	6/1/2011	6/1/2011	\$ 1,684	\$ 6,000
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 28,720	\$ 2,000,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 95	\$ 70,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 180	\$ 120,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 18,382	\$ 1,300,000
	FORT COBB - SOUTHWEST STATION 138KV	6/1/2010	6/1/2010	\$ 26,175	\$ 7,500,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 8,268	\$ 1,143,587
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 2,070	\$ 1,000,000
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 19,720	\$ 2,900,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 67,920	\$ 8,000,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 5,577	\$ 3,530,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 4,885	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 92,820	\$ 7,800,000
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 26,321	\$ 1,164,639
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 5,468	\$ 1,129,660
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 1,093	\$ 125,000
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 13,500	\$ 4,500,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 10,170	\$ 3,000,000
				<b>Total</b>	<b>\$ 457,946 \$ 49,112,086</b>

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

Reservation	Upgrade Name	COD	EOC
889194	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Customer** Study Number  
**KMEA** AG1-2005-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889643	GRDA	WR	5	5/1/2010	5/1/2026			\$ -	\$ 1,248,000	\$ 827,901	\$ 41,650,200
									\$ -	\$ 1,248,000	\$ 810,419	\$ 41,650,200

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
889643	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 73,284	\$ 1,488,000
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 94,462	\$ 1,918,000
	BUCYRUS - STILWELL 161KV	6/1/2011	6/1/2011	\$ 2,466	\$ 6,000
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 36,080	\$ 2,000,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 102	\$ 70,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 252	\$ 120,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 44,720	\$ 1,300,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 444	\$ 153,114
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 8,794	\$ 1,143,587
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 2,760	\$ 1,000,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 98,800	\$ 8,000,000
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 306	\$ 100,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 7,484	\$ 3,530,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 12,591	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 239,304	\$ 7,800,000
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 4,599	\$ 610,000
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 4,391	\$ 1,164,639
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 15,668	\$ 1,129,660
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 12,240	\$ 4,500,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 14,040	\$ 3,000,000
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	\$ 137,632	\$ 2,200,000
				<b>Total</b>	<b>\$ 810,419 \$ 41,650,200</b>

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

Reservation	Upgrade Name	COD	EOC
889643	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
**KMEA AG1-2005-034**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889649	GRDA	WR	20	5/1/2010	5/1/2026			\$ -	\$ 4,992,000	\$ 2,929,837	
									<b>\$ -</b>	<b>\$ 4,992,000</b>	<b>\$ 2,929,837</b>	<b>\$ 20,127,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
889649	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 345,960	\$ 1,488,000	
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 445,935	\$ 1,918,000	
	BELL - PECK 69KV	6/1/2010	6/1/2010	\$ 232,080	\$ 2,000,000	
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 159,720	\$ 2,000,000	
	CONTINENTAL BLACKS - OSAGE 69KV	6/1/2015	6/1/2015	\$ 73,358	\$ 255,000	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 6,643	\$ 120,000	
	CRESWELL - OAK 69KV	6/1/2006	6/1/2006	\$ 20,163	\$ 143,000	
	CRESWELL - PARIS 69KV	6/1/2006	6/1/2006	\$ 20,162	\$ 143,000	
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV	6/1/2006	3/1/2007	\$ 250,140	\$ 2,750,000	
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2010	6/1/2010	\$ 348,120	\$ 3,000,000	
	MILLER - WHITE EAGLE 138KV	6/1/2014	6/1/2014	\$ 39,692	\$ 210,000	
	RICHLAND - ROSE HILL JUNCTION 69KV	6/1/2010	6/1/2010	\$ 418,410	\$ 1,500,000	
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 123,150	\$ 3,000,000	
	ROSE HILL JUNCTION - WEAVER 69KV	6/1/2010	6/1/2010	\$ 446,304	\$ 1,600,000	
				<b>Total</b>	<b>\$ 2,929,837</b>	<b>\$ 20,127,000</b>

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

Reservation	Upgrade Name	COD	EOC
889649	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Customer Study Number**  
**KMEA AG1-2005-035**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889654	GRDA	KCPL	19	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ 3,420,000	\$ 4,012,800	\$ 2,264,385	
									<b>\$ 3,420,000</b>	<b>\$ 4,012,800</b>	<b>\$ 2,264,385</b>	<b>\$ 43,576,086</b>

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost	
889654	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 279,327	\$ 1,488,000	
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 360,047	\$ 1,918,000	
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 129,820	\$ 2,000,000	
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 349	\$ 70,000	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 917	\$ 120,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 28,405	\$ 1,300,000	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 17,794	\$ 1,143,587	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 23,220	\$ 9,000,000	
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 679,680	\$ 8,000,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 6,458	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 139,230	\$ 7,800,000	
	PAOLA 345/161/13.8 KV TRANSFORMER	6/1/2010	6/1/2010	\$ 272,968	\$ 400,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 41,147	\$ 1,164,639	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 11,748	\$ 1,129,660	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 3,994	\$ 125,000	
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 20,970	\$ 4,500,000	
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 248,310	\$ 3,000,000	
				<b>Total</b>	<b>\$ 2,264,385</b>	<b>\$ 43,576,086</b>

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

Reservation	Upgrade Name	COD	EOC
889654	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
**KMEA AG1-2005-036**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889666	GRDA	WR	3	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 936,000	\$ 629,495	
									\$ -	\$ 936,000	\$ 629,495	\$ 44,675,200

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
889666	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 54,967	\$ 1,488,000	
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 70,851	\$ 1,918,000	
	BUCYRUS - STILWELL 161KV	6/1/2011	6/1/2011	\$ 1,850	\$ 6,000	
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 27,600	\$ 2,000,000	
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 85	\$ 70,000	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 194	\$ 120,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 36,621	\$ 1,300,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 343	\$ 153,114	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 8,474	\$ 1,143,587	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 2,100	\$ 1,000,000	
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 12,093	\$ 2,900,000	
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 74,080	\$ 8,000,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 235	\$ 100,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 5,577	\$ 3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 9,425	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 179,166	\$ 7,800,000	
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 5,325	\$ 610,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 4,577	\$ 1,164,639	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 11,681	\$ 1,129,660	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 988	\$ 125,000	
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 9,180	\$ 4,500,000	
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 10,860	\$ 3,000,000	
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	\$ 103,224	\$ 2,200,000	
				<b>Total</b>	<b>\$ 629,495</b>	<b>\$ 44,675,200</b>

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

Reservation	Upgrade Name	COD	EOC
889666	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007
	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

Customer Study Number  
**KMEA AG1-2005-037**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KMEA	889667	GRDA	WR	21	5/1/2006	5/1/2026	6/1/2007	6/1/2027	\$ -	\$ 6,552,000	\$ 4,318,680	
									\$ -	\$ 6,552,000	\$ 4,318,680	\$ 30,022,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
889667	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 369,842	\$ 1,488,000	
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 476,719	\$ 1,918,000	
	BELL - PECK 69KV	6/1/2010	6/1/2010	\$ 233,980	\$ 2,000,000	
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 182,520	\$ 2,000,000	
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 446	\$ 70,000	
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 478,504	\$ 4,300,000	
	CONTINENTAL BLACKS - OSAGE 69KV	6/1/2015	6/1/2015	\$ 94,582	\$ 255,000	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 8,627	\$ 120,000	
	CRESWELL - OAK 69KV	6/1/2006	6/1/2006	\$ 32,694	\$ 143,000	
	CRESWELL - PARIS 69KV	6/1/2006	6/1/2006	\$ 32,694	\$ 143,000	
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV	6/1/2006	3/1/2007	\$ 162,580	\$ 2,750,000	
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2010	6/1/2010	\$ 350,970	\$ 3,000,000	
	MILLER - WHITE EAGLE 138KV	6/1/2014	6/1/2014	\$ 50,541	\$ 210,000	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 7,189	\$ 125,000	
	RICHLAND - ROSE HILL JUNCTION 69KV	6/1/2010	6/1/2010	\$ 613,980	\$ 1,500,000	
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 142,920	\$ 3,000,000	
	ROSE HILL JUNCTION - WEAVER 69KV	6/1/2010	6/1/2010	\$ 654,912	\$ 1,600,000	
	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV	6/1/2015	6/1/2015	\$ 424,880	\$ 5,400,000	
				<b>Total</b>	<b>\$ 4,318,680</b>	<b>\$ 30,022,000</b>

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

Reservation	Upgrade Name	COD	EOC
889667	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
KPP AG1-2005-078

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
KPP	896877	GRDA	WR	18	5/1/2006	5/2/2026	6/1/2007	6/1/2027	\$ -	\$ -	\$ 3,694,859	\$ 23,322,000
									\$ -	\$ -	\$ 3,694,859	\$ 23,322,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
896877	412SUB - KANSAS TAP 161KV	6/1/2008	6/1/2008	\$ 310,055	\$ 1,488,000	
	412SUB - KERR 161KV	6/1/2008	6/1/2008	\$ 399,654	\$ 1,918,000	
	BELL - PECK 69KV	6/1/2010	6/1/2010	\$ 281,020	\$ 2,000,000	
	BUTLER 138/69KV TRANSFORMER	6/1/2010	6/1/2010	\$ 117,900	\$ 1,500,000	
	CATOOSA - LYNN LANE EAST TAP 138KV	6/1/2006	4/1/2007	\$ 160,020	\$ 2,000,000	
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 421	\$ 70,000	
	CONTINENTAL BLACKS - OSAGE 69KV	6/1/2015	6/1/2015	\$ 87,060	\$ 255,000	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 7,873	\$ 120,000	
	CRESWELL - OAK 69KV	6/1/2006	6/1/2006	\$ 21,666	\$ 143,000	
	CRESWELL - PARIS 69KV	6/1/2006	6/1/2006	\$ 21,666	\$ 143,000	
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV	6/1/2006	3/1/2007	\$ 304,948	\$ 2,750,000	
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2010	6/1/2010	\$ 421,530	\$ 3,000,000	
	MIDIAN 138/69/13.2KV TRANSFORMER	6/1/2006	11/1/2006	\$ 359,505	\$ 1,500,000	
	MILLER - WHITE EAGLE 138KV	6/1/2014	6/1/2014	\$ 46,673	\$ 210,000	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 6,648	\$ 125,000	
	RICHLAND - ROSE HILL JUNCTION 69KV	6/1/2010	6/1/2010	\$ 467,595	\$ 1,500,000	
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 181,960	\$ 3,000,000	
	ROSE HILL JUNCTION - WEAVER 69KV	6/1/2010	6/1/2010	\$ 498,768	\$ 1,600,000	
				<b>Total</b>	<b>\$ 3,694,859</b>	<b>\$ 23,322,000</b>

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

Reservation	Upgrade Name	COD	EOC
896877	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

Customer Study Number  
MIDW AG1-2005-056

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MIDW	895203, 895204	WR	WR	25	6/1/2006	6/1/2009	5/1/2007	5/1/2010	\$ -	\$ -	\$ 2,257,331	\$ 35,660,086
									\$ -	\$ -	\$ 2,257,331	\$ 35,660,086

