

**ANNUAL MEETING**

**Monday, October 26, 2009**

**1:00 - 5:00 p.m.**

**Doubletree Hotel Warren Place, Tulsa, OK**

- 1. CALL TO ORDER**
- 2. PRELIMINARY MATTERS**
  - a. Declaration of a Quorum
  - b. Adoption of July 27, 2009 Minutes
- 3. UPDATES**
  - a. RSC Financial Report
  - b. Other RSC Officer Reports
- 4. ANNUAL MEETING BUSINESS**
  - a. Election of Officers (action item)
  - b. Approval of 2010 & 2011 Budgets (action item)
  - c. Annual Audit Review and Discussion (action item)
- 5. BUSINESS MEETING**
  - a. OMPA Waiver (informational item (see background material)) .....Dr. Mike Proctor
  - b. Cost Allocation – Priority Projects and the ITP (action item) .....Dr. Mike Proctor
  - c. Priority Projects and Integrated Transmission Plan (ITP) Overview  
(possible action item)..... Bruce Rew
- 6. SCHEDULING OF NEXT REGULAR MEETING, SPECIAL MEETINGS OR EVENTS**
- 7. ADJOURNMENT**

\*The Project Tracking Report will be included in the background material.

**Southwest Power Pool  
REGIONAL STATE COMMITTEE  
Airport Marriott, Kansas City, MO  
July 27, 2009**

**• M I N U T E S •**

**Administrative Items:**

The following members were in attendance, via teleconference, or represented by proxy:

David King New Mexico Public Regulation Commission (NMPRC)  
Mike Moffet, Kansas Corporation Commission (KCC)  
Jeff Cloud, Oklahoma Corporation Commission (OCC)  
Jeff Davis, Missouri Public Service Commission (MoPSC)  
Mike Siedschlag, Nebraska Power Review Board (NPRB)  
Barry Smitherman, Public Utility Commission of Texas (PUCT)  
Paul Suskie, Arkansas Public Service Commission (APSC)

President David King called the meeting to order at 1:05 p.m. He asked for a round of introductions and a quorum was declared. There were 102 in attendance either in person or via phone (Attendance – Attachment 1). President King welcomed guest Commissioners Mark Graham (NPRB), Chairman Robert Clayton (MoPSC), Brandon Presley (Mississippi PSC) and Bill Booth representing Shelley Midura (New Orleans City Council).

President King asked for adoption of the April 27, 2009 meeting minutes (RSC Minutes 4/27/09 - Attachment 2). **Paul Suskie moved to approve the minutes and Mike Moffett seconded the motion. The minutes were unanimously approved.**

**Updates**

**RSC Financial Report**

Les Dillahunty provided the RSC Financial Report (Financial Report – Attachment 3). Mr. Dillahunty reported that the RSC remains under budget. This is mostly due to the fact that a cost/benefit study has not been conducted as budgeted.

**Other RSC Officer Reports**

There were no other officer reports.

**FERC Update**

Mr. John Rogers provided an update on FERC activities. Since the April board meeting, notable Commission actions include:

The Commission accepted SPP's Attachment O Transmission Planning Process filing in May and at the June Commission meeting, the Commission accepted SPP's cost allocation proposal for wind resources.

In addition, at the May Commission meeting, the Commission accepted multiple transmission planning process Attachment K filings. In conjunction with the orders, the Commission announced that it would be convening regional conferences on transmission planning later this year. These conferences will examine whether the existing transmission planning processing adequately consider transmission needs and solutions on a regional or interconnection-wide basis. The technical conferences will be held:

- September 3 in Phoenix for the western region;
- September 10 in Atlanta for the SEARUC and SPP entities and;

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- September 21 in Philadelphia for MISO, PJM, NYISO, NE-ISO and MAPP participants.

In June, the Commission, along with representatives from the Entergy region state regulators, held a technical conference in Charleston, SC in conjunction with the SEARUC meetings to review the ICT arrangement.

At the July Commission meeting, the Commission issued:

- Rehearing order in the Order No. 719 proceeding;
- Smart Grid Policy Statement (Docket No. PL09-4-000).

Lastly, the president has nominated Mr. John Norris to be a FERC Commissioner. Mr. Norris served as Chairman of the Iowa Utilities Board. He also served as a board member and President of the Organization of Midwest ISO States. He is awaiting Senate confirmation before assuming his role at the Commission.

#### SPP Update

Nick Brown provided an SPP update. Mr. Brown noted a large attendance mostly due to the upcoming initiatives being discussed in today's RSC agenda and tomorrow's Board agenda. He stated that in June SPP had 33 meetings scheduled on 19 out of 20 business days. There is a sense of urgency for future markets, renewable energy and the transmission superhighway. Mr. Brown encouraged best pace going forward and that a robust transmission network is paramount to our success. He called attention to a brochure developed by the SPP Communication Department to explain in simple terms the benefits of the "Transmission Superhighway". This brochure is available as an information tool to help educate the public. It is a concern that in many states the laws are antiquated. SPP is requesting that the regulatory staff identify laws that may be an impediment to the strategic needs of transmission planning.

#### **Business Meeting**

##### RSC 2008 Audit Report

Les Dillahunty stated that the RSC Bylaws require a yearly audit (2008 RSC Audit – Attachment 4). Patricia Salman & Associates provided this service as in the past. No outstanding issues were cited but the group was encouraged to report accurate mileage and to use the correct mileage reimbursement rates for travel reports. **Jeff Davis moved to accept the 2008 RSC Financial Audit as presented. Barry Smitherman seconded the motion, which passed unanimously.**

##### Synergistic Project Plan Report

###### Overview

Carl Monroe reported that the Synergistic Planning Project Team (SPPT) was formed in January 2009 to look for opportunities to improve transmission planning and cost allocation unencumbered by Tariff or other limitations. The Board of Directors approved the SPPT's report and recommended planning principles at the April meeting. The team will continue to discuss and review these principles in August and September with a final report presented to the Board of Directors in October 2009.

###### Integrated Transmission Plan (ITP)

Bruce Rew provided the Integrated Transmission Plan (ITP) report (ITP Report – Attachment 5). The major objective of the ITP is to design a transmission backbone to connect load centers to low-cost generation. Other objectives include: improving connections between SPP's east and west regions, make transmission an enabler rather than constraint and strengthen ties to the Eastern and Western Interconnections.

###### Priority Projects

Bruce Rew presented a list of potential priority projects as a part of the ITP as directed by the SPP Board of directors in April (Priority Projects – Attachment 6). Priority projects consist of those arising

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from: congestion corridors, transmission service requests, generation interconnection corridors, economic projects and those with west – east transfer capability. Ten projects were selected for further evaluation from the approximately 120 initial project candidate list. A consultant has been engaged to analyze these projects; the group will evaluate the list and recommend projects to be funded at the October Board of Directors meeting.

Following considerable discussion, the consensus of the group was that moving to or possibly recommending projects at 765 kv vs. 345 kv is a policy decision to be made following analysis, discussion and decision

#### Cost Allocation

Dr. Mike Proctor provided an outline of: Highway/Byway concepts; Highway/Byway cost allocation; Highway/Byway rate design; integrating cost allocation and rate design and the upcoming Cost Allocation Working Group (CAWG) schedule (Proctor Presentation – Attachment 7). In determining what upgrades should be included in the Highway/Byway rate design, it was determined that further discussion was required regarding wind resources. Finalize concepts are expected to be completed prior to the October RSC meeting.

The SPP Balanced Portfolio Report was provided for informational purposes (BP Report – Attachment 8).

Dr. Proctor presented the following waiver requests:

- Westar Waiver Request 1346837 – Meridian Way
- Westar Waiver Request 1346842 – Flat Ridge Wind
- City of Coffeyville, Kansas Request 1352193

**Mike Moffet moved to approve the waivers presented. Paul Suskie seconded the motion, which passed unanimously.**

#### Procedures to Site Interstate Transmission

Heather Starnes (SPP) provided information regarding procedures to site interstate transmission (White Paper – Attachment 8). States have primary authority for approving the siting of transmission facilities; however, currently the U.S. Senate is considering legislation that would extend FERC siting authority when a state fails to act or denies an application for transmission siting.

#### Communication and Next Steps

A plan is underway to provide an “ITP Road Show” for the state regulators (Communication – Attachment 9.) The intent is to provide education regarding SPP’s current transmission planning processes; the Synergistic Planning Project including the ITP, Priority Projects, cost allocation and cost/benefit analysis; and the role of the regulators.

#### Congestion Hedging Task Force Comments

Keith Sugg (AECC) provided a presentation from the Congestion Hedging Task Force (CHTF) explaining how the Task Force evaluated options for dealing with hedging transmission congestion costs in future markets (CHTF Presentation – Attachment 10). Mr. Sugg asked for feedback from the RSC as to whether the individual states were interested in scheduling presentations for each of the states in order to help inform a larger group about the recommendations or work of the CHTF and to answer any questions. There was agreement to proceed with these explanatory sessions.

#### Wind Integration Task Force Update

Bruce Rew provided a Wind Integration Task Force (WITF) update (WITF Report – Attachment 11). It is the goal of the group to make a report to the Markets and Operations Policy Committee at the January 2010 meeting.

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#### Discussion of 6/24/09 FERC Technical Conference – Entergy ICT

Paul Suskie provided a recap of the June 24 FERC Entergy Technical Conference in Charleston, SC. The issues discussed were:

- ICT base transmission plan vs the Entergy construction plan
- Entergy transmission planning
- Application of NERC TPL-001, footnote B
- ICT going forward
- FERC offer to fund a benefit study of Entergy joining SPP
- Retail regulators of Entergy forming an RSC like group

Commissioner Suskie stated that all FERC commissioners were present as well many state commissioners. Each retail jurisdiction was represented at the Conference. Many of the representatives stated that this meeting was a first to have this kind of representation focusing on a single issue. FERC displayed confidence in SPP, which he felt was a great testament to SPP and its Independent Coordinator of Transmission (ICT) role. He stated that Chairman Jon Wellinghoff said that FERC would be willing to pay for part of a study to determine benefits of Entergy's membership in the SPP RTO. Appreciation was expressed to Commissioner Suskie and FERC Chairman Wellinghoff for their part in arranging this conference.

#### Eastern Interconnection Planning Collaborative (EIPC) Comments

NARUC is working on a study of the Eastern Interconnection that will be initiated. Through the American Recovery and Reinvestment Act (ARRA) \$80 million is being made available to study the three interconnections. Planning authorities are looking for funds to conduct studies. Proposals for funding opportunities are to be submitted to the DOE by August 14, 2009.

#### States Comments on Order 719 Tariff Language

Commissioner Barry Smitherman provided a memo answering SPP's request for feedback regarding implementation of proposed tariff provisions in response to FERC Order 719 (PUCT Memo – Attachment 12). Texas proposes a "certification by means of declaration" approach. Other state responses were:

Arkansas: Has a docket requesting all parties to comment 30 days after FERC acts on the proposed tariff language.

Kansas: Plans to follow the Arkansas model of an open docket.

Missouri: Law is clear that Missouri has jurisdiction over aggregators but open to having a docket.

Oklahoma: Gary Clear spoke on behalf of Commissioner Cloud stating that Oklahoma does not currently have a docket. He also, spoke on behalf of OG&E. OG&E plans to provide comments for the Arkansas docket.

Nebraska: Major utilities and the Nebraska Power Review Board will take up the issue.

New Mexico: Waiting to see other states actions.

#### RSC Consulting Contract

Commissioner Suskie announced that Dr. Mike Proctor is planning to retire in the near future and that there is a request that consideration be given for Dr. Proctor to be placed under contract as an RSC consultant to work with the CAWG. **Commissioner Suskie moved that the Regional State Committee enter into a contract with Dr. Mike Proctor, effective upon his departure from the Missouri Public Service Commission, not to exceed 60 hours per month and \$100,000 per year (≈ \$138.00/hour). David King seconded the motion, which passed with Commissioner Davis abstaining.**

#### Scheduling of Next Regular Meeting, Special Meetings or Events:

President King noted that the next regularly scheduled meeting is on October 26, 2009 in Tulsa, OK.

With no further business, the meeting was adjourned at 5:10 p.m.