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895203, 895204	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 230,265	\$ 2,250,000	
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 249,959	\$ 4,300,000	
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 209,312	\$ 3,200,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 114,790	\$ 1,300,000	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 89,863	\$ 1,143,587	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 28,810	\$ 1,000,000	
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 121,536	\$ 2,400,000	
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 145,725	\$ 2,900,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 223,979	\$ 3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 31,269	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 594,204	\$ 7,800,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 29,046	\$ 1,164,639	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 59,341	\$ 1,129,660	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 1,733	\$ 125,000	
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 127,500	\$ 3,000,000	
				<b>Total</b>	<b>\$ 2,257,331</b>	<b>\$ 35,660,086</b>

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

Reservation	Upgrade Name	COD	EOC
895203, 895204	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007



**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
MIDW AG1-2005-057

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
MIDW	895205, 895206	WPEK	WR	25	6/1/2006	6/1/2009	4/1/2008	4/1/2011	\$ -	\$ -	\$ 1,505,916	\$ -	
										\$ -	\$ -	\$ 1,505,916	\$ 91,414,003

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895205, 895206	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 2,165	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 3,510	\$ 300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 5,480	\$ 400,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 72,007	\$ 1,300,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 6,538	\$ 153,114	
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 181,549	\$ 6,080,000	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 11,390	\$ 1,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 8,828	\$ 750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 3,729	\$ 100,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 217,978	\$ 3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 21,536	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 409,344	\$ 7,800,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 34,194	\$ 1,164,639	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 199,812	\$ 45,104,390	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 53,297	\$ 1,129,660	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 274,560	\$ 22,000,000	
				<b>Total</b>	<b>\$ 1,505,916</b>	<b>\$ 91,414,003</b>

Customer Study Number  
MIDW AG1-2005-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
MIDW	895207, 895208	KCPL	WR	25	6/1/2006	6/1/2009	5/1/2007	5/1/2010	\$ -	\$ -	\$ 1,422,885	\$ -	
										\$ -	\$ -	\$ 1,422,885	\$ 20,580,086

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895207, 895208	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 309	\$ 70,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 140,322	\$ 1,300,000	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 63,675	\$ 1,143,587	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 18,170	\$ 1,000,000	
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 155,872	\$ 2,900,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 228,991	\$ 3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 37,339	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 709,566	\$ 7,800,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 24,003	\$ 1,164,639	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 42,046	\$ 1,129,660	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 2,791	\$ 125,000	
				<b>Total</b>	<b>\$ 1,422,885</b>	<b>\$ 20,580,086</b>

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

Reservation	UpgradeName	COD	EOC
895207, 895208	GREENSBURG 115KV	6/1/2006	6/1/2006
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

Customer Study Number  
MIDW AG1-2005-059

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
MIDW	895209, 895210	SECI	WR	25	6/1/2006	6/1/2009	4/1/2008	4/1/2011	\$ -	\$ -	\$ 1,227,618	\$ -	
										\$ -	\$ -	\$ 1,227,618	\$ 85,334,003

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895209, 895210	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 2,516	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 4,080	\$ 300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 6,488	\$ 400,000	
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 47,294	\$ 1,300,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 6,195	\$ 153,114	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 9,850	\$ 1,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 9,525	\$ 750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 4,290	\$ 100,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 239,546	\$ 3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 13,718	\$ 417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 260,598	\$ 7,800,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 50,254	\$ 1,164,639	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 245,819	\$ 45,104,390	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 22,966	\$ 1,129,660	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 304,480	\$ 22,000,000	
				<b>Total</b>	<b>\$ 1,227,618</b>	<b>\$ 85,334,003</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer**      **Study Number**  
**MIDW**            **AG1-2005-060**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MIDW	895216, 897090	WPEK	WR	10	10/1/2005	10/1/2016	4/1/2008	4/1/2019	\$ -	\$ -	\$ 1,729,009	\$ 106,469,843
									<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,729,009</b>	<b>\$ 106,469,843</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895216, 897090	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	731	185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	1,185	300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	1,876	400,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	5,994	153,114	
	HAGGARD - WEST DODGE 115KV	4/1/2006	4/1/2008	1,110,126	3,885,500	
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	111,021	6,080,000	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	10,980	9,000,000	
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	60,480	8,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	2,775	750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	4,145	100,000	
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	63,456	3,200,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	90,439	3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	2,987	417,200	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	21,523	1,164,639	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	69,912	45,104,390	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	88,000	22,000,000	
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	83,380	2,200,000	
				<b>Total</b>	<b>\$ 1,729,009</b>	<b>\$ 106,469,843</b>

**Customer**      **Study Number**  
**MIDW**            **AG1-2005-061**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated Cost	Total Cost
MIDW	895217, 897091	WPEK	WR	25	10/1/2005	10/1/2016	4/1/2008	4/1/2019	\$ -	\$ -	\$ 4,322,646	\$ 106,469,843
									<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,322,646</b>	<b>\$ 106,469,843</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895217, 897091	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	1,938	185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	2,964	300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	4,688	400,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	14,985	153,114	
	HAGGARD - WEST DODGE 115KV	4/1/2006	4/1/2008	2,775,374	3,885,500	
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	277,491	6,080,000	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	27,450	9,000,000	
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	151,120	8,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	6,838	750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	10,363	100,000	
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	158,624	3,200,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	226,097	3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	7,464	417,200	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	53,806	1,164,639	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	175,005	45,104,390	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	220,000	22,000,000	
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	208,450	2,200,000	
				<b>Total</b>	<b>\$ 4,322,646</b>	<b>\$ 106,469,843</b>

**Customer**      **Study Number**  
**MIDW**            **AG1-2005-064**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MIDW	895938	SECI	WR	100	6/1/2010	6/1/2030			\$ 1,080,000	\$ -	\$ 7,312,735	\$ 99,734,003
									<b>\$ 1,080,000</b>	<b>\$ -</b>	<b>\$ 7,312,735</b>	<b>\$ 99,734,003</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
895938	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	10,264	185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	16,644	300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	26,572	400,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	24,757	153,114	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	237,780	9,000,000	
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	41,660	1,000,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	38,723	750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	17,092	100,000	
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	1,017,205	3,530,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	56,727	417,200	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	1,077,960	7,800,000	
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	279,176	1,164,639	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	1,278,258	45,104,390	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	92,564	1,129,860	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	1,246,300	22,000,000	
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	1,017,640	4,500,000	
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	833,514	2,200,000	
				<b>Total</b>	<b>\$ 7,312,735</b>	<b>\$ 99,734,003</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
MIDW AG1-2005-065

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MIDW	895940	WPEK	WR	100	10/1/2006	10/1/2011	4/1/2008	4/1/2013	\$ -	\$ -	\$ 6,222,846	\$ 96,064,003

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
895940	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 4,237	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 6,870	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 9,736	\$ 400,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 328,536	\$ 1,300,000
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 20,802	\$ 153,114
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 509,930	\$ 6,080,000
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 50,630	\$ 1,000,000
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 14,361	\$ 100,000
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	\$ 342,176	\$ 3,200,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 831,139	\$ 3,530,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 103,578	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 1,968,330	\$ 7,800,000
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 179,925	\$ 1,164,639
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 414,960	\$ 45,104,390
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 147,138	\$ 1,129,660
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 456,720	\$ 22,000,000
	WEST MCPHERSON - WHEATLAND 115KV	6/1/2010	6/1/2010	\$ 833,778	\$ 2,200,000
	<b>Total</b>			<b>\$ 6,222,846</b>	<b>\$ 96,064,003</b>

Customer Study Number  
MIDW AG1-2005-066

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MIDW	895941	WR	WPEK	100	10/1/2006	10/1/2011	4/1/2008	4/1/2013	\$ -	\$ -	\$ 16,073,727	\$ 59,887,086

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
895941	95TH & WAVERLY - CAPTAIN JUNCTION 115KV	6/1/2010	6/1/2010	\$ 1,532,100	\$ 2,000,000
	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 716,355	\$ 2,250,000
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 1,010,371	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 846,048	\$ 3,200,000
	EXIDE JUNCTION - SUMMIT 115KV	10/1/2005	5/1/2006	\$ 246,883	\$ 1,300,000
	FARMER'S CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 306,896	\$ 400,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV	6/1/2010	6/1/2010	\$ 12,492	\$ 22,000
	GILL ENERGY CENTER EAST - OATVILLE 69KV	6/1/2010	6/1/2010	\$ 568,550	\$ 1,000,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 467,647	\$ 1,143,587
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 449,140	\$ 1,000,000
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 554,256	\$ 2,400,000
	KELLY - SOUTH SENECA 115KV	4/1/2006	3/1/2007	\$ 1,375,702	\$ 2,900,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 754,960	\$ 8,000,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 65,188	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 1,238,796	\$ 7,800,000
	PHILLIPSBURG - SMITH CENTER 115KV	6/1/2007	4/1/2008	\$ 2,614,054	\$ 5,510,000
	PLAINVILLE CAPACITOR	4/1/2006	10/1/2006	\$ 247,672	\$ 1,164,639
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 308,826	\$ 1,129,660
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 1,012,908	\$ 1,200,000
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 297,720	\$ 4,500,000
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 1,130,693	\$ 5,250,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 316,470	\$ 3,000,000
	<b>Total</b>			<b>\$ 16,073,727</b>	<b>\$ 59,887,086</b>

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

895941	GREENSBURG 115KV	6/1/2006	6/1/2006
895941	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
 MSCG AG1-2005-005

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MSCG	858365	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 891,252	
MSCG	858368	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 891,252	
MSCG	858369	MPS	EES	108	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 1,100,846	\$ 1,782,084	
									<b>\$ -</b>	<b>\$ 2,201,692</b>	<b>\$ 3,564,589</b>	<b>\$ 72,269,390</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
858365	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 3,249	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 5,268	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 8,640	\$ 400,000
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 14,085	\$ 750,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 89,909	\$ 3,530,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 363,541	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 406,560	\$ 22,000,000
Total				<b>\$ 891,252</b>	<b>\$ 72,269,390</b>
858368	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 3,249	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 5,268	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 8,640	\$ 400,000
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 14,085	\$ 750,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 89,909	\$ 3,530,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 363,541	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 406,560	\$ 22,000,000
Total				<b>\$ 891,252</b>	<b>\$ 72,269,390</b>
858369	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 6,497	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 10,536	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 17,276	\$ 400,000
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 28,170	\$ 750,000
	MINGO AND RHOADES DVAR	12/1/2005	10/1/2006	\$ 179,854	\$ 3,530,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 726,632	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 813,120	\$ 22,000,000
Total				<b>\$ 1,782,084</b>	<b>\$ 72,269,390</b>

Customer Study Number  
 MSCG AG1-2005-006

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MSCG	858370	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 551,615	
MSCG	858371	MPS	EES	54	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 550,423	\$ 551,615	
MSCG	858372	MPS	EES	108	1/1/2006	1/1/2007	4/1/2008	4/1/2009	\$ -	\$ 1,100,846	\$ 1,103,905	
									<b>\$ -</b>	<b>\$ 2,201,692</b>	<b>\$ 2,207,134</b>	<b>\$ 67,989,390</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
858370	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 2,296	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 3,723	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 6,032	\$ 400,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 256,644	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 282,920	\$ 22,000,000
	Total				<b>\$ 551,615</b>
858371	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 2,296	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 3,723	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 6,032	\$ 400,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 256,644	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 282,920	\$ 22,000,000
	Total				<b>\$ 551,615</b>
858372	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 4,592	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 7,446	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 12,068	\$ 400,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 513,739	\$ 45,104,390
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 566,060	\$ 22,000,000
	Total				<b>\$ 1,103,905</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer** Study Number  
**MSCG** AG1-2005-007