Respectfully Submitted,

Regional State Committee  
July 27, 2009

Les Dillahunty

**Regional State Committee**  
**For the Nine Months Ending September 30, 2009**  
**Budget vs. Actual**

	<u>YTD Actuals</u>	<u>YTD Budget</u>	<u>Variance</u>
<b>Income</b>			
Other Income	82,557	549,450	(466,893)
<b>Total Income</b>	<b>82,557</b>	<b>549,450</b>	<b>(466,893)</b>
<b>Expense</b>			
Travel	70,320	42,000	28,320
Meetings	3,983	15,600	(11,617)
Audit	3,683	1,100	2,583
Administrative Costs	4,570	750	3,820
Consultants/Technical Conferences	-	90,000	(90,000)
Cost Benefit Studies	-	400,000	(400,000)
<b>Total Expense</b>	<b>82,557</b>	<b>549,450</b>	<b>(466,893)</b>
<b>Net Income (Loss)</b>	<b>-</b>	<b>-</b>	<b>-</b>

**SOUTHWEST POWER POOL  
REGIONAL STATE COMMITTEE  
2010 BUDGET**

	2010 <u>YTD Budget</u>
<b>Income</b>	
Other Income	490,016
<b>Total Income</b>	<u><b>490,016</b></u>
<b>Expense</b>	
Travel	81,720
Meetings	25,000
Audit	3,100
Administrative Costs	1,000
RSC Consultant	104,196
Technical Services	25,000
Cost Benefit Studies	250,000
<b>Total Expense</b>	<u><b>490,016</b></u>
<b>Net Income (Loss)</b>	<u><u>-</u></u>





**SOUTHWEST POWER POOL  
REGIONAL STATE COMMITTEE  
2011 & 2012 ESTIMATED BUDGET**

	ESTIMATED FY BUDGET 2011	ESTIMATED FY BUDGET 2012
<b>Expense Category</b>		
<b>Travel &amp; Meetings</b>		
RSC Travel	\$85,800	\$90,090
RSC Meetings	\$26,300	\$27,615
<b>Total Travel &amp; Meetings</b>	<u>\$112,100</u> <i>5% Increase</i>	<u>\$117,705</u>
<b>Administrative</b>		
Annual Audit	\$3,300 <i>5% Increase</i>	\$3,465
Other Administrative	\$1,000	\$1,000
<b>Total Administrative</b>	<u>\$4,300</u>	<u>\$4,465</u>
<b>RSC Consultant</b>	<b>\$109,400</b> <i>5% Increase</i>	<b>\$104,196</b>
<b>Technical Conference</b>	<b>\$25,000</b>	<b>\$25,000</b>
<b>Special Studies</b>	<u><b>\$250,000</b></u>	<u><b>\$250,000</b></u>
 <b>TOTAL EXPENSES</b>	 <b>\$500,800</b>	 <b>\$501,366</b>

<i>DEPT</i>	<i>GEN ACCT</i>	<i>Expense Class</i>	<i>Description of Services</i>	<i>Jan-10</i>	<i>Feb-10</i>	<i>Mar-10</i>	<i>Apr-10</i>	<i>May-10</i>	<i>Jun-10</i>	<i>Jul-10</i>	<i>Aug-10</i>	<i>Sep-10</i>	<i>Oct-10</i>	<i>Nov-10</i>	<i>Dec-10</i>	<i>2010 BUDGET</i>
1000	68920	RSC Operating Expense	Travel	6,810	6,810	6,810	6,810	6,810	6,810	6,810	6,810	6,810	6,810	6,810	6,810	81,720
1000	68920	RSC Operating Expense	Meetings	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,087	25,000
1000	68920	RSC Operating Expense	Audit						3,100							3,100
1000	68920	RSC Operating Expense	Administrative Costs			250			250			250			250	1,000
1000	68920	RSC Operating Expense	RSC Consultant	8,683	8,683	8,683	8,683	8,683	8,683	8,683	8,683	8,683	8,683	8,683	8,683	104,196
1000	68920	RSC Operating Expense	Technical Conference						25,000							25,000
1000	68920	RSC Cost Benefit Study	Special Studies				125,000							125,000		250,000
TOTAL RSC BUDGET				17,576	17,576	17,826	142,576	17,576	45,926	17,576	17,576	17,826	17,576	142,576	17,830	490,016

**REGIONAL STATE COMMITTEE  
TOTAL EXPENSES FOR THE PERIOD  
JULY 2008 - JUNE 2009**

	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Total
Audit - Patricia Salman & Associates, PLLC		1,143										2,958	4,101
<b>Administrative Expenses</b>	0	1,143	0	0	0	0	0	0	0	0	0	2,958	4,101
Travel - Davidson, Joyce	856												856
Travel - Davis, Jeff	28			249						728			1,005
Travel - Greffe, Richard		324	323										648
Travel - Headrick, Bridget	549						260	30	77	543	31		1,490
Travel - Kansas Corp. Commission									8,318 *	3,507 **			11,825
Travel - King, David W.	991							1,259					2,250
Travel - Lieberman, Robert		425											425
Travel - Loudenslager, Samuel	1,805			2,262		476	1,743	1,044	221	3,176		1,908	12,634
Travel - Mckinnie, Adam	517	1,821	1,141	1,042		708	1,365		800	1,478		975	9,846
Travel - Mosier, Pat B.		246		783		212	636	166	230	190	33	193	2,688
Travel - Parsley, Julie	447												447
Travel - Proctor, Mike	1,638	1,509	857	1,072				885	169	520	1,308		7,957
Travel - Texas Public Utilities Commission	2,709			1,180		343	655	758	952	1,420	636		8,652
Travel - Smitherman, Barry				180			80	10	30	198			497
Travel - Starr-Garcia Stacy			940	520							1,148		2,609
Travel - Suskie, Paul							587	501	127	1,433	1,939		4,587
Travel - Vandewater, Bob				656					214				871
Travel - Wright, Christine			729										729
<b>Travel</b>	9,540	4,325	3,990	7,944	0	1,739	5,326	4,654	11,138	13,191	5,095	3,076	70,017
Meetings - Calendar Year 2008						24,237							
<b>Meetings</b>	0	0	0	0	0	24,237	0	0	0	0	0	0	0
Ventyx - RSC Cost/Benefit Study - Future Marke	56,365	408,255	74,228		326,199	(130,594)							734,454
<b>Cost/Benefit Study</b>	56,365	408,255	74,228	0	326,199	(130,594)	0	0	0	0	0	0	734,454
<b>Total Expenses</b>	65,905	413,723	78,218	7,944	326,199	(104,617)	5,326	4,654	11,138	13,191	5,095	6,034	832,809

\* Meeting expenses for the period 2008 - December 2008

\*\* Meeting expenses for the period January 2009 - March 2009



**SOUTHWEST POWER POOL  
REGIONAL STATE COMMITTEE  
2010 BUDGET CALCULATION  
(Excludes Meetings, Audit & Administrative Cost)**

<b>Expense Category</b>			
<b>RSC Travel</b>			
July 2008 - June 2009(partial) Expenses	\$70,017		
Months	<u>12</u>	=	\$5,834
Calculate Partital Month	\$70,017		
	<u>(18) 12</u>	=	\$324
Monthly	\$5,834		
NE x 2	<u>\$648</u>		
2009 Monthly Total	\$6,482		
Run Rate	<u>1.05</u>		
2010 Estimated Monthly Total	\$6,806		
Rounded Estimated Monthly Total	\$6,810		
Months	<u>12</u>		
<b>Annual Travel Budget</b>	<b>\$81,720</b>		
<b>Consultants / Technical Conferences</b>			
RSC Consultant (Monthly Expense)			
Consultant Fees	\$8,333		
Expenses	<u>\$350</u>		
Estimated Monthly Total	\$8,683		
Months	<u>12</u>		
Annual RSC Consultant Budget	\$104,196		
Annual Technical Conference Budget	\$25,000		
Annual Special Studies Budget	<u>\$250,000</u>		
<b>Annual Consultants/Conferences/Studies Budget</b>	<b>\$379,196</b>		



**Southwest Power Pool, Inc.**  
**MARKETS AND OPERATIONS POLICY COMMITTEE**

**Report to the Board of Directors**

**October 27, 2009**

**Attachment J Waiver Requests**

**Organizational Roster**

The following members represent the Southwest Power Pool:

Les Dillahunty, Sr. Vice President, Engineering & Regulatory Policy  
Pat Bourne, Director, Transmission Policy  
Heather Starnes, Manager, Regulatory Policy  
Bruce Rew, Vice President, Engineering  
John Mills, Manager, Tariff Studies

**Background**

Attachment J of the SPP Tariff Addresses recovery of costs associated with new transmission facilities. Subsection III of this section addresses Base Plan funding for network upgrades, including Safe Harbor Cost Limit of \$180,000/MW, and provides for waivers, whereby application may be made for additional Base Plan funding for a network upgrade in excess of the Safe Harbor Limit based on three independent factors.

SPP recently received the following waiver request:

On July 14, 2009, SPP received a request for waiver under Attachment J of the SPP Tariff for costs in excess of the Safe Harbor Cost Limit for Base Plan funding from Oklahoma Municipal Power Authority (OMPA) pertaining to OMPA 10 MW service to the City of Cordell, Oklahoma. OMPA is seeking a waiver for this cost above the Base Plan funding limit so that all of the allocated expenses associated with OMPA's request are eligible for Base Plan funding. SPP's 120 day deadline under Attachment J is Nov. 11, 2009.

**Analysis:**

OMPA requested a waiver based upon Section III.C.2. ii of Attachment J, commitment to a long term contract for the new designated resource. This waiver request was discussed in the August 16th meeting of the Cost Allocation Working Group (CAWG). Based on the discussion held in this meeting, the CAWG will recommend that the Markets and Operations Policy Committee (MOPC) approve the OMPA waiver for such amount to Base Plan fund the projects involved according to Section III.A of Attachment J.

**Withdrawal of Waiver**

Since the latest posting of the Aggregate study did not require a waiver OMPA withdrew the waiver request in an email dated October 5, 2009 from Dave Osburn.

**Recommendation**

Prior to the withdrawal of the waiver request the recommendation of SPP Staff was to approve the waiver for such amount to be Base Plan funded. Approve withdrawal.

**Action Requested:** Approve recommendation.

**Approved:** Markets and Operations Policy Committee      October 13, 2009

Passed Unopposed



**Southwest Power Pool, Inc.**  
**INTEGRATED TRANSMISSION PLAN**  
**Recommendation to the Board of Directors**  
**October 27, 2009**  
**Integrated Transmission Plan approval**

**Organizational Roster**

The following Working Groups participated in the group discussions and meetings. Their input was the foundation for the ITP document.

Transmission Working Group

Economic Studies Working Group

**Background**

The Integrated Transmission Plan (ITP) is SPP's new approach to planning what transmission is needed to maintain reliability and provide economic benefits to the SPP region in both the near- and long-term. Implementing the ITP will enable SPP and its stakeholders to better facilitate the development of a robust transmission grid that will give regional customers improved access to the SPP region's diverse resources. Development of the ITP was driven by the Synergistic Planning Project Team (SPPT) and the planning principles it developed, including the need to develop a transmission backbone large enough in both scale and geography to provide flexibility to meet SPP's future needs.

**Analysis**

The Transmission Working Group and the Economic Studies Working Group had multiple, joint, face to face meetings along with conference calls every other week to develop the ITP document. This effort combines existing planning processes of the Base Plan, Balanced Portfolio, and EHV Study into a single process. The SPPT report provided direction on certain key areas of the new process such as a 20 year time frame with a 40 year economic assessment. Key issues resolved during the development included the addition of an Authorization to Plan, Economic Analysis, triennial assessment and coordination with neighboring systems. The completed ITP process document is located on the SPP web site at [ITP Process Document](#).

The ITP changes the way planning has been done by bringing together the three aspects of planning and is new to SPP. This process will be a dynamic process that will require continuous evaluation and adjustment as needed during the implementation. This initial process is intended to set the direction for SPP but it is recognized that adjustment to this new process may be required as experience is gained during implementation.

On October 1, 2009, the Transmission Working Group and Economic Studies Working Group reached consensus on the proposed ITP process language.

On October 14, 2009, MOPC approved the recommended ITP process unanimously.

**Recommendation**

The SPP Staff recommends the approval of the Integrated Transmission Plan with Tariff language developed by January, 2010 and ITP process implementation after required approvals.

**Approved by:** Markets and Operations Policy Committee      October 14, 2009  
Passed Unopposed and no abstentions

**Action Requested:** Approve Recommendation



**Helping our members work together  
to keep the lights on...  
today & in the future**



SOUTHWEST POWER POOL 

## Integrated Transmission Planning Report

Regional State Committee &  
Board of Directors  
October , 2009

SPP.ORG

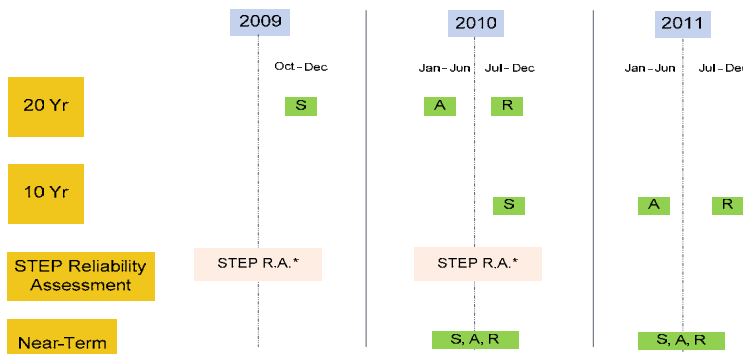
## ITP Update and next steps

- **ITP Process Approved at MOPC**
- **Scope development for 20-yr assessment**
- **Authorization to Plan (ATP) added to transmission approval with NTC**
- **Develop tariff language**
- **ESWG to finalize metrics**



S = Scenarios & Modeling  
 A = Analysis  
 R = Results

### ITP Schedule (Transition Cycle)



The STEP 10 YR Reliability Assessment and 4 yr Assessment may be performed in parallel with the ITP in 2010

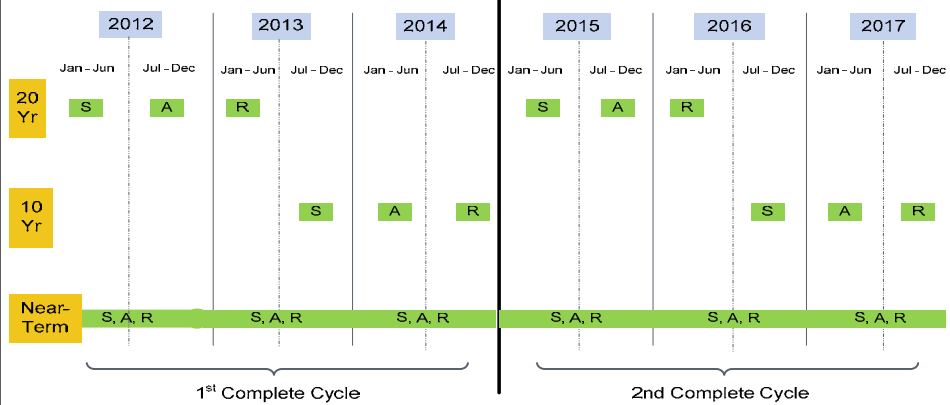


## ITP Schedule

- **3-yr iterative process**
  - **20-yr assessment**
    - Scope first half of 2012
    - Analysis second half of 2012
    - Results first half of 2013
  - **10-yr assessment**
    - Scope second half of 2013
    - Analysis first half of 2014
    - Results second half of 2014
  - **Near Team**

S = Scenarios  
A = Analysis  
R = Results

### ITP Schedule (Going Forward)



## ITP Recommendation to the BOD

- **The MOPC recommends the approval of the Integrated Transmission Plan with Tariff language developed by January, 2010 and ITP process implementation after required approvals.**
- **This recommendation was approved by the MOPC**



Bruce Rew  
Vice President, Engineering  
[brew@spp.org](mailto:brew@spp.org)

# CAWG REPORT ON HIGHWAY/BYWAY RATE DESIGN AND COST ALLOCATION

SPP RSC MEETING  
October 25, 2009

## Policy Overview

2

- CAWG has developed a Highway/Byway cost allocation - rate design (H/B CARD) proposal at its October 15 meeting with the following PROVISION:
  - The approved H/B CARD does not apply to existing transmission or transmission already approved under existing cost allocations.
  - The approved H/B CARD is recommended for meeting the future resource needs of loads within the SPP footprint.

## Highway/Byway Overview

3

### At the conceptual level:

- Highway includes 300 kV and above facilities
- Byway includes all other facilities, however a portion of byway costs are included in the region-wide postage stamp rate.

### At the cost allocation level:

Voltage	Regional	Zonal
Below 100 kV	0%	100%
100 - 300 kV	1/3	2/3
300 kV and Above	100%	0%

## Basic Cost Allocation Philosophy

4

### Makes minimal changes to existing cost allocations

- The H/B CARD keeps the 1/3 regional & 2/3 local aspects of **Base Plan Funding** with the following changes:
  - 300 kV and above are 100% Regional
  - Below 100 kV are 100% Zonal
  - No longer uses MW-mile allocations

Can also be seen as removing the MW-mile sub-regional allocation to zones by placing non-local costs into the highway.
- FERC approved Designated Wind Resource Allocations will apply to 100 kV up to 300 kV upgrades outside destination zone.
  - 1/3 Direct Assignment to Transmission Service Customer & 2/3 Regional
  - Above 300 kV is 100% Regional
  - Below 100 kV is 100% Zonal

## Rate Design Elements

5

### Regional - Postage Stamp Rate

### Zonal - License Plate Rate

### Transmission Service Customers pay rates

- Network Service : 12 CP is the billing determinant for the Postage Stamp and License Plate Rates
- PTP Service: MW of Transmission Service is the billing determinant
  - Postage Stamp rate applies to all PTP transactions, including exports from generation in SPP, including renewables.
  - License Plate rate also applies to destination zone or zone from which the export is taken

## Generation Interconnection

6

- **Keep existing GI cost allocation**
  - For Energy Resource Interconnection Service (ERIS) the generator pays, but is eligible for revenue credits for any required network upgrades.
  - Radial collector systems are directly assigned to generators via GI Cluster Studies.
- **Network Upgrades in ITP**
  - Upgrades required for delivery of energy to SPP footprint would be included in H/B CARD.
  - This will require further discussion in the ITP process, but should not hold up filing of H/B CARD.

## Proposal Not Unanimous

7

- **Cost Allocation:** Some would have allocated less than 100% of 345 kV as regional.
  - Issue here is what will load flow and MW-mile studies support as regional use for 345 kV.
  - SPP Staff will continue to work with CAWG on load flow and MW-mile studies to support recommended H/B cost allocations.
- **Rate Design:** Some would have included rates for generation as well as for load.
  - **Regional Rate:** Some were concerned that load within the SPP would be paying for upgrades required to integrate wind whose RECs would be sold to Load outside the SPP region.
  - **Zonal Rates:** While there was support for having both load and generation pay the zonal rate, it was not clear how this would work without including existing costs. The CAWG will consider how best to include existing costs in its upcoming meetings.

## Recommendation

8

- The CAWG recommends that the SPP RSC approve the H/B CARD as outlined above.
- If approved, the H/B CARD should be given to the RTWG for development of tariff language.



**Southwest Power Pool, Inc.  
PRIORITY PROJECT REPORT**

**Recommendation to the Regional State Committee and Board of Directors**

**October 26-27, 2009**

**Priority Project Report approval**

**Organizational Roster**

The following existing SPP Working Groups participated in the group discussions and meetings. Their input helped to shape the Priority Project Report.

Transmission Working Group  
Cost Allocation Working Group  
Economic Studies Working Group

**Background**

At the April 28, 2009 SPP Board of Directors (BOD) meeting, Southwest Power Pool, Inc. (SPP) staff was charged with restructuring its regional transmission expansion planning process to have its core consistent with the Synergistic Planning Project Team (SPPT) report. This restructuring effort is comprised of three major components. First, an Integrated Transmission Planning (ITP) process will be established to improve and integrate SPP's existing planning processes. The second major effort will identify, evaluate, and recommend Priority Projects to improve the transmission system based on specifics in the SPPT report. Finally, a new cost allocation methodology will be created by the Regional State Committee (RSC) and its Cost Allocation Working Group (CAWG).

In transitioning to the new ITP process, the SPPT recommended that SPP evaluate and recommend to the RSC a list of Priority Projects within six months for approval by the BOD. The Priority Projects are intended to capture near-term opportunities associated with the heightened focus on electric transmission expansion. The Priority Projects were to be evaluated based on three considerations from the SPPT as follows:

- Projects that are identified in the Cluster Studies for Grouped Generation Interconnection requests,
- Projects that routinely show up as needed in the Aggregate Study Process or projects that address known congestion,
- Projects needed to integrate SPP's west and east transmission systems.

**Analysis**

Using the SPPT report guidelines for consideration of Priority Projects the SPP developed a schedule to accomplish the study effort with a 6 month schedule. The Priority Projects Report 2<sup>nd</sup> Draft was completed and posted to the SPP website at [Priority Projects Report 2nd Draft](#).

Study Effort key dates and accomplishments:

- ✓ May 29, 2009 – Stakeholders were solicited via email to submit proposals for Priority Projects
- ✓ June 10, 2009 – SPP distributed the first draft of Priority Project Criteria and Metrics
- ✓ June 16, 2009 – SPP published the initial list of Priority Project candidates

- ✓ July 7, 2009 – SPP published the “screened” list of projects and the revised draft of Criteria
- ✓ July 14, 2009 – The screened list of projects was presented and discussed at a Market and Operations Policy Committee (MOPC) pre-meeting seminar
- ✓ August 4, 2009 – Economic Studies Working Group (ESWG) approved initial metrics as developed by the Benefits Analysis Techniques Taskforce (BATTF)
- ✓ August 14, 2009 – MOPC approved initial metrics as developed by the ESWG used to assess Priority Projects
- ✓ August 20, 2009 – Stakeholders were updated on Priority Projects at an ITP Stakeholder Meeting
- ✓ September 22, 2009 – TWG approved Reliability Assessment
- ✓ September 29, 2009 – SPP Priority Projects Workshop: Stakeholders and the BOD updated on initial results of the Priority Project analysis
- ✓ October 14, 2009 – MOPC updated on Priority Project analysis
- ✓ October 15, 2009 – Strategic Planning Committee (SPC) update on Priority Project analysis

The SPP transmission system’s Generation Interconnection and Aggregate Study queues include a large amount of renewable resources. It is not expected that all of the requested renewable generation resources will be constructed, but significant increase from existing levels are expected. Existing studies such as the SPP EHV Overlay Report conclude that at certain levels of wind there is a clear breakpoint at which 765 kV is needed and cost-justified compared to a 345 kV expansion. Based on prior studies and SPP staff’s experience with modeling high levels of wind, the SPP breakpoint is between 8,000 MW and 10,000 MW of installed nameplate capacity. The exact number varies, depending on which wind and transmission facilities are assumed to be in place.

SPP staff presented a recommendation to the MOPC to identify the transmission planning level of wind that should be considered. Staff recommended that a planning level of greater than 10,000 MW be considered. Priority Project recommendations were also included by Staff based on the level of wind that SPP is planning for.

The motion to plan for greater than 10,000 MW of wind generation was made and discussed at the meeting. The motion failed with 45% voting for the motion and 8 abstentions. The MOPC then discussed next steps in the Priority Project process and did not act on Staff recommended Priority Projects. After much discussion, the MOPC approved a motion as follows:

All priority project scenarios should be restudied at 7 GW and 14 GW penetration levels including any necessary transmission costs needed to deliver the wind power to SPP footprint load.

This motion was approved by the MOPC with KEPCo, LES and OPPD voting against and Dogwood, Lafayette, LEPA, Yazoo City and Clarksdale in abstention.

During the SPC meeting the status of the Priority Project effort was presented. Staff discussed modifications to its draft recommendations with the Strategic Planning Committee at their October 15 meeting. The MOPC recommendation is projected to be completed no earlier than April 2010. With the SPC concurrence, SPP Staff recommend consideration of 4 Priority Projects for detailed study for





January approvals. It is anticipated that by January the cost allocation for Priority Projects will also be finalized.

The analysis will include existing generation and already approved Balanced Portfolio and reliability transmission projects. This effort would complete the Priority Project analysis in January and allow the SPP organization to focus on the new Integrated Transmission Planning Process in 2010.

#### **Recommendation**

Staff recommends that the following Priority Projects be considered for construction following approval by the Board in January 2010 to continue the momentum of transmission construction in the SPP footprint:

- Valliant to NW Texarkana (345 kV) - \$131 million
- Cooper – Sibley (345 kV) - \$278 million
- Riverside – Tulsa Reactor (138 kV) - \$ 842,000
- Hitchland –Woodward District (345 kV double circuit) - \$237 million

Furthermore, these Priority Projects are to be studied by staff using existing generation (i.e., no future wind projections) and incorporate already approved Balanced Portfolio and reliability transmission projects. The results are to be presented to the MOPC, RSC and Board in January.