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MSCG	858374	KCPL	EES	54	1/1/2006	1/1/2007			\$ -	\$ 550,423	\$ -	
MSCG	858375	KCPL	EES	54	1/1/2006	1/1/2007			\$ -	\$ 550,423	\$ -	
MSCG	858376	KCPL	EES	108	1/1/2006	1/1/2007			\$ -	\$ 1,100,846	\$ -	
									<b>\$ -</b>	<b>\$ 2,201,692</b>	<b>\$ -</b>	<b>\$ -</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
858374	None			\$ -	\$ -
858375	None			\$ -	\$ -
858376	None			\$ -	\$ -
<b>Total</b>				<b>\$ -</b>	<b>\$ -</b>

**Customer** Study Number  
**MSCG** AG1-2005-026

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
MSCG	881526	OKGE	EES	50	1/1/2006	1/1/2007	6/1/2008	6/1/2009	\$ -	\$ 509,651	\$ 947,662	
									<b>\$ -</b>	<b>\$ 509,651</b>	<b>\$ 947,662</b>	<b>\$ 5,760,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
881526	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	627	70,000
	CLASSEN - SW STAP 138KV	6/1/2006	5/16/2007	38,844	50,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	3,077	120,000
	FIXICO TAP - MAUD 138KV	6/1/2006	6/1/2008	905,114	5,520,000
<b>Total</b>				<b>\$ 947,662</b>	<b>\$ 5,760,000</b>

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

Reservation	UpgradeName	COD	EOC
881526	AEPW PLANNED UPGRADE FOR NW ARKANSAS	10/1/2005	6/1/2007

**Customer** Study Number  
**OMPA** AG1-2005-009

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated Cost	Total Cost
OMPA	843135	WR	WR	114	4/1/2005	4/1/2010	3/1/2007	3/1/2012	\$ 25,560,000	\$ -	\$ 8,831,479	
									<b>\$ 25,560,000</b>	<b>\$ -</b>	<b>\$ 8,831,479</b>	<b>\$ 19,338,000</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
843135	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 109,193	\$ 2,250,000
	BELL - PECK 69KV	6/1/2010	6/1/2010	\$ 1,252,920	\$ 2,000,000
	BUTLER 138/69KV TRANSFORMER	6/1/2010	6/1/2010	\$ 1,382,100	\$ 1,500,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 19,157	\$ 120,000
	CRESWELL - OAK 69KV	6/1/2006	6/1/2006	\$ 68,477	\$ 143,000
	CRESWELL - PARIS 69KV	6/1/2006	6/1/2006	\$ 68,480	\$ 143,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV	6/1/2006	3/1/2007	\$ 2,032,333	\$ 2,750,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV	6/1/2010	6/1/2010	\$ 4,839	\$ 22,000
	GILL ENERGY CENTER EAST - OATVILLE 69KV	6/1/2010	6/1/2010	\$ 218,920	\$ 1,000,000
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2010	6/1/2010	\$ 1,879,380	\$ 3,000,000
	MIDIAN - WILLIAMS BROTHERS PIPELINE 161KV	12/1/2010	12/1/2010	\$ 45,315	\$ 50,000
	MIDIAN 138/69/13.2KV TRANSFORMER	6/1/2006	11/1/2006	\$ 1,140,495	\$ 1,500,000
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 66,618	\$ 610,000
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 390,420	\$ 3,000,000
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV	6/1/2010	6/1/2010	\$ 112,560	\$ 1,200,000
	TECUMSEH HILL - WILLIAMS BROTHERS PIPELINE 161KV	12/1/2010	12/1/2010	\$ 40,273	\$ 50,000
<b>Total</b>				<b>\$ 8,831,479</b>	<b>\$ 19,338,000</b>

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
 OMPA AG1-2005-079

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
OMPA	896823, 896825, 896826	SECI	OMPA	50	6/1/2009	6/1/2024			\$ 9,000,000	\$ -	\$ 12,646,559	
									<b>\$ 9,000,000</b>	<b>\$ -</b>	<b>\$ 12,646,559</b>	<b>\$ 158,910,400</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
896823, 896825, 896826	ALTUS LOOP	6/1/2006	4/1/2008	\$ 1,336,640	\$ 8,000,000	
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 227,384	\$ 5,446,333	
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 12,499	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 20,268	\$ 300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 29,968	\$ 400,000	
	FERRELVUE CAPACITOR	6/1/2015	6/1/2015	\$ 16,470	\$ 500,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 9,940	\$ 153,114	
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 760,243	\$ 6,080,000	
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 191,430	\$ 9,000,000	
	JEC - SWISSVALE 345KV	6/1/2015	6/1/2015	\$ 4,392,960	\$ 32,000,000	
	KIRBY - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 13,722	\$ 142,733	
	MCLEAN RURAL - MCLELLN3 115KV	6/1/2010	6/1/2010	\$ 423,576	\$ 4,405,826	
	MCLEAN RURAL - SHAMROCK 115KV	6/1/2010	6/1/2010	\$ 774,248	\$ 8,053,344	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 49,238	\$ 750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 6,963	\$ 100,000	
	MEDICINE LODGE 138/115KV TRANSFORMER	6/1/2008	6/1/2008	\$ 429,344	\$ 3,200,000	
	MILLER - WHITE EAGLE 138KV	6/1/2014	6/1/2014	\$ 73,093	\$ 210,000	
	NASHUA CAPACITOR	6/1/2015	6/1/2015	\$ 16,470	\$ 500,000	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 1,476,718	\$ 45,104,390	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 42,577	\$ 1,129,660	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 1,405,580	\$ 22,000,000	
	SHAMROCK 115/69/14.4KV TRANSFORMER	4/1/2006	6/1/2007	\$ 130,860	\$ 1,500,000	
	SPEARVILLE 345/230/13.8KV TRANSFORMER	12/1/2010	12/1/2010	\$ 443,115	\$ 4,500,000	
	SWISSVALE 345/230/14.4KV TRANSFORMER	12/1/2010	12/1/2010	\$ 363,353	\$ 5,250,000	
				<b>Total</b>	<b>\$ 12,646,559</b>	<b>\$ 158,910,400</b>

Customer Study Number  
 OMPA SPP-2004-190D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
OMPA	796904, 796910, 796911	OMPA	OMPA_OKGEE	438	12/1/2005	12/1/2006			\$ -	\$ -	\$ -	
OMPA	796906, 796909, 796913	OMPA	OMPA_WFEC	34	12/1/2005	12/1/2006	4/1/2008	4/1/2009	\$ -	\$ -	\$ 9,865,875	
OMPA	796907, 796908, 796912	OMPA	OMPA_CSWS	161	12/1/2005	12/1/2006	4/1/2008	4/1/2009	\$ -	\$ -	\$ 10,604,683	
									<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,470,558</b>	<b>\$ 111,998,170</b>

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
796906, 796909, 796913	ALTUS JCT TAP - RUSSELL 138KV	4/1/2006	4/1/2007	\$ 3,125,000	\$ 3,125,000	
	ALTUS LOOP	6/1/2006	4/1/2008	\$ 1,131,200	\$ 8,000,000	
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 2,113	\$ 70,000	
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 99,396	\$ 5,446,333	
	EL RENO - EL RENO SW 69KV	4/1/2006	4/1/2007	\$ 182,130	\$ 1,500,000	
	ELDORADO - ELDORADO JCT 69KV	10/1/2005	4/1/2007	\$ 240,422	\$ 2,600,000	
	ELDORADO - LAKE PAULINE 69KV	10/1/2005	3/16/2007	\$ 924	\$ 10,000	
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 4,914	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 7,968	\$ 300,000	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 17,130	\$ 750,000	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 305,808	\$ 45,104,390	
	REDBUD - RIVERSIDE STATION 345KV	12/1/2007	12/1/2007	\$ 4,646	\$ 125,000	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 348,700	\$ 22,000,000	
	SHAMROCK 115/69/14.4KV TRANSFORMER	4/1/2006	6/1/2007	\$ 69,525	\$ 1,500,000	
	SNYDER - ALTUS JCT 138KV	6/1/2006	4/1/2008	\$ 4,326,000	\$ 15,000,000	
				<b>Total</b>	<b>\$ 9,865,875</b>	<b>\$ 105,715,723</b>
796907, 796908, 796912	ALTUS LOOP	6/1/2006	4/1/2008	\$ 5,532,160	\$ 8,000,000	
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 33,332	\$ 5,446,333	
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 894	\$ 108,000	
	EAST CENTRAL HENRYETTA - WELLETKA 138KV	12/1/2005	12/1/2006	\$ 696	\$ 84,000	
	HAMON BUTLER - MOREWOOD 69KV	12/1/2005	4/1/2007	\$ 93,534	\$ 3,400,000	
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 3,557	\$ 1,143,587	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 3,090	\$ 750,000	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 822	\$ 417,200	
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 2,350	\$ 1,129,660	
	SNYDER - ALTUS JCT 138KV	6/1/2006	4/1/2008	\$ 4,934,250	\$ 15,000,000	
				<b>Total</b>	<b>\$ 10,604,683</b>	<b>\$ 35,478,780</b>
796904, 796910, 796911	None			\$ -	\$ -	
				<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>

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

796906, 796909, 796913	PENNSYLVANIA - WESTMOORE 138KV	12/1/2007	9/1/2005
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007
796907, 796908, 796912	GREENSBURG 115KV	6/1/2006	6/1/2006

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
**SPSM SPP-2004-141**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	750450	SPS	EDDY	35	1/1/2007	1/1/2013	4/1/2008	\$ 41,730	\$ -	4,032,920	\$ 3,126,018	\$ 88,962,358
									\$ -	\$ 4,032,920	\$ 3,126,018	\$ 88,962,358

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
750450	BUSHLAND - NE HEREFORD 230KV	12/1/2005	4/1/2008	\$ 371,275	\$ 7,518,733	
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 103,916	\$ 5,446,333	
	DOSS3 115KV	12/1/2005	12/1/2006	\$ 77,130	\$ 750,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 4,476	\$ 400,000	
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER	12/1/2005	1/1/2007	\$ 103,920	\$ 3,000,010	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 13,943	\$ 750,000	
	MUSTANG STATION 230/115KV TRANSFORMER	4/1/2006	1/1/2007	\$ 288,900	\$ 2,500,000	
	MUSTANG-SAN ANDR-AMERADA HESS 115KV	4/1/2006	4/1/2007	\$ 108,596	\$ 742,892	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 1,666,607	\$ 45,104,390	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 283,800	\$ 22,000,000	
	SNANDR3 115KV	10/1/2005	12/1/2006	\$ 103,455	\$ 750,000	
				<b>Total</b>	<b>\$ 3,126,018</b>	<b>\$ 88,962,358</b>