**Action Requested:**     Approve Recommendation



**Helping our members work together  
to keep the lights on...  
today & in the future**



SOUTHWEST POWER POOL 



## Priority Project Report

Regional State Committee &  
Board of Directors  
October , 2009

SPP.ORG

## Priority Project Update

- **First Draft report issued in September**
- **BOD Workshop on September 29 reviewed draft report**
- **Second Draft Priority Project completed early October**
- **October MOPC Review and Discussion**
  - **Voted down Planning for 10 GW+ of wind (45%)**
  - **Staff's recommended Priority Projects were not approved**
  - **Voted to have SPP restudy at 7 & 14 GW of wind with transmission needed to deliver to SPP load.**

## Staff's Recommended Priority Projects, assumed wind levels to be $\geq 10$ GW

- **The following projects for immediate construction:**
  - **Valliant – NW Texarkana (345 kV) - \$131 million**
  - **Cooper – Sibley (345 kV) - \$278 million**
  - **Riverside – Tulsa Reactor (138 kV) - \$842,000**
- **Approval of and additional review for the specific 345 or 765 kV recommendation following the supplemental assessment that will be hinged upon the WITF results:**
  - **Spearville – Comanche – Medicine Lodge – Wichita**
  - **Comanche – Woodward District EHV**
- **Evaluate Hitchland to Woodward District EHV and possibly other project with WITF results**
- **Total E&C is approximately \$ 1,330 million for 765kV for five projects**

## Staff's recommended Priority Projects, assumed wind levels < 10 GW

- **The following projects for immediate construction :**
  - Valliant – NW Texarkana (345 kV) - \$131 million
  - Cooper – Sibley (345 kV) - \$278 million
  - Riverside – Tulsa Reactor (138 kV) - \$842,000
  - Spearville – Comanche – Medicine Lodge – Wichita (345 kV double circuit) - \$356 million
  - Comanche – Woodward District EHV (345 kV double circuit) - \$108 million
  - Hitchland – Woodward District EHV (345 kV double circuit) - \$237 million
- **Total E&C is approximately \$1,111 million**

## SPC Priority Project Discussion

- **SPP Staff expects MOPC recommended study to be completed no earlier than April, 2010**
- **SPC desired the Priority Project momentum to continue ahead of the new Integrated Transmission Planning process**
- **SPC discussed earlier Priority Projects comments and concerns**
- **Study should only include existing and under construction wind and approved transmission projects**

## Comments received on Priority Projects

### For

- Meets SPPT goals
- Relieves existing SPP constraints
- Right projects to get started with needed transmission to improve queues
- Connects West to East transmission
- Provides economic opportunity for SPP region for all generation

### Against

- 765 kV should not be considered
- Model results are anomalous
- Tie projects to cost allocation
- Time frame (40 years)
- Assumes deliverability of wind assumptions
- Not enough time was provided for the analysis

## Priority Projects

### National/Interregional

10/8/09 FERC notice Request for Comments—Planning/Cost Allocation

Carbon tax / Cap and Trade

Demand Response, Energy Efficiency, Distributed Storage, etc.

Renewable Energy Credits (RECs)

Cost allocation “single largest impediment to any transmission development, especially across multiple RTOs or across RTO and non-RTO regions.” DOE’s Electric Advisory Committee

7th Circuit Decision: Illinois Commerce Commission v. FERC (08/09)

EIPC, JCSP, EWITS, CREZs, High Plains Express, Tres Amigas, others

Planning affecting different regions

Midwest Governors Assc. (MGA) — Oct. 2009 Policy Statement:

- 30% renewable energy by 2030, enacting/strengthening state RPSs to meet interim goal of 10% by 2015
- Urged stakeholders, including transmission owners, state regulators SPP, PJM to present to Midwest ISO task force by Dec. 2009 — MGA can see final decision by Jan. 2011

Midwest ISO (Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Montana, North Dakota, Ohio, South Dakota, Pennsylvania, Wisconsin)

### Regional

Markets

Congestion

Rights-of-way/siting

SPP has: 3100 MW of wind in service  
6000 MW of wind with signed IAs  
35000 MW of wind in the GI queue

Synergistic Planning Project Report—Apr. 2009

Current economic environment

State Renewable Energy requirements (4 of SPP’s 9 states have programs in place)

Economic Development

EHV, Base Plan Funding, Balanced Portfolio

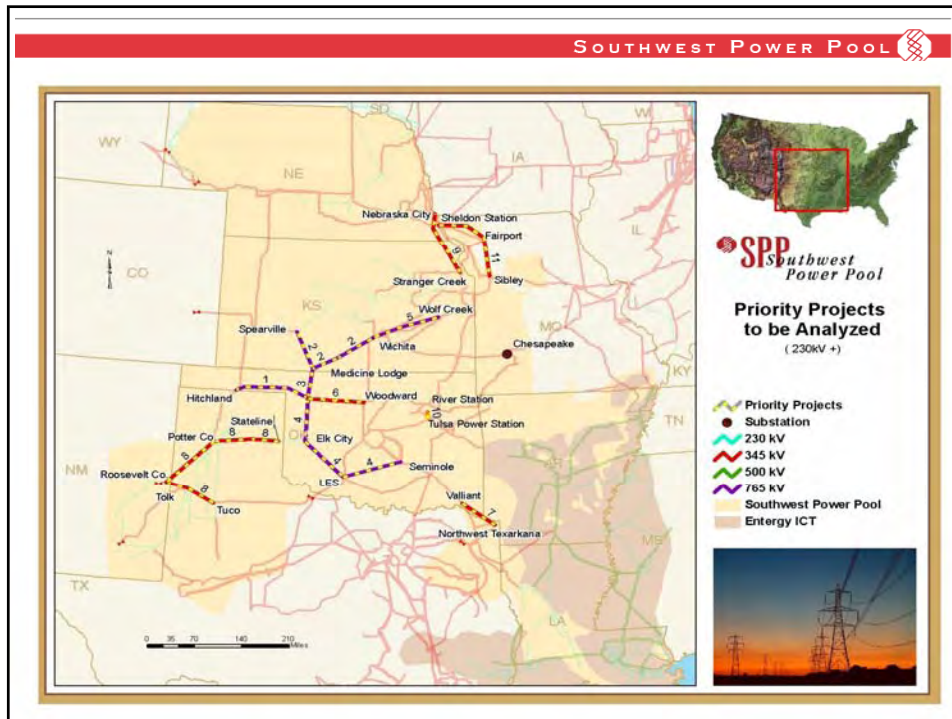
Merchant transmission

Beneficiaries’ determination; i.e. mw-mile

Anomalies in the September 2009 Priority Projects Report

## Staff's Updated Priority Project Recommendation (October 2010)

- The following projects be considered for immediate construction after the review in the January meeting cycle:
  - Valliant – NW Texarkana (345 kV) - \$131 million
  - Cooper – Sibley (345 kV) - \$278 million
  - Riverside – Tulsa Reactor (138 kV) - \$842,000
  - Hitchland – Woodward District EHV (345 kV double circuit) - \$237 million
  - *Total E&C is approximately \$647 million*
- Study models should include existing generation and approved BP and reliability transmission





Bruce Rew  
Vice President, Engineering  
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# Southwest Power Pool, Inc.

## 2009, 4<sup>TH</sup> QUARTERLY

### PROJECT TRACKING REPORT

**NOTE: Some cost adjustments were provided by members for some EHV transmission facilities in the Balanced Portfolio. SPP supports these adjustments as promoting a consistent EHV planning design, specifically to address conductor ratings. These adjustments have resulted in an increase in costs of some 9%.**





**Southwest Power Pool, Inc.**

**2009 4<sup>TH</sup> QUARTER PROJECT TRACKING REPORT**

**October 2009**

**PROJECT TRACKING, Current SPP Process:**

SPP actively monitors and supports the progress of transmission expansion projects, emphasizing the importance of maintaining accountability for areas such as grid regional reliability standards, firm transmission commitments and tariff cost recovery.

Each quarter, SPP staff solicits feedback from the project owners to determine the progress of each approved transmission project. This quarterly report charts the progress of all SPP Transmission Expansion Plan (STEP) projects approved either directly by the Board of Directors or through a FERC filed service agreement under the SPP Open Access Transmission Tariff (OATT).

**Results:**

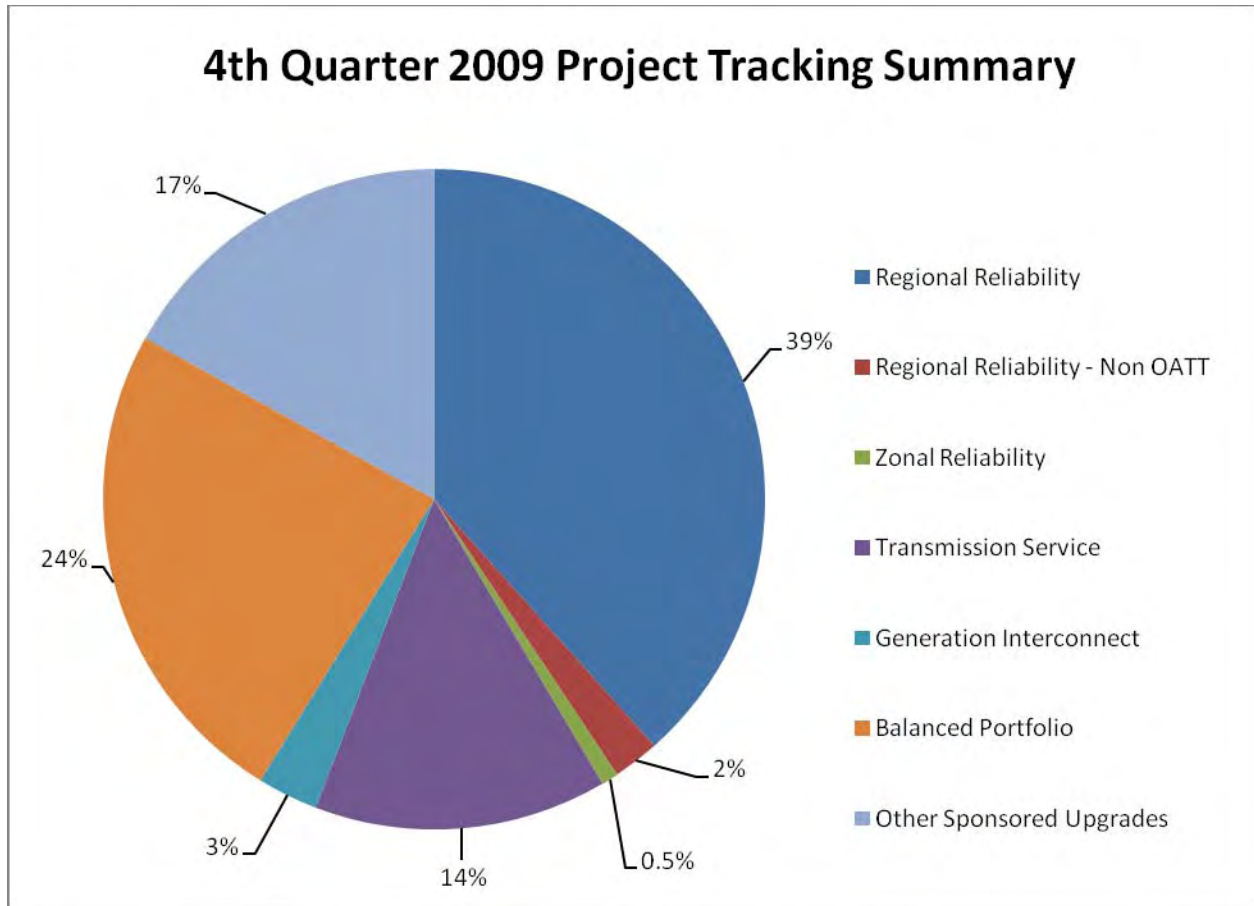
**Project Summary:**

There are 481 projects with an approximate engineering and construction (E&C) cost of \$3.1 billion currently being tracked. An aggregate study was completed this quarter that resulted in the issuance of 12 Notifications To Construct (NTC) containing 32 projects with a total estimated E&C of \$228 million.

<b>4th Quarter 2009 Project Tracking Summary</b>		
<b>Upgrade Type</b>	<b>Number of Upgrades</b>	<b>Cost Estimate</b>
Regional Reliability	272	\$1,198,504,280
Regional Reliability - Non OATT	12	\$70,825,000
Zonal Reliability	11	\$25,647,843
Transmission Service	77	\$447,695,142
Generation Interconnect	12	\$92,727,000
Balanced Portfolio	18	\$758,374,500
Other Sponsored Upgrades	78	\$527,332,350
<b>TOTALS</b>	<b>480</b>	<b>\$3,121,106,115</b>

\* NOTE: The approved 2009 Balanced Portfolio included 7 major approved projects, which, for tracking purposes, were separated into 18 different upgrades. The cost of the Portfolio has increased based upon revisions promoting a more consistent EHV planning design and updated cost estimates from our members.

- Figure 1: 2009 4th Quarter Project Summary



**Figure 2: Breakdown of Project Categories on Cost Basis**

### **Regional Reliability Project Summary:**

Regional reliability projects include all tariff signatory projects identified in an SPP study to meet regional reliability criteria for which NTC letters have been issued. There are 272 regional reliability upgrades with an approximate E&C cost of \$1.2 billion.

There were four upgrades, with latest E&C cost estimates at \$24 million, completed in the third quarter of 2009. There are ninety-six upgrades, with latest E&C cost estimates at \$382 million on schedule. Transmission owners have provided mitigation plans for ninety-eight upgrades with current E&C estimates of \$410 million. No upgrades have



been delayed beyond the Regional Transmission Organization (RTO) determined need date without having an interim mitigation plan.

**Transmission Service/Generation Interconnection (TSR/GI) Project Summary:**

This category contains projects identified as needed to support new Transmission Service (TSR) and Generation Interconnection (GI) service agreements. There are eighty-nine TSR/GI upgrades with an E&C cost of \$540 million.

There was one upgrade completed in this category during the third quarter of 2009. This project has an estimated E&C cost of \$2.3 million. There are sixty-two upgrades estimated at \$410 million on schedule. Transmission owners have provided mitigation plans for two projects valued at \$11 million. No upgrade has been delayed beyond the RTO determined need date without having an interim mitigation plan.

<b>4th Quarter 2009 Project Tracking Status</b>						
Top number is number of upgrades in category						
Bottom number is estimated cost of upgrades in category						
Upgrade Type	Total	Complete	On Schedule	On Schedule - Later in 10 yr Horizon (NTCs Issued)	Behind Schedule - With Mitigation	Behind Schedule - Without Mitigation
Reliability	272 \$1,198,504,280	46 \$170,268,517	96 \$382,334,520	32 \$235,984,254	98 \$409,916,990	0 \$0
Transmission Service	77 \$447,695,142	11 \$15,464,830	62 \$409,861,675	2 \$11,100,000	2 \$11,268,637	0 \$0
Generation Interconnect	12 \$92,727,000	0 \$0	12 \$92,727,000	0 \$0	0 \$0	0 \$0

Figure 3: Project Status

**Conclusions:**

The 4<sup>th</sup> Quarter Project Tracking saw completion of five upgrades worth an estimated \$27 million. Figure 4 gives a summary of projects completed in 2009.

<b>2009 Project Completion</b>				
	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>Totals YTD</b>
<b>Reliability</b>	8 \$30,658,517	34 \$115,343,767	4 \$24,266,233	46 \$170,268,517
<b>Transmission Service</b>	2 \$1,025,000	8 \$12,066,800	1 \$2,373,030	11 \$15,464,830
<b>Generation Interconnect</b>	0 \$0	0 \$0	0 \$0	0 \$0

**Figure 4: 2009 Completed Project Summary**

There are two zonal reliability upgrades for Westar Energy delayed beyond the RTO Determined need date which did not have SPP Staff approved mitigation plans. These projects are for the installation of capacitor banks at the Sunset 69 kV substation and at the South Seneca 115 kV substation. These projects have been lacking SPP-approved mitigation plans for two quarters. SPP continues to work with Westar Energy in determining feasible mitigation plans for these reliability issues. In general, it appears that projected loads have not materialized on the schedule anticipated. The Sunset 69 kV capacitor bank is scheduled to be in service in December 2009. The identified second South Seneca 115 kV capacitor bank is, instead, installed at the TransCanada - Seneca 115 kV pumping station.

## SPP 4th Quarter 2009 Project Tracking List - Branches and Transformers

COMPLETE	Complete.
ON SCHEDULE <4	On Schedule 4 Year Horizon.
ON SCHEDULE >4	On Schedule beyond 4 Year Horizon.
MITIGATION	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
RE-EVALUATION	Behind schedule, require re-evaluation due to anticipated load forecast changes.
DELAY- NO MITIGATION	Delayed beyond the RTO Determined need date and no mitigation plan provided
\$/ months	Project lead time and cost estimated by SPP staff

Project types "sponsored" and "regional reliability - non OATT" do not receive NTCs and are not filed at FERC but are being tracked because they are expected to be built in the near term

NTC_ID	PID	UID	Project Owner	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Current Cost Estimate	Final Cost	Project Lead Time	Project Status
19999	115	10145	AEP	Line - Northwest Texarkana - Alumax Tap	regional reliability	03/04/08	06/01/07	02/01/07	\$2,160,000			COMPLETE
19957	114	10144	AEP	Line - Northwest Texarkana-Bann T - Bann 138kV	transmission service	03/26/08	06/01/08	01/02/07	\$25,000			COMPLETE
19957	116	10146	AEP	Line - Alumax Tap - Bann	transmission service	03/26/08	06/01/09	01/02/07	\$1,180,000			COMPLETE
20000	110	10137	AEP	XFR - Pryor Junction 138/69 kV	regional reliability	04/25/08	06/01/08	02/13/08	\$1,829,100			COMPLETE
19997	120	10150	AEP	Line - Linwood to McWillie Street Rebuild	regional reliability	04/30/08	06/01/08	03/09/06	\$1,100,000			COMPLETE
19999	109	10133	AEP	Multi - Fayetteville 69 kV conversion	regional reliability	05/08/08	06/01/08	02/02/07	\$21,000,000			COMPLETE
19999	109	10134	AEP		regional reliability	05/08/08	06/01/08	02/02/07				COMPLETE
19999	109	10135	AEP		regional reliability	05/08/08	06/01/08	02/02/07				COMPLETE
19999	109	10136	AEP		regional reliability	05/08/08	06/01/08	02/02/07				COMPLETE
19998	117	10147	AEP	Line - Chamber Springs - Tontitown 345 kV	regional reliability	05/15/08	06/01/07	02/14/07	\$14,405,000			COMPLETE
20000	107	10132	AEP	Line - E Rogers - Avoca 161 kV	regional reliability	05/20/08	06/01/08	02/13/08	\$720,000			COMPLETE
19958	119	10149	AEP	Line - Cache - Snyder 138kV	transmission service	05/21/08	06/01/08	10/11/06	\$85,000			COMPLETE
20000	106	10130	AEP	Line - Snyder - Altus Junction 138 kV	regional reliability	05/21/08	06/01/13	02/13/08	\$16,760,000			COMPLETE
20000	227	10291	AEP	Line - Breaker Daingerfield - Jenkins REC 69 kV	regional reliability	12/12/08	06/01/09	02/13/08	\$250,000		12 months	COMPLETE
20016	291	10377	AEP	Line - Bann - Lonestar Ordinance Tap 69 kV	transmission service	01/13/09	06/01/12	01/16/09	\$25,000		6 months	COMPLETE
20016	108	10441	AEP	Line - North Market - Arsenal Hill 69 kV	regional reliability	01/30/09	06/01/10	01/16/09	\$3,210,000		24 months	COMPLETE

20016	30149	50157	AEP	Line - DYESS - TONTITOWN 161KV CKT 1	transmission service	02/04/09	06/01/10	01/16/09	\$100,000		15 months	COMPLETE
20012	112	10139	AEP	Line - Sayre - Erick	regional reliability	02/06/09	06/01/09	07/28/08	\$10,400,000		24 months	COMPLETE
19954	220	10279	AEP	Line - Riverside Station - Explorer Glenpool 138 kV Ckt 1	transmission service	03/23/09	06/01/09	07/21/06	\$1,000,000		24 months	COMPLETE
	695	10911	AEP	Line- Canadian Pump Station line tap	sponsored	03/20/09			\$1,616,000		10 months	COMPLETE
	695	10912	AEP	Line- Canadian Pump Station line tap	sponsored	03/20/09					10 months	COMPLETE
20000	221	10280	AEP	Line - Hope - Fulton 115 kV	regional reliability	03/31/09	06/01/09	02/13/08	\$100,000		15 months	COMPLETE
19956	224	10283	AEP	XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV	transmission service	04/03/09	06/01/10	06/27/07	\$6,873,000		30 months	COMPLETE
19956	224	10284	AEP	XFR - Southwest Shreveport Transformer Ckt 2 345/161 kV	transmission service	04/03/09	06/01/10	06/27/07			30 months	COMPLETE
20027	449	10581	AEP	Line - Carthage - Rock Hill 69 kV	regional reliability	04/20/09	06/01/10	01/27/09	\$50,000		9 months	COMPLETE
20016	30151	50159	AEP	Line - LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	transmission service	04/30/09	06/01/09	01/16/09	\$125,000		15 months	COMPLETE
20000	230	10295	AEP	Line - Broken Bow - Craig Junction 138 kV	regional reliability	05/08/09	06/01/08	02/13/08	\$6,602,000		18 months	COMPLETE
20016	30145	50153	AEP	Line - ARSENAL HILL - WATERWORKS 69KV CKT 1	transmission service	05/19/09	06/01/10	01/16/09	\$3,898,800		18 months	COMPLETE
20016	30144	50152	AEP	Line - ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	transmission service	05/06/09	06/01/10	01/16/09	\$100,000		12 months	COMPLETE
20000	113	10143	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	05/09/08	06/01/12	02/13/08	\$3,000,000		24 months	COMPLETE
20000	113	11081	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$5,312,100		24 months	COMPLETE
20000	113	10745	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$2,580,000		24 months	COMPLETE
20000	113	10746	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$4,460,000		24 months	COMPLETE
20016	30154	50162	AEP	Line - MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2	transmission service	06/01/09	06/01/12	01/16/09	\$100,000		12 months	COMPLETE
20000	225	10286	AEP	Line - North Magazine - Magazine REC - Danville 161 kV	regional reliability	06/17/09	06/01/09	02/13/08	\$13,705,000		24 months	COMPLETE
20000	225	10289	AEP	Line - North Magazine - Magazine REC - Danville 161 kV	regional reliability	06/17/09	06/01/09	02/13/08	\$6,090,000		24 months	COMPLETE
20000	219	10278	AEP	Line - Excelsior - Excelsior Tap 161 kV	regional reliability	06/30/09	06/01/09	02/13/08	\$4,000,000		24 months	COMPLETE
20000	229	10292	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/11	02/13/08	\$14,200,000		24 months	COMPLETE
20000	229	10293	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/13	02/13/08			24 months	COMPLETE
20000	229	10294	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	06/01/10	06/01/13	02/13/08			24 months	ON SCHEDULE <4
	424	10552	CUS	Line - Southwest - Brookline 161 kV	sponsored	06/01/09			\$450,000	\$444,977	24 months	COMPLETE

	425	10553	CUS	Line - Southwest - Southwest Disposal 161 kV	sponsored	06/01/09				\$175,000	\$170,890	24 months	COMPLETE
	426	10554	CUS	Line - Southwest Disposal - Battlefield 161 kV	sponsored	06/01/09				\$675,000	\$594,254	24 months	COMPLETE
20010	207	10263	EDE	Line - Sub 145 - Joplin West 7th - Sub 341 - Joplin NorthWest 69 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$780,000			12 months	COMPLETE
19992	208	10264	EDE	Line - SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 1	regional reliability	06/01/08	06/01/08	02/02/07	\$20,000			6 months	COMPLETE
20010	282	10366	EDE	Line - Sub 389-Joplin Southwest - Sub 422-Joplin 24th & Connecticut 161 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$5,000			6 months	COMPLETE
	195	10249	GMO	Line - Pope Lane to Smithville 161kV	sponsored	01/01/09			\$4,550,000			12-18 months	COMPLETE
20034	627	10815	GMO	Line - Alabama - Lake Road 161 kV	regional reliability	06/01/09	06/01/10	01/27/09	\$20,000			3 months	COMPLETE
20001	121	10151	GRDA	Line - 412 Sub - Kansas Tap 161 kV	regional reliability	03/11/08	06/01/10	02/13/08	\$2,971,180	\$3,519,002			COMPLETE
20001	300	10387	GRDA	Line - Kerr - 412 Sub 161 kV Rebuild	regional reliability	04/01/09	06/01/10	02/13/08	\$950,000	\$567,063		24 months	COMPLETE
20009	197	10252	KCPL	XFR - West Gardner 345/161 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$5,000,000	\$4,574,216		6 months	COMPLETE
20009	198	10253	KCPL	Line - Antioch - Oxford 161 kV	regional reliability	12/31/08	06/01/08	02/13/08	\$2,500,000				COMPLETE
	199	10254	KCPL	Multi - Lackman Sub	sponsored	05/29/09			\$138,200			6 months	COMPLETE
	199	10255	KCPL	Multi - Lackman Sub	sponsored	05/29/09							COMPLETE
	605	10774	NPPD	Multi - North Platt 230/115 kV Transformers	regional reliability	04/01/07	06/01/09						COMPLETE
	605	10775	NPPD	Multi - North Platt 230/115 kV Transformers	regional reliability	06/01/10	06/01/09		\$5,801,175				MITIGATION
	604	10773	NPPD	XFR - Grand Island 345/230 kV Transformer	regional reliability	07/01/09	07/01/09		\$6,950,971				COMPLETE
	607	10778	NPPD	Bloomfield Wind Generation Interconnection, Delivery & Facilities	regional reliability	03/01/09	03/01/09		\$5,500,000				COMPLETE
	606	10776	NPPD	Multi - ETR Project	regional reliability	06/01/08	06/01/10		\$170,330,000				COMPLETE
	606	10777	NPPD	Multi - ETR Project	regional reliability	01/01/10	06/01/10						ON SCHEDULE <4
20002	131	10165	OGE	Line - Canadian - Cedar Lane 138 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$12,637	\$31,127			COMPLETE
20002	124	10157	OGE	Line - Fort Smith - Colony 161 kV	regional reliability	11/01/08	06/01/09	02/13/08	\$133,000	\$86,875			COMPLETE
19995-1	127	10160	OGE	Line - Westmoore - Pennsylvania 138 kV	zonal reliability	12/30/08	10/01/07	03/07/07	\$250,000	\$170,751			COMPLETE
19996	52	10070	OGE	Line - Stillwater - McElroy 138 kV	regional reliability	02/27/09	05/31/08	02/01/07	\$1,758,527	\$2,067,530		18 months	COMPLETE
19960	234	10299	OGE	Line - Explorer Glenpool - Beeline 138 kV Ckt 1	transmission service	06/01/09	06/01/09	07/21/06	\$200,000	\$310,000			COMPLETE
20002	236	10301	OGE	Line - Alva - Knobhill 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$35,000	\$26,000		6 months	COMPLETE
19960	237	10302	OGE	Line - Explorer Glenpool - Riverside Station 138 kV Ckt 1	transmission service	06/01/09	06/01/09	07/21/06	\$400,000	\$660,000			COMPLETE
	126	10159	OGE	Line - Maud - Seminole 138kV	sponsored	05/01/09			\$326,346	\$240,000			COMPLETE
	67	10085	OGE	Line - Igo - Razorback 69 kV	sponsored	06/25/09			\$5,939,246	\$8,096,000			COMPLETE
	123	10153	OGE	Multi - Earlywine	sponsored	06/01/09							COMPLETE
	123	10154	OGE	Multi - Earlywine	sponsored	06/01/09			\$12,000,000	\$9,500,000			COMPLETE