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

Reservation	Upgrade Name	COD	EOC
750450	7RIVERS-PECOS-POTASH JUNCTION 230 KV	6/1/2006	4/1/2008
	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Customer Study Number**  
**SPSM SPP-2004-177**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	793360	SPS	KACY	20	6/1/2005	6/1/2006	4/1/2008	4/1/2009	\$ -	\$ 211,055	\$ 3,547,203	\$ 103,741,455
									\$ -	\$ 211,055	\$ 3,547,203	\$ 103,741,455

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost	
793360	BUSHLAND - NE HEREFORD 230KV	12/1/2005	4/1/2008	\$ 127,818	\$ 7,518,733	
	CONWAY - KIRBY 115KV	4/1/2006	1/1/2007	\$ 107,402	\$ 5,446,333	
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 1,279	\$ 120,000	
	ELDORADO - ELDORADO JCT 69KV	10/1/2005	4/1/2007	\$ 116,376	\$ 2,600,000	
	ELDORADO - LAKE PAULINE 69KV	10/1/2005	3/16/2007	\$ 455	\$ 10,000	
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 8,362	\$ 185,000	
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 13,560	\$ 300,000	
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 29,300	\$ 400,000	
	GREENSBURG - JUDSON LARGE 115KV	4/1/2006	4/1/2006	\$ 2,538	\$ 153,114	
	HART INTG - KRESS INT 115KV	4/1/2006	3/15/2008	\$ 254,776	\$ 9,053,875	
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER	12/1/2005	1/1/2007	\$ 300,601	\$ 3,000,010	
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 25,538	\$ 750,000	
	MEDICINE LODGE - SUN CITY 115KV	12/1/2006	12/1/2006	\$ 1,717	\$ 100,000	
	MUSTANG STATION 230/115KV TRANSFORMER	4/1/2006	1/1/2007	\$ 369,550	\$ 2,500,000	
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 587,259	\$ 45,104,390	
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 1,374,340	\$ 22,000,000	
	SHAMROCK 115/69/14.4KV TRANSFORMER	4/1/2006	6/1/2007	\$ 54,825	\$ 1,500,000	
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 171,510	\$ 3,000,000	
				<b>Total</b>	<b>\$ 3,547,203</b>	<b>\$ 103,741,455</b>

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

Reservation	Upgrade Name	COD	EOC
793360	7RIVERS-PECOS-POTASH JUNCTION 230 KV	6/1/2006	4/1/2008
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
SPSM SPP-2004-178

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794577	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
SPSM	794630	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
SPSM	794643	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
									\$ -	\$ 2,878,029	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
794577	None			\$ -	\$ -
794630	None			\$ -	\$ -
794643	None			\$ -	\$ -
Total				\$ -	\$ -

Reservation 381171 Required for Curtailment (Other considered curtailments not feasible)		Curtailment Amount Required by Dates Needed				
Reservation	Overloaded Facility	10/1/2005 - 12/1/2005 (MW)	12/1/2005 - 4/1/2006 (MW)	4/1/2006 - 6/1/2006 (MW)	6/1/2006 - 10/1/2006 (MW)	
794577	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	9	
	MILAN 138KV	0	0	0	9	
	MOORE COUNTY INTERCHANGE E 230/115KV TRANSFORMER	0	0	1	0	
	PRATT 115KV	0	0	0	9	
	SNYDER 138/69/13.8KV TRANSFORMER	0	0	0	5	
794630	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	9	
	MILAN 138KV	0	0	0	9	
	MOORE COUNTY INTERCHANGE E 230/115KV TRANSFORMER	0	0	1	0	
	PRATT 115KV	0	0	0	9	
	SNYDER 138/69/13.8KV TRANSFORMER	0	0	0	5	
794643	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	9	
	MILAN 138KV	0	0	0	9	
	MOORE COUNTY INTERCHANGE E 230/115KV TRANSFORMER	0	0	1	0	
	PRATT 115KV	0	0	0	9	
	SNYDER 138/69/13.8KV TRANSFORMER	0	0	0	5	

Customer Study Number  
SPSM SPP-2004-179

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794579	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
SPSM	794633	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
SPSM	794644	OKGE	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	-
									\$ -	\$ 2,878,029	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
794579	None			\$ -	\$ -
794633	None			\$ -	\$ -
794644	None			\$ -	\$ -
Total				\$ -	\$ -

Reservation 381171 Required for Curtailment (Other considered curtailments not feasible)		Curtailment Amount Required by Dates Needed				
Reservation	Overloaded Facility	10/1/2005 - 12/1/2005 (MW)	12/1/2005 - 4/1/2006 (MW)	4/1/2006 - 6/1/2006 (MW)	6/1/2006 - 10/1/2006 (MW)	
794579	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	10	
	MILAN 138KV	0	0	0	10	
	PRATT 115KV	0	0	0	10	
794633	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	10	
	MILAN 138KV	0	0	0	10	
	PRATT 115KV	0	0	0	10	
794644	GYPSUM - RUSSELL 69KV	0	5	0	0	
	MEDICINE LODGE 115KV	0	0	0	10	
	MILAN 138KV	0	0	0	10	
	PRATT 115KV	0	0	0	10	



**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
SPSM SPP-2004-180

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794580	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	
SPSM	794634	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	
SPSM	794645	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 134,260	
									\$ -	\$ 2,878,029	\$ 402,781	\$ 3,792,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
794580	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 114,876	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,904	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,481	\$ 84,000
				<b>Total</b>	<b>\$ 134,260 \$ 3,792,000</b>
794634	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 114,876	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,904	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,481	\$ 84,000
				<b>Total</b>	<b>\$ 134,260 \$ 3,792,000</b>
794645	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 114,876	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,904	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,481	\$ 84,000
				<b>Total</b>	<b>\$ 134,260 \$ 3,792,000</b>

Reservation 381171 Required for Curtailment* (Other considered curtailments not feasible)		Curtailment Amount Required by Dates Needed			
Reservation	Overloaded Facility	6/1/2007 - 10/1/2007 (MW)	10/1/2007 - 12/1/2007 (MW)	12/1/2007 - 4/1/2008 (MW)	4/1/2008 - 6/1/2008 (MW)
794580	SNYDER 138/69/13.8KV TRANSFORMER	4	0	0	0
794634	SNYDER 138/69/13.8KV TRANSFORMER	4	0	0	0
794645	SNYDER 138/69/13.8KV TRANSFORMER	4	0	0	0

\*Reservation 381171 must be renewed in order to receive Curtailment Credit

Customer Study Number  
SPSM SPP-2004-181

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794581	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	
SPSM	794635	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	
SPSM	794647	WR	SPS	50	6/1/2005	6/1/2006	5/1/2007	5/1/2008	\$ -	\$ 959,343	\$ 1,599,852	
									\$ -	\$ 2,878,029	\$ 4,799,555	\$ 20,390,447

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
794581	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 566,439	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 474,304	\$ 3,200,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 33,347	\$ 1,143,587
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 361,704	\$ 2,400,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 7,101	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 134,940	\$ 7,800,000
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 22,017	\$ 1,129,660
				<b>Total</b>	<b>\$ 1,599,852 \$ 20,390,447</b>
794635	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 566,439	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 474,304	\$ 3,200,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 33,347	\$ 1,143,587
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 361,704	\$ 2,400,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 7,101	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 134,940	\$ 7,800,000
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 22,017	\$ 1,129,660
				<b>Total</b>	<b>\$ 1,599,852 \$ 20,390,447</b>
794647	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 566,439	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 474,304	\$ 3,200,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 33,347	\$ 1,143,587
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 361,704	\$ 2,400,000
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	10/1/2005	4/1/2006	\$ 7,101	\$ 417,200
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV	10/1/2005	5/1/2007	\$ 134,940	\$ 7,800,000
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 22,017	\$ 1,129,660
				<b>Total</b>	<b>\$ 1,599,852 \$ 20,390,447</b>

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

Reservation	Upgrade Name	COD	EOC
794581	GREENSBURG 115KV	6/1/2006	6/1/2006
794635	GREENSBURG 115KV	6/1/2006	6/1/2006
794647	GREENSBURG 115KV	6/1/2006	6/1/2006

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

Customer Study Number  
SPSM SPP-2004-182

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794582	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	794636	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
SPSM	794651	MPS	SPS	50	6/1/2005	6/1/2006	10/1/2005	10/1/2006	\$ -	\$ 959,343	\$ -	\$ -
									\$ -	\$ 2,878,029	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
794582	None			\$ -	\$ -
794636	None			\$ -	\$ -
794651	None			\$ -	\$ -
Total				\$ -	\$ -

Reservation 381171 Required for Curtailment (Other considered curtailments not feasible)		Curtailment Amount Required by Dates Needed				
Reservation	Overloaded Facility	10/1/2005 - 12/1/2005 (MW)	12/1/2005 - 4/1/2006 (MW)	4/1/2006 - 6/1/2006 (MW)	6/1/2006 - 10/1/2006 (MW)	
794582	EXIDE JUNCTION - SUMMIT 115KV	0	0	0	8	
	HAPPY INTERCHANGE - PALODU 115KV	0	0	1	0	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	8	8	0	6	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2	8	8	0	6	
794636	EXIDE JUNCTION - SUMMIT 115KV	0	0	0	8	
	HAPPY INTERCHANGE - PALODU 115KV	0	0	1	0	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	8	8	0	6	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2	8	8	0	6	
794651	EXIDE JUNCTION - SUMMIT 115KV	0	0	0	8	
	HAPPY INTERCHANGE - PALODU 115KV	0	0	1	0	
	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV	8	8	0	6	
	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2	8	8	0	6	

Customer Study Number  
SPSM SPP-2004-183

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPSM	794588	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ -
SPSM	794638	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ -
SPSM	794652	CSWS	SPS	50	6/1/2005	6/1/2006	6/1/2007	6/1/2008	\$ -	\$ 959,343	\$ 174,955	\$ -
									\$ -	\$ 2,878,029	\$ 524,864	\$ 3,792,000

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
794588	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 155,484	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,952	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,518	\$ 84,000
Total				\$ 174,955	\$ 3,792,000
794638	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 155,484	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,952	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,518	\$ 84,000
Total				\$ 174,955	\$ 3,792,000
794652	BROKEN ARROW 101ST NORTH - ONETA 138KV	6/1/2006	6/1/2007	\$ 155,484	\$ 3,600,000
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	12/1/2005	12/1/2006	\$ 10,952	\$ 108,000
	EAST CENTRAL HENRYETTA - WEELETKA 138KV	12/1/2005	12/1/2006	\$ 8,518	\$ 84,000
Total				\$ 174,955	\$ 3,792,000

Reservation 381171 Required for Curtailment* (Other considered curtailments not feasible)		Curtailment Amount Required by Dates Needed			
Reservation	Overloaded Facility	6/1/2007 - 10/1/2007 (MW)	10/1/2007 - 12/1/2007 (MW)	12/1/2007 - 4/1/2008 (MW)	4/1/2008 - 6/1/2008 (MW)
794588	SNYDER 138/69/13KV TRANSFORMERCT1	3	0	0	0
794638	SNYDER 138/69/13KV TRANSFORMERCT1	3	0	0	0
794652	SNYDER 138/69/13KV TRANSFORMERCT1	3	0	0	0