	123	10155	OGE	Multi - Earlywine	sponsored	06/01/09				\$12,500,000	\$9,500,000			COMPLETE
	123	10156	OGE	Multi - Earlywine	sponsored	06/01/09								COMPLETE
	596	10763	OMPA	Line - Ompvet - OmAltus - 4 138 kV	sponsored	06/05/09				\$1,094,000				COMPLETE
	597	10764	OMPA	Line - Altus Junction Ompark - 4 138 kV	sponsored	06/25/09				\$1,174,552				COMPLETE
	595	10762	OMPA	Line - Ompvet - Ompark - 4 138 kV	sponsored	07/02/09				\$1,946,000				COMPLETE
	598	10765	OMPA	Line-Tamarack Tap-OmAltus-4 138 kV	sponsored	07/21/09				\$586,250				COMPLETE
	608	10779	OPPD	Build New 161 kV Substation Sub 1305	regional reliability	05/22/09	12/01/09							COMPLETE
	608	10919	OPPD	Line - Sub 1251 - Sub 1305 161 kV	regional reliability	05/22/09	12/01/09							COMPLETE
	608	10920	OPPD	Line - Sub 1298 - Sub 1305 161 kV	regional reliability	05/22/09	12/01/09			\$21,600,000				COMPLETE
	608	10921	OPPD	Line - Sub 1251 - Sub 1298 161 kV	regional reliability	05/22/09	12/01/09							COMPLETE
	608	10922	OPPD	Line - Sub 1226 - Sub 1298 161 kV	regional reliability	05/22/09	12/01/09							COMPLETE
19987	76	10096	SPS	XFR - Terry Co 115/69 kV	regional reliability	11/01/07	06/01/07	02/02/07		\$2,375,000	\$2,145,926			COMPLETE
19987	76	10097	SPS		regional reliability	10/24/08	06/01/07	02/02/07				18 months		COMPLETE
20060	80	10103	SPS	XFR - Roswell Interchange 115/69 kV #2	regional reliability	01/01/09	10/01/09	08/31/09		\$1,375,000				COMPLETE
20004	249	10320	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			\$5,199,326	30 months		COMPLETE
20004	249	10321	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08	\$15,891,640		\$4,773,698	30 months		COMPLETE
20004	249	10322	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			\$7,750,847	30 months		COMPLETE
20004	146	10185	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	06/26/09	06/01/08	02/13/08	\$8,762,733			36 months		COMPLETE
	593	10760	SPS	Line - Denver City - Seminole 115 kV	sponsored	07/17/09								COMPLETE
	594	10761	SPS	Line - Seminole - Doss Interchange 115 kV	sponsored	07/31/09								COMPLETE
19987	162	10210	SPS	XFR - Lubbock East 115/69 kV #1	regional reliability	09/04/09	06/01/07	02/02/07		\$1,300,000		18 months		COMPLETE
20004	146	10187	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	07/17/09	06/01/08	02/13/08				24 months		COMPLETE
20004	146	10188	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	12/31/09	06/01/08	02/13/08	\$7,715,262			24 months		MITIGATION
19984	104	10128	SWPA	Line - Springfield - Brookline 161 kV	transmission service	06/01/08	06/01/08			\$300,000				COMPLETE
19985	72	10090	WFEC	Line - Elmore - Wallville 69 kV	regional reliability	03/31/08	06/01/12	02/02/07		\$1,488,000		16 months		COMPLETE
19951	141	10180	WFEC	XFR - Ft Supply 70 MVA	transmission service	06/01/08	06/01/08	01/02/07		\$2,000,000		18- months		COMPLETE
20003	244	10312	WFEC	XFR - Paoli 138 kV/69 kV Transformer	regional reliability	06/01/08	06/01/09	02/13/08		\$1,500,000		12 months		COMPLETE
20003	312	10404	WFEC	Line - Alva - Cherokee SW 69 kV	regional reliability	06/01/08	06/01/10	02/13/08	\$150,000			6 months		COMPLETE
19985	134	10168	WFEC	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07				12 months		COMPLETE
19985	134	10169	WFEC	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07				12 months		COMPLETE



19985	134	10170	WFEC	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07	\$12,000,000		12 months	COMPLETE
19985	134	10171	WFEC	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months	COMPLETE
19985	134	10172	WFEC	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months	COMPLETE
20003	139	10177	WFEC	Multi - Kingfisher 69 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$4,050,000		10 months	COMPLETE
20003	139	10178	WFEC	Multi - Kingfisher 69 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$3,540,000		10 months	COMPLETE
20030	585	10752	WFEC	Line-Buffalo-FT Supply CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months	COMPLETE
20030	586	10753	WFEC	Line-Burlington-Cherokee SW 69 kV CT	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months	COMPLETE
20030	587	10754	WFEC	Line - IODINE - MOORELAND 138KV CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months	COMPLETE
20030	588	10755	WFEC	Line - MOORELAND - MOREWOOD SW 138KV CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		6 months	COMPLETE
20003	403	10525	WFEC	XFR - Comanche 138/69 kV Transformer	regional reliability	06/01/09	06/01/12	02/13/08	\$1,000,000		24 months	COMPLETE
20003	356	10466	WFEC	Line - Medicine Park Jct - Fletcher 69 kV	regional reliability	06/01/09	06/01/11	02/13/08	\$1,230,000		16 months	COMPLETE
20003	240	10306	WFEC	Line - Cyril to Medicine Park Jct 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$750,000		16 months	COMPLETE
20003	142	10181	WFEC	Line - Little Axe - Noble 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$2,640,000		16 months	COMPLETE
20003	132	10166	WFEC	Line - Anadarko - Cyril 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$3,120,000		16 months	COMPLETE
20030	589	10756	WFEC	Line-Grandfield-Hollister 69 kV	regional reliability	06/01/09	06/01/09	01/27/09	\$150,000		8 months	COMPLETE
19986	84	10107	WR	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	regional reliability	08/04/08	06/01/07	02/02/07	\$1,617,177	\$1,553,395		COMPLETE
19986	84	10108	WR	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	regional reliability	08/04/08	06/01/07	02/02/07				COMPLETE
20006	167	10216	WR	Line - Gill Energy Center East - Gill Energy Center Jct 69 kV Rebuild	regional reliability	12/20/08	06/01/08	02/13/08	\$1,589,322	\$1,987,109	18 months	COMPLETE
19986	174	10223	WR	Line - Murry Gill Energy Center - MacArthur 69 kV	regional reliability	06/01/08	06/01/08	02/02/07	\$150,000		8 months	COMPLETE
20006	175	10224	WR	Line - McDowell Creek - Fort Junction 115 kV	regional reliability	12/15/08	10/01/08	02/13/08	\$6,350,667	\$6,409,525	10 months	COMPLETE
20006	175	10225	WR	Line - McDowell Creek - Fort Junction 115 kV	regional reliability	12/15/08	10/01/08	02/13/08				10 months
19986	176	10226	WR	Line - Dearing - Coffeyville 69 kV Rebuild	regional reliability	12/08/08	06/01/08	02/02/07	\$1,226,705	\$778,658	7 months	COMPLETE
19986	176	10227	WR	Line - Coffeyville - CRA 69 kV Rebuild	regional reliability	12/08/08	06/01/08	02/02/07				7 months
19986	181	10230	WR	XFR - County Line 115/69 kV Replacement	regional reliability	10/30/08	06/01/07	02/02/07	\$2,860,000		14 months	COMPLETE
19986	185	10234	WR	Multi - Hutchinson 115 kV conversion	zonal reliability	12/01/08	12/31/08	02/02/07	\$6,711,881		20 months	COMPLETE
19966	253	10333	WR	Line - Jarbalo - 166th Street 115 kV	transmission service	09/18/08	06/01/09	05/29/07	\$7,943,430	\$3,339,680	18 months	COMPLETE

20006	323	10419	WR	Line - West McPherson - Wheatland 115 kV	regional reliability	03/01/09	06/01/10	02/13/08	\$3,949,405		12 months	COMPLETE
20006	260	10343	WR	Line - Reno - Circle 115 kV Ckt 1	regional reliability	03/01/09	06/01/09	02/13/08	\$4,056,582		18 months	COMPLETE
19965	253	10334	WR	Line- 166th - Jaggard Junction 115 kV Rebuild	transmission service	08/31/09	06/01/09	05/29/07	\$2,373,030		18 months	COMPLETE
	262	10346	WR	XFR - Reno County 345/115 kV #2	sponsored	09/21/09			\$4,337,501		24 months	COMPLETE
20006	265	10348	WR	XFR - Stranger Creek 345/115 #2 Addition	regional reliability	09/15/09	06/01/09	02/13/08	\$8,300,000		24 months	COMPLETE
20015	30143	50151	AEEC	Line - MCNAB - TURK 115KV CKT 1 AEEC	transmission service	04/01/12	04/01/12	01/16/09	\$165,000			ON SCHEDULE <4
20015	351	10460	AEEC	Line - Hope - Fulton 115 kV Recond	transmission service	04/01/12	04/01/12	01/16/09	\$1,512,000			ON SCHEDULE <4
20015	351	10461	AEEC	Fulton Switching Station	transmission service	04/01/12	04/01/12	01/16/09	\$440,000			ON SCHEDULE <4
	283	10367	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	06/01/12			\$57,000,000			ON SCHEDULE <4
	283	10368	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11						ON SCHEDULE <4
	283	10369	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11						ON SCHEDULE <4
	283	10916	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11						ON SCHEDULE <4
	283	10781	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11						ON SCHEDULE <4
	610	10782	AECI	Line - Camp Clark - Lamar 161 kV	regional reliability - non OATT	06/01/11						ON SCHEDULE <4
	611	10783	AECI	XFR - Lamar 69/161 kV	regional reliability - non OATT	06/01/11						ON SCHEDULE <4
20027	222	10281	AEP	Line - Bonanza - Bonanza Tap 161 kV	regional reliability	11/30/09	06/01/10	01/27/09	\$594,000		15 months	ON SCHEDULE <4
20005	177	10728	AEP	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	11/30/09	06/01/12	02/20/08	\$2,887,800		12 months	ON SCHEDULE <4
20005	177	10729	AEP	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	11/30/09	06/01/12	02/20/08	\$442,800		12 months	ON SCHEDULE <4
			AEP	Line - Bransdall Pump Station Tap	sponsored	12/31/09			\$4,450,000		15 months	ON SCHEDULE <4
			AEP	Line - Bransdall Pump Station Tap	sponsored	12/31/09					15 months	ON SCHEDULE <4
20016	507	10652	AEP	Line - ARSENAL HILL - FORT HUMBUG 138KV CKT 1	transmission service	06/01/10	06/01/10	01/16/09	\$5,428,300		18 months	ON SCHEDULE <4
20016	30147	50155	AEP	XFR - ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	transmission service	06/01/10	06/01/10	01/16/09	\$3,005,700		18 months	ON SCHEDULE <4
20016	30146	50154	AEP	XFR - ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	transmission service	06/01/10	06/01/10	01/16/09	\$3,005,700		18 months	ON SCHEDULE <4
20016	30153	50161	AEP	XFR - LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	transmission service	06/01/10	06/01/10	01/16/09	\$200,000			ON SCHEDULE <4

19959	289	10375	AEP	Line - Clinton City Wave Trap	transmission service	06/01/10	06/01/10	10/17/06	\$135,400		9 months	ON SCHEDULE <4
20000	294	10380	AEP	Line - North Mineola - Mineola 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$339,000		15 months	ON SCHEDULE <4
19953	295	10381	AEP	Line - Coffeyville Tap - Dearing - 138 kV	transmission service	06/01/10	06/01/10	06/26/07	\$1,008,000		24 months	ON SCHEDULE <4
20000	297	10383	AEP	Line - Quitman - Westwood 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$3,827,000		24 months	ON SCHEDULE <4
20016	296	10382	AEP	Line - Dyess - Elm Springs REC 161 kV CKT 1 #2	transmission service	06/01/10	06/01/10	01/16/09	\$6,252,000		24 months	ON SCHEDULE <4
20027	292	10378	AEP	Line - Greggton - Lake Lamond 69 kV	regional reliability	06/01/10	06/01/11	01/27/09	\$1,496,000		24 months	ON SCHEDULE <4
	216	10275	AEP	Line - Ben Wheeler - Barton's Chapel (Rayburn) 138 kV Ckt 1	regional reliability - non OATT	06/01/10					18 months	ON SCHEDULE <4
20016	343	10440	AEP	Line - Winnsboro - Magnolia Tap 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$250,000		15 months	ON SCHEDULE <4
20016	345	10442	AEP	Line - Magnolia - Forest Hill 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$125,000		15 months	ON SCHEDULE <4
20016	346	10443	AEP	Line - Forest Hills - Quitman 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$100,000		15 months	ON SCHEDULE <4
20027	641	10842	AEP	Line -Forest Hills-Quitman 69 kV Switches	regional reliability	06/01/10	06/01/13	01/27/09	\$150,000		15 months	ON SCHEDULE <4
20016	348	10445	AEP	Line - Dyess - Tontitown 161 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$224,000		12 months	ON SCHEDULE <4
20027	613	10784	AEP	Line - Diana-Lone Star South 138 kV	regional reliability	12/01/10	12/01/10	01/27/09	\$100,000		12 months	ON SCHEDULE <4
	231	10296	AEP	Line - Turk - SE Texarkana - 138 kV	generation interconnect	12/31/10			\$25,590,000		48 months	ON SCHEDULE <4
	232	10297	AEP	Line - Turk - Sugar Hill 138 kV	generation interconnect	12/31/10			\$18,427,000		48 months	ON SCHEDULE <4
20027	452	10586	AEP	XFR - Whitney 138/69 kV	regional reliability	06/01/11	06/01/11	01/27/09	\$350,000		18 months	ON SCHEDULE <4
20000	347	10444	AEP	Line - Woodlawn - Baldwin 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$2,000,000		18 months	ON SCHEDULE <4
20048	446	10578	AEP	Line - Coffeyville Tap - North Bartlesville 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$13,100,000		24 months	ON SCHEDULE <4
20048	454	10588	AEP	Line - Bartsville Southeast - North Bartlesville 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$8,400,000		24 months	ON SCHEDULE <4
20016	349	10449	AEP	Line - MCNAB REC - Turk 115 kV recon	transmission service	12/31/11	04/01/12	01/16/09	\$540,000		60 months	ON SCHEDULE <4
20016	349	10450	AEP	Line - McNab REC - Hope	transmission service	12/31/11	04/01/12	01/16/09	\$2,170,000		60 months	ON SCHEDULE <4
20016-1	349	10456	AEP	XFR - Turk 345/138 kV	transmission service	12/31/11	04/01/12	09/18/09	\$7,310,000		60 months	ON SCHEDULE <4
	350	10459	AEP	Line - Bann - Red Springs REC	generation interconnect	12/31/11			\$277,000		60 months	ON SCHEDULE <4
	349	10446	AEP	Line - Ashdown - Okay 115 kV	generation interconnect	06/01/11			\$7,810,000		60 months	ON SCHEDULE <4
	349	10447	AEP	Line - Ashdown - Patterson 138 kV	generation interconnect	12/31/11			\$11,431,000		60 months	ON SCHEDULE <4

	349	10448	AEP	Line - MCNAB REC - Turk 115 kV	generation interconnect	12/31/11			\$1,773,000		60 months	ON SCHEDULE <4	
	349	10451	AEP	XFR - Okay 115/69 kV	generation interconnect	12/31/11			\$3,266,000		60 months	ON SCHEDULE <4	
	349	10452	AEP	Line - Okay 115 - Turk 138 kV	generation interconnect	12/31/11			\$8,170,000		60 months	ON SCHEDULE <4	
	349	10457	AEP	XFR - Turk 138/115 kV #1	generation interconnect	12/31/11			\$7,806,000		48 months	ON SCHEDULE <4	
20016	30157	50165	AEP	Line - SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$4,750,000		24 months	ON SCHEDULE <4	
20016	30156	50164	AEP	Line - SE TEXARKANA - TEXARKANA PLANT 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$35,000		9 months	ON SCHEDULE <4	
20016	30155	50163	AEP	Line - OKAY - TOLLETTE 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$80,000		12 months	ON SCHEDULE <4	
20016	30152	50160	AEP	Line - LINWOOD - POWELL STREET 138KV CKT 1	transmission service	06/01/12	06/01/12	01/16/09	\$456,000		15 months	ON SCHEDULE <4	
20016	30142	50148	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09	\$48,580,000		33 months	ON SCHEDULE <4	
20016	30142	50149	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09			33 months	ON SCHEDULE <4	
20016	30142	50150	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09			33 months	ON SCHEDULE <4	
20016	288	10374	AEP	Line - Valliant Substation - Install 345 kV terminal equipment	transmission service	04/01/12	04/01/12	01/16/09	\$3,840,000		24 months	ON SCHEDULE <4	
20048	30148	50156	AEP	Line - BANN - LONESTAR ORDINANCE TAP 69KV CKT 1 #2	transmission service	06/01/12	06/01/12	09/18/09	\$273,400		24 months	ON SCHEDULE <4	
20000	113	10140	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$9,480,000		24 months	ON SCHEDULE <4	
20000	113	10786	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$11,988,400		24 months	ON SCHEDULE <4	
20000	113	10141	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$19,482,000		24 months	ON SCHEDULE <4	
20000	387	10505	AEP	Line - Riverside - Okmulgee 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$125,000		15 months	ON SCHEDULE <4	
20000	388	10506	AEP	Line - New Boston - North New Boston 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$100,000		15 months	ON SCHEDULE <4	
20000	389	10507	AEP	Line - SE Texarkana - Texarkana 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$122,000		15 months	ON SCHEDULE <4	
20000	391	10509	AEP	Line - Lone Star South - Pittsburg 138kV	regional reliability	06/01/12	06/01/12	02/13/08	\$300,000		15 months	ON SCHEDULE <4	
	339	10436	CUS	XFR - SWPS Bus - SWPS #2 161 kV	sponsored	10/01/10			\$3,200,000		24 months	ON SCHEDULE <4	
20011	441	10572	CUS	Line - Kickapoo - Sunset 69 kV	regional reliability	06/01/12	06/01/13	02/13/08	\$805,000		24 months	ON SCHEDULE <4	
	287	10373	DETEC	Line - Etoile - Chireno	sponsored	06/01/11			\$11,299,000			ON SCHEDULE <4	
	636	10834	DETEC	Line-Chireno-Martinsville 138 kV	sponsored	06/01/12			\$7,617,000			ON SCHEDULE <4	
19992	209	10265	EDE	Multi - Riverdale - Ozarks 161 kV Ckt 1	regional reliability	12/01/09	06/01/10	02/02/07	\$14,057,000		30 months	ON SCHEDULE <4	
19992	209	10266	EDE		regional reliability	12/01/09	06/01/10	02/02/07					ON SCHEDULE <4
19992	209	10267	EDE		regional reliability	12/01/09	06/01/10	02/02/07					ON SCHEDULE <4

19992	209	10268	EDE		regional reliability	12/01/09	06/01/10	02/02/07				ON SCHEDULE <4
20049	382	10495	EDE	Line - Baxter Spring West - Hockerville 69 kV	regional reliability	06/01/10	06/01/10	09/18/09	\$50,000		6 months	ON SCHEDULE <4
19969	338	10435	EDE	Line - SUB 184 - NEOSHO SOUTH JCT. - Neosho (SWPA) 161 kV	transmission service	06/01/10	06/01/10	09/22/06	\$1,215,000		12 months	ON SCHEDULE <4
20049	496	10641	EDE	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1	regional reliability	06/01/10	06/01/10	09/18/09	\$55,000		12 months	ON SCHEDULE <4
19970	352	10730	EDE	Line - Oronogo Junction - Riverton 161 kV Recond	transmission service	06/01/11	06/01/11	01/10/08	\$5,750,000		36 months	ON SCHEDULE <4
19970	499	10644	EDE	XFR - Oronogo - 161/69 kV	transmission service	06/01/11	06/01/11	01/10/08	\$4,000,000		36 months	ON SCHEDULE <4
20036	638	10839	EDE	Line - Sub 170 Nichols - Sub 80 Sedalia 69 kV	regional reliability	06/01/12	06/01/12	101/27/09	\$3,520,000		18 months	ON SCHEDULE <4
20036	420	10546	EDE	Line - Jamesville - Sub 415-Blackhawk Jct. 69 kV	regional reliability	06/01/12	06/01/17	01/27/09	\$50,000		6 months	ON SCHEDULE <4
	496	10641	EDE	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1	regional reliability	06/01/12	06/01/17		\$55,000		6 months	ON SCHEDULE <4
	192	10246	GMO	Line - Iatan - Platte City 161 kV Ckt 1	generation interconnect	12/31/09			\$1,050,000		6 months	ON SCHEDULE <4
	275	10359	GMO	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	12/31/09			\$7,127,000		12-18 months	ON SCHEDULE <4
	275	10360	GMO	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	12/31/09						12-18 months
	332	10429	GMO	XFR - Sibley 161/69kV	sponsored	07/01/10			\$2,200,000		18 months	ON SCHEDULE <4
20034	628	10816	GMO	Line - Platte City - Smithville 161 kV	regional reliability	12/01/10	12/01/10	01/27/09	\$50,000		6 months	ON SCHEDULE <4
20053	30222	50226	GMO	Line - Freeman - South Harper 69 kV	regional reliability	06/01/10	06/01/10	09/18/09	\$20,000		6 months	ON SCHEDULE <4
	331	10428	GMO	Line - Clinton MIPU - Clinton AECl 161 kV	sponsored	06/01/11			\$2,418,750		6-12 months	ON SCHEDULE <4
	302	10389	GRDA	Line - Siloam Springs Tap - Siloam City	sponsored	06/01/10			\$3,210,200		24 months	ON SCHEDULE <4
20001	393	10511	GRDA	XFR - Afton 161/69 kV #2 Addition	regional reliability	06/01/11	06/01/12	02/13/08	\$2,500,000		24 months	ON SCHEDULE <4
20050	394	10512	GRDA	Line - Pensacola - Kerr 115 kV	regional reliability	06/01/11	06/01/11	09/18/09	\$10,450,000		24 months	ON SCHEDULE <4
	302	10390	GRDA	XFR - Siloam Springs Tap 345/161kV	sponsored	12/01/11			\$8,019,000		24 months	ON SCHEDULE <4
20021	299	10385	GRDA	Multi-Kansas Tap - Siloam City 161KV	regional reliability	06/01/12	06/01/12	01/16/09	\$4,212,500		24 months	ON SCHEDULE <4
20021	299	10386	GRDA	Multi-Kansas Tap - Siloam City 161KV	regional reliability	06/01/12	06/01/12	01/16/09	\$1,700,000		24 months	ON SCHEDULE <4
20040	698	10927	GRDA	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12		06/19/09	\$1,806,000			ON SCHEDULE <4
19967	280	10364	KCPL	Line - College - Craig 161 kV	transmission service	11/01/09	06/01/11	05/31/07	\$1,193,400		24 months	ON SCHEDULE <4
	626	10814	KCPL	Multi - Iatan 345/161 kV Sub	sponsored	12/31/09			\$8,000,000		24 months	ON SCHEDULE <4
	200	10256	KCPL	Line - Terrace - Westside 161 kV	sponsored	09/30/10			\$4,352,600		10 months	ON SCHEDULE <4
	201	10257	KCPL	Line - Crosstown - Midtown 161 kV	sponsored	03/30/10			\$4,750,000			ON SCHEDULE <4
	279	10363	KCPL	Line - Craig - Lenexa 161 kV	sponsored	06/01/10			\$192,000		6 months	ON SCHEDULE <4
20051	30218	50222	KCPL	Line - Redel - Stillwell 161 kV	transmission service	06/01/11	06/01/11	09/18/09	\$2,200,000		24 months	ON SCHEDULE <4
	377	10490	KCPL	Line - Paola - Middle Creek 161 kV	sponsored	06/01/12			\$2,622,850		18 months	ON SCHEDULE <4