\*Reservation 381171 must be renewed in order to receive Curtailment Credit

**Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade**

**Customer Study Number**  
**UCU AG1-2005-067**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
UCU	736985	MPS	MPS	105	6/1/2007	6/1/2008	10/1/2007	10/1/2008			\$ 2,862,568		
										\$ -	\$ -	\$ 2,862,568	\$ 7,200,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
736985	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV	6/1/2007	6/1/2007	\$ 650,130	\$ 1,300,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 76,390	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 13,205	\$ 50,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV	6/1/2006	10/1/2007	\$ 2,122,844	\$ 4,244,500
				<b>Total</b>	<b>\$ 2,862,568</b>

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

Reservation	UpgradeName	COD	EOC
736985	ANACONDA - FREEMAN 69KV	12/1/2005	4/1/2007
	ANACONDA - HARRISONVILLE WEST 69KV	12/1/2005	4/1/2007
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Customer Study Number**  
**UCU AG1-2005-068**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
UCU	736987	MPS	MPS	105	6/1/2009	6/1/2010					\$ 3,365,688		
										\$ -	\$ -	\$ 3,365,688	\$ 7,700,000

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
736987	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV	6/1/2007	6/1/2007	\$ 649,870	\$ 1,300,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 80,853	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 13,309	\$ 50,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV	6/1/2006	10/1/2007	\$ 2,121,656	\$ 4,244,500
	ODESSA CAPACITOR	6/1/2010	6/1/2010	\$ 500,000	\$ 500,000
				<b>Total</b>	<b>\$ 3,365,688</b>

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

Reservation	UpgradeName	COD	EOC
736987	ANACONDA - FREEMAN 69KV	12/1/2005	4/1/2007
	ANACONDA - HARRISONVILLE WEST 69KV	12/1/2005	4/1/2007
	EAST - WOODBINE 161KV	6/1/2008	6/1/2008
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Customer Study Number**  
**UCU SPP-2004-193**

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost	
UCU	807123	EES	MPS	75	6/1/2007	6/1/2008				\$ 793,626	\$ 679,446		
UCU	807124	EES	MPS	75	6/1/2007	6/1/2008				\$ 793,626	\$ 679,446		
UCU	807125	EES	MPS	75	6/1/2007	6/1/2008				\$ 793,626	\$ 679,446		
UCU	807126	EES	MPS	75	6/1/2007	6/1/2008				\$ 793,626	\$ 679,446		
										\$ -	\$ 3,174,504	\$ 2,717,785	\$ 5,005,500

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
807123	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 333,848	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 5,469	\$ 50,000
	RALPH GREEN 69KV	6/1/2007	6/1/2007	\$ 87,500	\$ 350,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 252,630	\$ 3,000,000
				<b>Total</b>	<b>\$ 679,446</b>
807124	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 333,848	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 5,469	\$ 50,000
	RALPH GREEN 69KV	6/1/2007	6/1/2007	\$ 87,500	\$ 350,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 252,630	\$ 3,000,000
				<b>Total</b>	<b>\$ 679,446</b>
807125	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 333,848	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 5,469	\$ 50,000
	RALPH GREEN 69KV	6/1/2007	6/1/2007	\$ 87,500	\$ 350,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 252,630	\$ 3,000,000
				<b>Total</b>	<b>\$ 679,446</b>
807126	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	6/1/2007	6/1/2007	\$ 333,848	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV	6/1/2007	6/1/2007	\$ 5,469	\$ 50,000
	RALPH GREEN 69KV	6/1/2007	6/1/2007	\$ 87,500	\$ 350,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 252,630	\$ 3,000,000
				<b>Total</b>	<b>\$ 679,446</b>

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

Reservation	UpgradeName	COD	EOC
807123	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006
807124	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006
807125	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006
807126	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

**Customer** Study Number  
**WFEC** AG1-2005-008

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
WFEC	863313	ERCOTE	WFEC	250	5/1/2010	5/1/2035			\$ 33,120,000	\$ 154,495,770	\$ 40,411,411	
									\$ 33,120,000	\$ 154,495,770	\$ 40,411,411	\$ 123,174,390

Reservation	Upgrade Name	COD	EOC	Allocated Cost	Total Cost
863313	ANADARKO 138/69KV TRANSFORMER	6/1/2006	6/1/2007	\$ 1,405,960	\$ 2,000,000
	BETHEL - BROKEN BOW 138KV	6/1/2015	6/1/2015	\$ 5,000,000	\$ 5,000,000
	BROKEN BOW - CRAIG JUNCTION 138KV	10/1/2005	4/1/2007	\$ 2,321,760	\$ 4,000,000
	BROWN - EXPLORER TAP 138KV	6/1/2010	6/1/2010	\$ 25,000	\$ 25,000
	BROWN - RUSSETT 138KV	12/1/2008	12/1/2008	\$ 100,000	\$ 100,000
	CANADIAN - CEDAR LANE 138KV	6/1/2015	6/1/2015	\$ 50,000	\$ 50,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 5,830	\$ 70,000
	CLARKSVILLE - MUSKOGEE 345KV	6/1/2013	6/1/2013	\$ 1,290,026	\$ 3,010,000
	CLAYTON 138KV	6/1/2015	6/1/2015	\$ 300,000	\$ 300,000
	EL RENO - EL RENO SW 69KV	4/1/2006	4/1/2007	\$ 1,317,870	\$ 1,500,000
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 19,519	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 31,653	\$ 300,000
	FORT COBB - SOUTHWEST STATION 138KV	6/1/2010	6/1/2010	\$ 2,906,775	\$ 7,500,000
	GLASSES - RUSSETT 138KV	6/1/2014	6/1/2014	\$ 10,000	\$ 10,000
	HUGO POWER PLANT - VALLIANT 138KV	6/1/2008	6/1/2008	\$ 14,944,000	\$ 16,000,000
	HUGO TAP - VALLIANT 138KV	6/1/2015	6/1/2015	\$ 150,000	\$ 150,000
	MCLEAN RURAL 115KV	4/1/2006	12/1/2006	\$ 138,473	\$ 750,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 1,713,516	\$ 45,104,390
	RUSSETT - RUSSETT 138KV	12/1/2009	12/1/2009	\$ 120,000	\$ 120,000
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 2,821,280	\$ 22,000,000
	SNYDER - ALTUS JCT 138KV	6/1/2006	4/1/2008	\$ 5,739,750	\$ 15,000,000
			Total	\$ 40,411,411	\$ 123,174,390

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

Reservation	UpgradeName	COD	EOC
863313	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Customer** Study Number  
**WRGS** AG1-2005-027D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
WRGS	886185	OKGE	WR	300	10/1/2005	10/1/2011	11/1/2006	11/1/2012	\$ 54,000,000		\$ 5,966,597	
									\$ 54,000,000	\$ -	\$ 5,966,597	\$ 21,100,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
886185	BOEING - STEARMAN 138KV	6/1/2006	3/1/2007	\$ 201,618	\$ 300,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 24,125	\$ 70,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 44,548	\$ 120,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 410,400	\$ 9,000,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 3,697,680	\$ 8,000,000
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 313,796	\$ 610,000
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 1,274,430	\$ 3,000,000
			Total	\$ 5,966,597	\$ 21,100,000

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

Reservation	UpgradeName	COD	EOC
886185	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Customer** Study Number  
**WRGS** AG1-2005-028D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
WRGS	886189	OKGE	WR	150	10/1/2005	10/1/2011	12/1/2006	12/1/2012	\$ 27,000,000		\$ 3,608,962	
									\$ 27,000,000	\$ -	\$ 3,608,962	\$ 23,350,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
886189	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 634,253	\$ 2,250,000
	BOEING - STEARMAN 138KV	6/1/2006	3/1/2007	\$ 98,382	\$ 300,000
	CIMARRON - NORTHWEST 345KV	12/1/2005	12/1/2005	\$ 23,146	\$ 70,000
	CRESWELL - NEWKIRK 138KV	6/1/2006	6/1/2006	\$ 24,205	\$ 120,000
	HAWTHORN - NASHUA 345KV	6/1/2008	6/1/2008	\$ 199,260	\$ 9,000,000
	LACYGNE - PAOLA 345KV	6/1/2010	6/1/2010	\$ 1,882,160	\$ 8,000,000
	NORTHVIEW - SUMMIT 115KV	6/1/2006	6/1/2006	\$ 156,587	\$ 610,000
	ROSE HILL 345/138/13.8KV TRANSFORMER	6/1/2006	11/1/2006	\$ 590,970	\$ 3,000,000
			Total	\$ 3,608,962	\$ 23,350,000

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

Reservation	UpgradeName	COD	EOC
886189	TUCO INTERCHANGE 230KV	6/1/2007	6/1/2007

**Table 2** - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number  
 WRGS SPP-2004-118

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
WRGS	730609	WR	KACY	50	11/1/2004	11/1/2005	4/1/2008	4/1/2009	\$ -	\$ 527,639	\$ 2,963,214	\$ 92,492,637
									\$ -	\$ 527,639	\$ 2,963,214	\$ 92,492,637

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
730609	AUBURN ROAD 230/115/13.8KV TRANSFORMER	6/1/2006	12/1/2006	\$ 270,090	\$ 2,250,000
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	10/1/2005	3/1/2007	\$ 402,867	\$ 4,300,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 337,344	\$ 3,200,000
	ELK CITY - GRAPEVINE INTERCHANGE 230KV	4/1/2006	12/1/2006	\$ 2,560	\$ 185,000
	ELK CITY 230/138/13.8KV TRANSFORMER	12/1/2005	4/1/2007	\$ 4,152	\$ 300,000
	ELK CITY CAPACITOR	6/1/2006	1/1/2007	\$ 6,660	\$ 400,000
	HARPER - MEDICINE LODGE 138KV	6/1/2006	4/1/2008	\$ 351,667	\$ 6,080,000
	HARPER CAPACITOR	6/1/2006	10/1/2006	\$ 60,519	\$ 1,143,587
	HEC-HEC GT-CIRCLE 115KV	6/1/2007	6/1/2007	\$ 27,000	\$ 1,000,000
	KELLY - KING HILL N.M. COOP 115KV	10/1/2005	10/1/2006	\$ 352,632	\$ 2,400,000
	POTTER - ROOSEVELT 345KV	12/1/2005	10/1/2008	\$ 261,605	\$ 45,104,390
	PRATT CITY CAPACITOR	6/1/2006	10/1/2006	\$ 39,967	\$ 1,129,660
	SHAMROCK - SAYRE 138KV	4/1/2006	10/1/2007	\$ 275,880	\$ 22,000,000
	WEST GARDNER 345/161/13.8KV TRANSFORMER	6/1/2006	4/1/2007	\$ 570,270	\$ 3,000,000
				<b>Total</b>	<b>\$ 2,963,214 \$ 92,492,637</b>

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

Reservation	Upgrade Name	COD	EOC
730609	GREENSBURG 115KV	6/1/2006	6/1/2006
	ST JOE - WOODBINE 161KV	6/1/2006	10/1/2006

Customer Study Number  
 SPA AG1-2005-077

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Customer Allocation	Total E&C Cost
SPA	896846	WFEC	SPA	13	4/1/2006	6/1/2020			\$ 2,340,000	\$ 1,878,712	\$ 9,000,000	\$ 9,000,000
									\$ 2,340,000	\$ 1,878,712	\$ 9,000,000	\$ 9,000,000

Reservation	Upgrade Name	COD	EOC	Customer Allocation	Total E&C Cost
896846	DANVILLE (APL) - MAGAZINE REC 161KV	6/1/2014	6/1/2014	\$ 9,000,000	\$ 9,000,000
				<b>Total</b>	<b>\$ 9,000,000 \$ 9,000,000</b>

**Table 3 - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study**

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
GRDA	412SUB - KANSAS TAP 161KV	Reconductor 9.7 miles with 1590MCM ACSR.	6/1/2008	6/1/2008	\$ 1,488,000
GRDA	412SUB - KERR 161KV	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2008	6/1/2008	\$ 1,918,000
WERE	54TH & MERIDEN - HOYT 115KV	Rebuild 0.94 miles from Hoyt-Hoyt Junction 115 kV line with 1192 ACSR conductor. (Hoyt-Hoyt Junction is a portion of the Hoyt-54th & Meriden line.)	6/1/2010	6/1/2010	\$ 250,000
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	6/1/2010	6/1/2010	\$ 2,000,000
WERE	95TH & WAVERLY - EAST S.A.A.P. JCT 115KV	Rebuild 1.97 miles from 95th & Waverly-East SAAP Jct 115 kV line.	6/1/2010	6/1/2010	\$ 550,000
GRRD	AFTON 161/69/13.8KV TRANSFORMER	Replace 50 MVA Transformer with 84 MVA unit.	12/1/2005	4/1/2007	\$ 890,000
AEPW,WFEC	ALTUS JCT TAP - RUSSELL 138KV	Reconductor 12.5 miles from 336 to 795 ACSR	4/1/2006	4/1/2007	\$ 3,125,000
AEPW	ALTUS LOOP	Convert OMPA 69 kV load to 138 kV and build 138 kV loop around city of Altus	6/1/2006	4/1/2008	\$ 8,000,000
AEPW	ALUMAX TAP - BANN 138KV	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Reconductor 0.67 miles of 1024 ACAR with 2156 ACSR. Replace wavetrap & jumpers at Bann. Replace breaker 3300 at Bann.	6/1/2006	4/1/2007	\$ 1,000,000
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV	Reconductor 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 at Alumax Tap.	6/1/2006	4/1/2007	\$ 1,000,000
WFEC	ANADARKO - CYRIL 69KV	Reconductor 13 miles from 336 to 795 ACSR	6/1/2006	4/1/2007	\$ 3,250,000
WFEC	ANADARKO - GEORGIA 138KV	Replace switches, CTS and Wavetraps at Anadarko Switch	6/1/2011	6/1/2011	\$ 100,000
WFEC	ANADARKO 138/69KV TRANSFORMER	Install 2nd 112 MVA auto in parallel with existing Unit	6/1/2006	6/1/2007	\$ 2,000,000
WERE	AUBURN ROAD 230/115/13.8KV TRANSFORMER	Add second Auburn 230-115 kV transformer.	6/1/2006	12/1/2006	\$ 2,250,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV	Reset Relays	6/1/2011	6/1/2011	\$ 10,000
WERE	BELL - PECK 69KV	Rebuild 8.23 mile Bell-Peck 69 kV line.	6/1/2010	6/1/2010	\$ 2,000,000
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV	Conductor	6/1/2007	6/1/2007	\$ 1,300,000
SWPA,AEPW	BETHEL - BROKEN BOW 138KV	Reconductor 9.19 miles of 3/0 Copperweld with 795 ACSR	6/1/2015	6/1/2015	\$ 5,000,000
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV	Conductor	6/1/2007	6/1/2007	\$ 1,605,500
WERE	BOEING - STEARMAN 138KV	Uprate 1.95 mile Boeing-Stearman 138 kV line.	6/1/2006	3/1/2007	\$ 300,000
AEPW	BONANZA - BONANZA TAP 161KV	Reconductor 0.06 miles of 397.5 ACSR with 795MCM ACSR. Reset relay at Bonanza	6/1/2012	6/1/2012	\$ 100,000
AEPW	BONANZA - HACKETT AECC 161KV	Reconductor 2.36 miles of 397.5 ACSR with 795 ACSR.	6/1/2015	6/1/2015	\$ 1,200,000
AEPW	BROKEN ARROW 101ST NORTH - ONETA 138KV	Reconductor 6.05 miles of 795 ACSR with 2-795 ACSR. Replace jumper at Oneta	6/1/2006	6/1/2007	\$ 3,600,000
SWPA,AEPW	BROKEN BOW - CRAIG JUNCTION 138KV	Reconductor 7.66 miles of 3/0 CW CU with 795 ACSR, May have interim Switching Scheme	10/1/2005	4/1/2007	\$ 4,000,000
SWPA	BROOKLINE - SPRINGFIELD 161KV	Tie Line, Upgrade the main and transfer buses and buswork within bay at Springfield to 1600 amps. Replace disconnect switches and breaker at Springfield.	6/1/2015	6/1/2015	\$ 600,000
OKGE	BROWN - EXPLORER TAP 138KV	Upgrade CT to 800A at Brown.	6/1/2010	6/1/2010	\$ 25,000
SWPA,WFEC	BROWN - RUSSETT 138KV	Upgrade Terminal Equipment - Switches/Wavetraps	12/1/2008	12/1/2008	\$ 100,000
KACP	BUCYRUS - STILWELL 161KV	Rebuild Bucyrus line terminal at Stilwell so transmission line rating can be increased to conductor limits.	6/1/2011	6/1/2011	\$ 6,000
SPS	BUSHLAND - NE HEREFORD 230KV	New 115 kV circuit from Bushland to NE Hereford 230 kV construction w/795ACSR	12/1/2005	4/1/2008	\$ 7,518,733
WERE	BUTLER 138/69KV TRANSFORMER	Replace Butler transformer.	6/1/2010	6/1/2010	\$ 1,500,000

**Table 3** - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
OKGE	CANADIAN - CEDAR LANE 138KV	Replace 800A trap at Cedar Lane	6/1/2015	6/1/2015	\$ 50,000
AEPW	CATOOSA - LYNN LANE EAST TAP 138KV	Reconductor 2.8 miles of 954 ACSR with 2156 ACSR. Replace strain bus & wavetrap jumpers at Catoosa.	6/1/2006	4/1/2007	\$ 2,000,000
AEPW	CHAMBER SPRINGS - FARMINGTON AECC 161KV	Reconductor 10.24 miles with 2156 ACSR, replace Chamber Springs wavetrap, & replace Farmington AECC bus.	6/1/2007	6/1/2008	\$ 7,500,000
OKGE	CIMARRON - NORTHWEST 345KV	Replace trap at Cimarron Substation	12/1/2005	12/1/2005	\$ 70,000
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV	Rebuild 15.50 mile Circleville-Hoyt HTI Junction 115 kV line.	10/1/2005	3/1/2007	\$ 4,300,000
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV	Rebuild 15.15 mile line with 1192.5 kcmil ACSR.	10/1/2005	10/1/2006	\$ 3,200,000
AEPW,OKGE	CLARKSVILLE - MUSKOGEE 345KV	Reconductor 2.54 miles with 2-795 ACSR & reset Clarksville CT	6/1/2013	6/1/2013	\$ 3,010,000
OKGE	CLASSEN - SW 5TAP 138KV	Replace 800A trap at Classen	6/1/2006	5/16/2007	\$ 50,000
AEPW	CLAYTON 138KV	Install 3.6 MVAR capacitor bank	6/1/2015	6/1/2015	\$ 300,000
AEPW	CLINTON - FOSS TAP 69KV	Replace Clinton Jct switch	6/1/2011	6/1/2011	\$ 50,000
AEPW	CLINTON CITY - FOSS TAP 69KV	Replace Clinton City switches & wavetrap	4/1/2006	11/14/2006	\$ 150,000
OKGE	COLONY - FT SMITH 161KV	Reconductor 2.2 miles and change terminal equipment at Ft. Smith & Colony to 2000A.	6/1/2014	6/1/2014	\$ 1,500,000
OKGE	CONTINENTAL BLACKS - OSAGE 69KV	Reconductor 0.57 Miles, replace Wavetrap and increase CT ratio.	6/1/2015	6/1/2015	\$ 255,000
SPS	CONWAY - KIRBY 115KV	Reconductor Conway-Kirby 115 kV circuit w/795ACSR	4/1/2006	1/1/2007	\$ 5,446,333
SPS	CONWAY - YARNELL3 115KV	Reconductor Conway-Yarnell Tap 115 kV circuit w/795ACSR	4/1/2006	1/1/2007	\$ 2,811,848
OKGE,WERE	CRESWELL - NEWKIRK 138KV	Multiple Upgrades, WR Replace wavetrap, breaker and CT at Creswell substation. New limit is OGE 477 ACSR conductor rated at 222MVA.	6/1/2006	6/1/2006	\$ 120,000
WERE	CRESWELL - OAK 69KV	Rebuild substations.	6/1/2006	6/1/2006	\$ 143,000
WERE	CRESWELL - PARIS 69KV	Rebuild substations.	6/1/2006	6/1/2006	\$ 143,000
WERE	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV	Rebuild 9.43 mile Creswell-SC4 Rome as a 138 kV line but operate at 69 kV.	6/1/2006	3/1/2007	\$ 2,750,000
WFEC	CYRIL - MEDICINE PARK JCT 69KV	Reconductor 12.9 miles from 336 to 795 ACSR	6/1/2011	6/1/2011	\$ 3,300,000
ENTR,AEPW	DANVILLE (APL) - MAGAZINE REC 161KV	Reconductor 17.96 miles of 250 Copperweld with 795 ACSR.	6/1/2014	6/1/2014	\$ 9,000,000
AEPW	DEEN POINT - RED POINT 138KV	Replace wavetrap at Red Point	6/1/2015	6/1/2015	\$ 65,000
AEPW	DIANA - PERDUE 138KV	Replace Breaker 10080, jumpers on breaker 9310 & five switches at Perdue. Replace switch 12798 at Diana	6/1/2011	6/1/2011	\$ 450,000
SPS	DOSS3 115KV	Install 1 - 14.4 MVar capacitor bank on the 115 kV bus at Doss	12/1/2005	12/1/2006	\$ 750,000
AEPW	EAST CENTRAL HENRYETTA - OKMULGEE 138KV	Replace Okmulgee Wavetrap	12/1/2005	12/1/2006	\$ 108,000
AEPW	EAST CENTRAL HENRYETTA - WELEETKA 138KV	Replace Weleetka Wavetrap	12/1/2005	12/1/2006	\$ 84,000
WERE	EAST MANHATTAN 230/115/18.0KV TRANSFORMER	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.	6/1/2015	6/1/2015	\$ 1,000,000
AEPW	EASTON REC - KNOX LEE 138KV	Reset CT at Knox Lee	6/1/2015	6/1/2015	\$ 10,000
WFEC	EL RENO - EL RENO SW 69KV	Reconductor 1/0 to 336 ACSR - 6.5 miles	4/1/2006	4/1/2007	\$ 1,500,000
WFEC	ELDORADO - ELDORADO JCT 69KV	Reconductor 1/0 to 336 ACSR - 11.5 miles	10/1/2005	4/1/2007	\$ 2,600,000
WFEC,AEPW	ELDORADO - LAKE PAULINE 69KV	Reset CTs at Lake Pauline	10/1/2005	3/16/2007	\$ 10,000
SPS,AEPW	ELK CITY - GRAPEVINE INTERCHANGE 230KV	AEPW: Replace Wave Traps at Elk City SPS:Replace two Wave Traps, 800 amps to 1200 amps.	4/1/2006	12/1/2006	\$ 185,000



**Table 3 - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study**

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	ELK CITY 230/138/13.8KV TRANSFORMER	Replace switches 1302, 1303, 1306, & 1307. Changeout breaker 1305A. Reset CTs. Replace breaker jumpers.	12/1/2005	4/1/2007	\$ 300,000
AEPW	ELK CITY CAPACITOR	Install 9.6 MVAR cap bank at 138kV Bus	6/1/2006	1/1/2007	\$ 400,000
WERE	EXIDE JUNCTION - SUMMIT 115KV	Multiple Upgrades, Rebuild and reconductor 4.94 miles with 1192 ACSR and rebuild substation.	10/1/2005	5/1/2006	\$ 1,300,000
WERE	FARMER'S CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING S	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line.	6/1/2010	6/1/2010	\$ 400,000
MIPU	FERRELVUE CAPACITOR	40MVAR at Ferrelview	6/1/2015	6/1/2015	\$ 500,000
AEPW,OKGE	FIXICO TAP - MAUD 138KV	AEPW: Reconductor 11.83 miles of 3/0 shielded Copperweld with 795 ACSR. OKGE: Upgrade the CT ratio to 800A	6/1/2006	6/1/2008	\$ 5,520,000
WFEC	FLETCHER - MARLOW JCT 69KV	Reconductor 7.2 miles from 336 to 795 ACSR	6/1/2011	6/1/2011	\$ 1,000,000
WFEC	FLETCHER - MEDICINE PARK JCT 69KV	Reconductor 4 miles from 336 to 795 ACSR	6/1/2011	6/1/2011	\$ 1,800,000
AEPW	FLINT CREEK - GENTRY REC 161KV	Reconductor 1.09 miles of 2-397.5 ACSR with 2156 ACSR. Replace Flint Creek wavetrap & jumpers	6/1/2010	6/1/2010	\$ 450,000
AEPW	FLOURNOY - OAK PAN-HARR REC 138KV	Reconductor 10.42 miles 666 ACSR to 1272 ACSR.	6/1/2011	6/1/2011	\$ 5,200,000
AEPW	FORT COBB - SOUTHWEST STATION 138KV	Reconductor 14.37 miles of 397 ACSR with 1272 ACSR.	6/1/2010	6/1/2010	\$ 7,500,000
WFEC	FT SUPPLY 138/69KV TRANSFORMER	Install 2nd 70 MVA auto at Ft Supply	6/1/2006	6/1/2007	\$ 1,500,000
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV	Replace substation bus and jumpers at MacArthur 69 kV.	6/1/2010	6/1/2010	\$ 22,000
WERE	GILL ENERGY CENTER EAST - OATVILLE 69KV	Rebuild 3.69 mile Gill-Gill Junction-Oatville 69 kV line	6/1/2010	6/1/2010	\$ 1,000,000
WERE	GILL ENERGY CENTER WEST - PECK 69KV	Rebuild 10.46 mile Gill-Peck line 138 kV line, but operated at 69 kV	6/1/2010	6/1/2010	\$ 3,000,000
OKGE	GLASSES - RUSSETT 138KV	There is the possibility that the CTR could be increased at Russett. Relays will have to be verified.	6/1/2014	6/1/2014	\$ 10,000
WERE	GOODYEAR JUNCTION - NORTHLAND 115KV	Rebuild 3.44 mile Goodyear-Northland 115 kV line and replace wave traps.	6/1/2010	6/1/2010	\$ 1,000,000
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV	Wave Trap	6/1/2007	6/1/2007	\$ 50,000
WEPL	GREENSBURG - JUDSON LARGE 115KV	Replace relaying	4/1/2006	4/1/2006	\$ 153,114
WEPL	HAGGARD - WEST DODGE 115KV	Upgrade Conductor to 397.5 26/7 ACSR	4/1/2006	4/1/2008	\$ 3,885,500
WFEC	HAMON BUTLER - MOREWOOD 69KV	Reconductor 1/0 to 336 ACSR - 15.0 miles	12/1/2005	4/1/2007	\$ 3,400,000
WEPL	HARPER - MEDICINE LODGE 138KV	Upgrade to 397 26/7 ACSR Conductor	6/1/2006	4/1/2008	\$ 6,080,000
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kV	6/1/2006	10/1/2006	\$ 1,143,587
SPS	HART INTG - KRESS INT 115KV	New 230/115 kV Hart Intg with 115 kV 397 ACSR ckt to Kress Int. 3-brkr 230 kV ring, 150 MVA auto, 115 kV terminal	4/1/2006	3/15/2008	\$ 9,053,875
KACP	HAWTHORN - NASHUA 345KV	Reconductor or refurbish line for 2000 amp capability	6/1/2008	6/1/2008	\$ 9,000,000
WERE	HEC-HEC GT-CIRCLE 115KV	Rebuild and convert HEC-HEC GT-Circle loop to 115 kV.	6/1/2007	6/1/2007	\$ 1,000,000
WFEC,AEPW	HUGO POWER PLANT - VALLIANT 138KV	New 345/138 kv Auto, and 19 miles 345 KV	6/1/2008	6/1/2008	\$ 16,000,000
AEPW	HUGO TAP - VALLIANT 138KV	Reconductor 0.1 miles of 795 ACSR SD with 1272 ACSR	6/1/2015	6/1/2015	\$ 150,000
EMDE,AECI	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV	Construct new 161 kV line from Bolivar Burns #73 59464 to a new 161 kV bus at FairGrove #397 (FRG397 5 Bus #59596) and Install 75 MVA Auto Xfmr similar to Chesapeake Auto at FairGrove #397 from Bus 59463 to Bus 59596	6/1/2015	6/1/2015	\$ 15,350,000
WERE	JARBALO - NW LEAVENWORTH 115KV	Tear down/rebuild Jarbalo-NW Leavenworth 115 kV line with double circuit tap to Stranger Creek	6/1/2015	6/1/2015	\$ 2,200,000
WERE	JEC - SWISSVALE 345KV	Construct JEC-Swissvale 345 kV line.	6/1/2015	6/1/2015	\$ 32,000,000
AEPW	JERICO 115/69/14.4KV TRANSFORMER	Replace Autotransformer or SPS Export Limitation Project	4/1/2006	4/1/2007	\$ 1,500,000
WERE	KELLY - KING HILL N.M. COOP 115KV	Reconductor 9.61 mile line with 1192.5 kcmil ACSR.	10/1/2005	10/1/2006	\$ 2,400,000
WERE	KELLY - SOUTH SENECA 115KV	Rebuild 10.28 mile line with 1192.5 kcmil ACSR and replace CTs.	4/1/2006	3/1/2007	\$ 2,900,000



**Table 3** - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
SPS	KIRBY - MCLELLN3 115KV	Reconductor 115 kV circuit between Kirby and Shamrock 115 kV construction using 397 ACSR.	6/1/2010	6/1/2010	\$ 142,733
OKGE	KNOBHILL 138/69/13.2KV TRANSFORMER	Replace bus tie with 100MVA transformer	6/1/2011	6/1/2011	\$ 1,500,000
KACP	LACYGNE - PAOLA 345KV	reconductor line using 954 ACSS conductor	6/1/2010	6/1/2010	\$ 8,000,000
WERE	LAWRENCE HILL - WREN 115KV	Rebuild 3.43 mile Lawrence Hill-Wren 115 kV line.	6/1/2010	6/1/2010	\$ 1,000,000
SPS	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER	Add 2nd 150 MVA transformer at Lea Co Intg.	12/1/2005	1/1/2007	\$ 3,000,010
AEPW	LONE STAR SOUTH - PITTSBURG 138KV	Replace wavetraps at both ends. Reset CTs at Lone Star South. Replace switches & reset relays at Pittsburg	6/1/2010	6/1/2010	\$ 225,000
AEPW	LONGWOOD - OAK PAN-HARR REC 138KV	Reconductor 1.8 miles of 666 ACSR with 1272 ACSR	6/1/2007	6/1/2007	\$ 800,000
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV	Upgrade to bundled 795 26/7 ACSR conductor	6/1/2006	10/1/2007	\$ 4,244,500
SPS	MCLEAN RURAL - MCLELLN3 115KV	Reconductor 115 kV circuit between Kirby and Shamrock 115 kV construction using 397 ACSR.	6/1/2010	6/1/2010	\$ 4,405,826
SPS,AEPW	MCLEAN RURAL - SHAMROCK 115KV	AEPW: Rebuild 14.24 miles of 4/0 ACSR with 477 ACSR SPS: Rebuild 115 kV circuit between Kirby and Shamrock 115 kV construction using 397 ACSR.	6/1/2010	6/1/2010	\$ 8,053,344
SPS	MCLEAN RURAL 115KV	Install 2 - 14.4 MVar capacitor banks on the 115 kV bus at McLean	4/1/2006	12/1/2006	\$ 750,000
WEPL	MEDICINE LODGE - SUN CITY 115KV	Upgrade CT's and Wave Trap Limits	12/1/2006	12/1/2006	\$ 100,000
WEPL	MEDICINE LODGE 138/115KV TRANSFORMER	Upgrade to 100MVA transformer	6/1/2008	6/1/2008	\$ 3,200,000
WERE	MIDIAN - WILLIAMS BROTHERS PIPELINE 161KV	Replace CTs	12/1/2010	12/1/2010	\$ 50,000
WERE	MIDIAN 138/69/13.2KV TRANSFORMER	Replace Midian 138-69 kV transformer.	6/1/2006	11/1/2006	\$ 1,500,000
OKGE	MILLER - WHITE EAGLE 138KV	Replace line relay at White Eagle & Cont. Empire	6/1/2014	6/1/2014	\$ 210,000
SUNC	MINGO AND RHOADES DVAR	Expedite Install DVAR at Mingo and Rhoades; Rhoades DVAR planned in-service date 07SP, Mingo DVAR planned in-service date 08WP	12/1/2005	10/1/2006	\$ 3,530,000
SPS	MOORE COUNTY INTERCHANGE E 230/115KV TRANSFORMER	Add 2nd 230 kV circuit and 2nd 230/115 kV transformer at Moore. 230 kV construction using 795 ACSR.	4/1/2006	4/1/2008	\$ 13,474,442
SPS	MUSTANG STATION 230/115KV TRANSFORMER	Upgrade existing transformer 230/115 kV 252 MVA	4/1/2006	1/1/2007	\$ 2,500,000
SPS	MUSTANG-SAN ANDR-AMERADA HESS 115KV	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 kV circuit. Mustang-San Andr-Amerada Hess 115 kV ckt	4/1/2006	4/1/2007	\$ 742,892
MIPU	NASHUA CAPACITOR	40MVAR at Nashua	6/1/2015	6/1/2015	\$ 500,000
SPS	NICHOLS STATION - YARNELL3 115KV	Reconductor Nichols-Yarnell Tap 115 kV circuit w/795ACSR	4/1/2006	6/1/2006	\$ 2,098,071
SPS	NICHOLS STATION 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kV 252 MVA	6/1/2010	6/1/2010	\$ 2,550,000
SPS	NICHOLS STATION 230/115KV TRANSFORMER CKT 2	Upgrade Transformer 230/115 kV 252 MVA	6/1/2010	6/1/2010	\$ 2,550,000
AEPW	NORGE ROAD - SOUTHWEST STATION 138KV	Replace switches at Norge Road	6/1/2015	6/1/2015	\$ 100,000
WERE	NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON	Multiple Upgrades, Rebuild 0.88 miles and reconductor with 1192.5 ACSR.	10/1/2005	4/1/2006	\$ 417,200
WERE	NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON	Tear down double circuit, build single circuit with 1192.5 ACSR. Additional costs may be incurred due to required redispach of units during construction.	10/1/2005	5/1/2007	\$ 7,800,000
WERE	NORTHVIEW - SUMMIT 115KV	Uprate line to 100C and replace wave trap	6/1/2006	6/1/2006	\$ 610,000
AEPW	NORTHWEST HENDERSON - OAK HILL #1 138KV	Replace wavetraps and reset CTs at NW Henderson.	6/1/2007	6/1/2007	\$ 75,000
MIPU	ODESSA CAPACITOR	40MVAR Capacitor at Odessa 161kV	6/1/2010	6/1/2010	\$ 500,000
AEPW	ORU WEST TAP - RIVERSIDE STATION 138KV	Replace wavetraps jumpers at Riverside	6/1/2010	6/1/2010	\$ 10,000
EMDE	OZARKS - SUB 434 - OZARK SOUTHEAST 69KV	Rebuild 69 kV line from 59609 to 59442 with 795 ACSR	6/1/2007	6/1/2008	\$ 320,000

**Table 3** - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
EMDE	OZARKS 161/69/12.5KV TRANSFORMER	Replace 75 MVA auto-xfmr at Ozark SE with 100 MVA auto-xfmr	6/1/2010	6/1/2010	\$ 1,000,000
KACP	PAOLA 345/161/13.8 KV TRANSFORMER	add reactor to limit transformer loading	6/1/2010	6/1/2010	\$ 400,000
WEPL	PHILLIPSBURG - SMITH CENTER 115KV	Upgrade line to 397 26/7 ACSR	6/1/2007	4/1/2008	\$ 5,510,000
WEPL	PLAINVILLE CAPACITOR	40MVAR at Plainville 115kV	4/1/2006	10/1/2006	\$ 1,164,639
SPS	POTTER - ROOSEVELT 345KV	New 345 kV circuit & 345/230 kV 560 MVA transformer Add Potter - Roosevelt 2-795 ACSR	12/1/2005	10/1/2008	\$ 45,104,390
WEPL	PRATT CITY CAPACITOR	20MVAR at Pratt City 115kV	6/1/2006	10/1/2006	\$ 1,129,660
MIPU	RALPH GREEN 69KV	12MVAR at Ralph Green	6/1/2007	6/1/2007	\$ 350,000
AEPW,OKGE	REDBUD - RIVERSIDE STATION 345KV	Replace Riverside wavetrap	12/1/2007	12/1/2007	\$ 125,000
KACP	REDEL - STILWELL 161KV	Reconductor line with 1192 ACSS and upgrade terminal equipment for 2000 amps	6/1/2015	6/1/2015	\$ 1,500,000
WERE	RICHLAND - ROSE HILL JUNCTION 69KV	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	6/1/2010	6/1/2010	\$ 1,500,000
WERE	ROSE HILL 345/138/13.8KV TRANSFORMER	Add third 345-138 kV transformer at Rose Hill	6/1/2006	11/1/2006	\$ 3,000,000
WERE	ROSE HILL JUNCTION - WEAVER 69KV	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	6/1/2010	6/1/2010	\$ 1,600,000
OKGE,WFEC	RUSSETT - RUSSETT 138KV	WFEC:Upgrade Terminal Equip CTs at Russett OKGE:Replace trap and increase CTR. Pending verification of relays.	12/1/2009	12/1/2009	\$ 120,000
AEPW	SHAMROCK - SAYRE 138KV	Build new 35 mile 138 kV line from Shamrock to Sayre	4/1/2006	10/1/2007	\$ 22,000,000
AEPW	SHAMROCK 115/69/14.4KV TRANSFORMER	Replace Autotransformer	4/1/2006	6/1/2007	\$ 1,500,000
SPS	SNANDR3 115KV	Install 1 - 14.4 MVar capacitor bank on the 115 kV bus at San Andress	10/1/2005	12/1/2006	\$ 750,000
AEPW	SNYDER - ALTUS JCT 138KV	Build new Snyder (54098) to Altus Jct (54103) 138 kV line	6/1/2006	4/1/2008	\$ 15,000,000
AEPW	SOUTH SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV	Reset Relays at South Shreveport	6/1/2011	6/1/2011	\$ 15,000
KACP	SOUTHTOWN - WINCHESTER JUNCTION SOUTH 161KV	Replace Southtown wavetrap	6/1/2010	6/1/2010	\$ 20,000
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line	6/1/2010	6/1/2010	\$ 1,200,000
WEPL	SPEARVILLE 345/230/13.8KV TRANSFORMER	Second Spearville Transformer	12/1/2010	12/1/2010	\$ 4,500,000
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2015	6/1/2015	\$ 5,400,000
EMDE	SUB 209 - HERMITAGE 69KV	Install 2 - stages 6 MVAR each for a total of 12 MVAR capacitor bank at Hermitage 59425	6/1/2015	6/1/2015	\$ 1,040,000
EMDE	SUB 217 - FAIRPLAY EAST - SUB 368 - DADEVILLE EAST 69KV	Reconductor portion of line from Fairplay 59545 to Dadeville 59585 with 336 ACSR	6/1/2010	6/1/2010	\$ 1,040,000
EMDE	SUB 330 - OZARK NORTHWEST - SUB 415 - BLACKHAWK JCT. 69KV	Reconductor 69 kV portion of line from 59570 to 59604 with 336 ACSR	6/1/2010	6/1/2010	\$ 480,000
EMDE	SUB 330 - OZARK NORTHWEST - SUB 434 - OZARK SOUTHEAST 69KV	Reconductor 69 kV line from 59570 to 59609 with 556 ACSR	6/1/2007	6/1/2008	\$ 400,000
OKGE	SUNNYSIDE 345/138/13.8KV TRANSFORMER	Next course of action would be to replace the existing 3 single phase 330Mva transformer at Sunnyside with a new one 3 phase transformer Rated at 493Mva.	6/1/2013	6/1/2013	\$ 3,500,000
AEPW	SW SHREVEPORT - PORT ROBSON 345KV	Build SW Shreveport - Port Robson 345 kV line and install 345/138 kV auto at Port Robson.	6/1/2011	6/1/2011	\$ 40,000,000
WERE	SWISSVALE 345/230/14.4KV TRANSFORMER	Replace the 400/440 MVA transformer at Swissvale with a 560/616 MVA transformer.	12/1/2010	12/1/2010	\$ 5,250,000
WERE	TECUMSEH HILL - WILLIAMS BROTHERS PIPELINE 161KV	Replace CTs	12/1/2010	12/1/2010	\$ 50,000
OKGE	TURKEY CREEK 69KV	Possibility of adding more caps	6/1/2015	6/1/2015	\$ 100,000
AEPW	WELSH REC - WILKES 138KV	Replace line switches and switch 1L76 at Wilkes	6/1/2010	6/1/2010	\$ 250,000

**Table 3** - Upgrade Requirements and Solutions Needed to provide Transmission Service for the Aggregate Study

Owner	Facility Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost	
KACP	WEST GARDNER 345/161/13.8KV TRANSFORMER	replace existing transformer with larger one	6/1/2006	4/1/2007	\$ 3,000,000	
WERE	WEST MCPHERSON - WHEATLAND 115KV	Rebuild 7.88 mile West McPherson-Wheatland 115 kV line.	6/1/2010	6/1/2010	\$ 2,200,000	
AEPW	WHITNEY 138/69/12.5KV TRANSFORMER	Move load from 69 kV to 138 kV	6/1/2007	6/1/2007	\$ 1,750,000	
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER	Upgrade Transformer 230/115 kV 252 MVA	6/1/2010	6/1/2010	\$ 2,500,000	
*Outage facility not listed due to possible multiple contingencies					<b>Total</b>	<b>\$ 496,173,197</b>

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

Owner	Upgrade Name	Solution	Earliest Date Upgrade Required (COD)	Estimated Date Upgrade Completed (EOC)
SPS	7RIVERS-PECOS-POTASH JUNCTION 230 KV	7Rivers-Pecos-Potash Junction 230 kV circuit. New 230 kV construction w/795ACSR	6/1/2006	4/1/2008
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Arkansas Project phase II scheduled to be in-service 6/2007	10/1/2005	6/1/2007
MIPU	ANACONDA - FREEMAN 69KV	Reconductor Line	12/1/2005	4/1/2007
MIPU	ANACONDA - HARRISONVILLE WEST 69KV	Reconductor Line	12/1/2005	4/1/2007
MIPU	EAST - WOODBINE 161KV	Structure replacement - Higher line rating	6/1/2008	6/1/2008
WEPL	GREENSBURG 115KV	Planned 8MVAR at Judson Large 34.5kV	6/1/2006	6/1/2006
AEPW	KNOX LEE - OAK HILL #2 138KV	SPP Expansion Plan Project to Replace relay, wave trap and switch at Knoxlee and switch at Oak Hill #2	6/1/2006	6/1/2007
OKGE	PENNSYLVANIA - WESTMOORE 138KV	OGEE has a current project to increase the rating of this line segment.	12/1/2007	9/1/2005
AEPW	RIVERSIDE STATION - TULSA POWER STATION 138KV	AEP Tulsa Project	6/1/2015	6/1/2007
MIPU	ST JOE - WOODBINE 161KV	Structure replacement - Higher line rating	6/1/2006	10/1/2006
SPS	TUCO INTERCHANGE 230KV	SPS Proposed Plan to Add +150/-50 SVC on 230 kV bus at TUCO, 2 50 MVAR Shunt Capacitors on 230 kV bus at TUCO, and 50 MVAR Shunt Capacitors on 230 kV bus at Swisher, 50 MVAR Shunt Capacitors on 230 kV bus at Lubbock South, and 50 MVAR Shunt Capacitors 230 kV bus at Carlisle	6/1/2007	6/1/2007