	378	10491	KCPL	Line - North Louisburg - Middle Creek 161 kV	sponsored	06/01/12			\$12,179,000		24 months	ON SCHEDULE <4
20009	417	10543	KCPL	Line - Avondale- Gladstone 161 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$13,000		6 months	ON SCHEDULE <4
20042	702	10934	KCPL	Tap - Swissvale - Stilwell	Balanced Portfolio	06/01/12		06/19/09	\$2,000,000			ON SCHEDULE <4
20052	30219	50223	MIDW	Line - Ellinwood - Rice County 34.5 kV	transmission service	06/01/10	06/01/10	09/18/09	\$1,812,500			ON SCHEDULE <4
20046	707	10941	MIDW	XFR - Wolf 345/230 kV	Balanced Portfolio	06/01/12		06/19/09	\$3,000,000			ON SCHEDULE <4
	630	10818	NPPD	Upgrade Jeffrey - Gothenburg 115kV line	regional reliability	06/01/10	06/01/10		\$200,000			ON SCHEDULE <4
	629	10817	NPPD	Twin Church / South Sioux City Area	regional reliability	06/01/12	06/01/12		\$33,000,000			ON SCHEDULE <4
	56	10074	OGE	Line - Chitwood - Garber 138 kV	sponsored	11/01/09			\$5,920,226			ON SCHEDULE <4
20029	584	10751	OGE	Line-Cleo Corner-Cleo Jct 69 kV	regional reliability	12/01/09	12/01/09	01/27/09	\$25,000		6 months	ON SCHEDULE <4
20022	614	10787	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
20022	614	10915	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
20022	614	10788	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
20022	614	10789	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09	\$218,000,000			ON SCHEDULE <4
20022	614	10790	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
20022	614	10791	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
20022	614	10913	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09				ON SCHEDULE <4
	310	10391	OGE	Line - Fitzhugh - Helberg 161 kV	sponsored	06/01/10			\$1,416,000			ON SCHEDULE <4
	310	10395	OGE	Line - Little Spadra - Igo 161 kV	sponsored	06/01/10			\$2,112,000			ON SCHEDULE <4
	310	10398	OGE	Line - Razorback - Igo 161 kV	sponsored	10/01/10			\$2,973,000			ON SCHEDULE <4
	310	10399	OGE	Line - Razorback - Short Mountain 161 kV	sponsored	06/01/10			\$500,000			ON SCHEDULE <4
	310	10400	OGE	Line - Short Mountain - Branch 161 kV	sponsored	10/01/10			\$3,231,000			ON SCHEDULE <4
20002	395	10513	OGE	Line - OGE Russett - WFEC Russett 138kV	regional reliability	06/01/10	12/01/12	02/13/08	\$347,073		12 months	ON SCHEDULE <4
	304	10731	OGE	Multi - Johnson County Project	sponsored	06/01/11						ON SCHEDULE <4
	304	10732	OGE	Multi - Johnson County Project	sponsored	06/01/11						ON SCHEDULE <4
	304	10733	OGE	Multi - Johnson County Project	sponsored	06/01/11						ON SCHEDULE <4
	304	10734	OGE	Multi - Johnson County Project	sponsored	06/01/11						ON SCHEDULE <4
	304	10735	OGE	Multi - Johnson County Project	sponsored	06/01/11						ON SCHEDULE <4
	304	10736	OGE	Multi - Johnson County Project	sponsored	12/01/10						ON SCHEDULE <4
	304	10737	OGE	Multi - Johnson County Project	sponsored	06/01/10						ON SCHEDULE <4
	310	10393	OGE	Line - Altus - Fitzhugh 161 kV	sponsored	12/31/10			\$660,000			ON SCHEDULE <4
	310	10392	OGE	Line - Great Lakes Carbon - Altus 161 kV	sponsored	03/31/11			\$543,000			ON SCHEDULE <4
	310	10394	OGE	Line - Igo - Noark 161 kV	sponsored	03/31/11			\$2,994,000			ON SCHEDULE <4
	310	10396	OGE	Line - Noark - Great Lakes Carbon 161 kV	sponsored	03/31/11			\$522,000			ON SCHEDULE <4
	582	10747	OGE	Multi - Arcadia Tap	sponsored	06/01/11						ON SCHEDULE <4
	582	10748	OGE	Multi - Arcadia Tap	sponsored	06/01/11			\$1,200,000			ON SCHEDULE <4
20017	30158	50166	OGE	Line - ARDMORE - ROCKY POINT 69KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$1,400,000		24 months	ON SCHEDULE <4
20017	30162	50170	OGE	Line - SUNNYSIDE - UNIROYAL 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$50,000		12 months	ON SCHEDULE <4
20017	30159	50167	OGE	Line - DILLARD4 - HEALDTON TAP 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$300,000		12 months	ON SCHEDULE <4
20002	396	10514	OGE	Breaker - Bodle 138 kV	regional reliability	10/01/11	06/01/12	02/13/08	\$1,000,000		12 months	ON SCHEDULE <4

20041	709	10946	OGE	Sub - Gracemont	Balanced Portfolio	12/31/11		06/19/09	\$8,000,000		24 months	ON SCHEDULE <4
20029	583	10749	OGE	Multi VBI-Adabell 161 kV	regional reliability	03/31/12	06/01/12	01/27/09	\$4,972,000		12 months	ON SCHEDULE <4
20017	30161	50169	OGE	Line - HUGO - SUNNYSIDE 345KV OKGE	transmission service	04/01/12	04/01/12	01/16/09	\$200,000,000		42 months	ON SCHEDULE <4
20017	30163	50171	OGE	XFR - SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$10,000,000		24 months	ON SCHEDULE <4
20002	397	10515	OGE	Multi - Mustang - Cimarron 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$6,850,000		24 months	ON SCHEDULE <4
20002	397	10516	OGE	Multi - Mustang - Cimarron 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$3,500,000		24 months	ON SCHEDULE <4
20055	523	10668	OGE	Line - Rose Hill - Sooner 345 kV	regional reliability	06/01/12	06/01/12	09/18/09	\$45,000,000		42 months	ON SCHEDULE <4
20041	699	10929	OGE	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12		06/19/09	\$47,200,000		32 months	ON SCHEDULE <4
	809	11063	OPPD	Line - Rebuild Sub 1209 - Sub 1252 161 kV	sponsored	12/31/09			\$4,500,000			ON SCHEDULE <4
	758	11001	OPPD	Line - Rebuild Sub 902 - Sub 983 69 kV	sponsored	02/26/10			\$2,500,000			ON SCHEDULE <4
	609	10924	OPPD	Build New 161 kV Substation Sub 1341	regional reliability	12/31/11	04/01/12		\$16,300,000			ON SCHEDULE <4
	609	10925	OPPD	Line - Sub 1251 - Sub 1341 161kV	regional reliability	12/31/11	04/01/12					ON SCHEDULE <4
	609	10926	OPPD	Line - Sub 1341 - Sub 1305 161kV	regional reliability	12/31/11	04/01/12					ON SCHEDULE <4
	165	10214	SEPC	Line - Phillipsburg - Rhoades 115 kV Ckt 1	sponsored	06/01/10			\$10,500,000			ON SCHEDULE <4
20045	706	10939	SEPC	Line - Spearville - Wolf 345 kV	Balanced Portfolio	06/01/12		06/19/09	\$54,000,000			ON SCHEDULE <4
20056	30223	50227	SJLP	Line - Cook - St Joe 161 kV	transmission service	06/01/11	06/01/11	09/18/09	\$4,400,000		18 months	ON SCHEDULE <4
	591	10758	SPS	Line Roz3 - Amerada Hess Co2 115 kV	sponsored	10/16/09						ON SCHEDULE <4
	592	10759	SPS	Line - Roz3 - Seminole 115 kV	sponsored	10/16/09						ON SCHEDULE <4
20004	155	10199	SPS	XFR - Nichols 230/115 kV	regional reliability	10/15/09	06/01/11	02/13/08	\$6,000,000		24 months	ON SCHEDULE <4
20031	144	10183	SPS	Line - Curry County - North Clovis Conversion	regional reliability	06/01/10	06/01/10	01/27/09	\$200,000		24 months	ON SCHEDULE <4
	315	10407	SPS	Line - Roosevelt County Interchange 115 kV - Curry County Interchange 115 kV	regional reliability	06/01/10	06/01/15		\$200,000		6 months	ON SCHEDULE <4
	342	10439	SWPA	Line - BULL SHOALS - BULL SHOALS 161KV	regional reliability - non OATT	01/01/10	06/01/11		\$2,200,000			ON SCHEDULE <4
20003	311	10401	WFEC	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$2,065,000		12 months	ON SCHEDULE <4
20003	311	10402	WFEC	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$1,601,000		12 months	ON SCHEDULE <4
20003	311	10403	WFEC	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$1,577,000		12 months	ON SCHEDULE <4
20030	616	10794	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$5,765,600		24 months	ON SCHEDULE <4

20030	616	10795	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$5,315,700		24 months	ON SCHEDULE <4
20030	616	10796	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$3,164,000		24 months	ON SCHEDULE <4
20030	616	10797	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$3,937,500		24 months	ON SCHEDULE <4
20030	617	10798	WFEC	Line - Carter Jct-Lake Creek 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$150,000		8 months	ON SCHEDULE <4
20030	135	10799	WFEC	Multi: Lindsay - Lindsay SW and Bradley-Rush Springs lines	regional reliability	06/01/10	06/01/10	01/27/09	\$1,248,750		24 months	ON SCHEDULE <4
20030	135	10173	WFEC	Multi - Lindsay - Lindsay SW and Bradley-Rush Springs	regional reliability	06/01/10	06/01/10	01/27/09	\$2,328,750		24 months	ON SCHEDULE <4
20003	238	10303	WFEC	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	01/01/11	06/01/12	02/13/08	\$8,265,000		12 months	ON SCHEDULE <4
20003	238	10304	WFEC	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	01/01/11	06/01/12	02/13/08			12 months	ON SCHEDULE <4
20003	361	10471	WFEC	Line - Fletcher - Marlow Jct 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$2,000,000		16 months	ON SCHEDULE <4
19951	357	10467	WFEC	XFR - Anadarko 138/69 kV	transmission service	06/01/11	06/01/11	01/02/07	\$2,000,000		16 months	ON SCHEDULE <4
20044	705	10938	WFEC	Tap Anadarko - Washita 138 kV line	Balanced Portfolio	12/31/11		06/19/09	\$200,000			ON SCHEDULE <4
20018	30165	50173	WFEC	Line - HUGO - SUNNYSIDE 345KV WFEC	transmission service	04/01/12	04/01/12	01/16/09	\$2,000,000		36 months	ON SCHEDULE <4
20018	313	10405	WFEC	Line - Valiant - Hugo 345 kV	transmission service	04/01/12	04/01/12	01/16/09	\$18,000,000		24 months	ON SCHEDULE <4
20018	314	10406	WFEC	XFR - Hugo 345/138 kV	transmission service	04/01/12	04/01/12	01/16/09	\$12,000,000		24 months	ON SCHEDULE <4
20003	402	10522	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,125,000		12 months	ON SCHEDULE <4
20003	402	10523	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$7,306,000		24 months	ON SCHEDULE <4
20003	402	10524	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$5,000,000		24 months	ON SCHEDULE <4
20003	399	10519	WFEC	Line - Lindsay - Wallville 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,347,000		12 months	ON SCHEDULE <4
20003	400	10520	WFEC	Line - Pharoah - Weleetka 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$225,000		6 months	ON SCHEDULE <4
20003	401	10521	WFEC	Line - WFEC Russell 138 kV - AEP Altus Jct Tap 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$50,000		6 months	ON SCHEDULE <4
	173	10222	WR	Line - Gill Energy Center West-Peck 69 kV Rebuild	sponsored	06/01/10			\$3,684,740		12 months	ON SCHEDULE <4
20059	182	10231	WR	Line - Chase - White Junction 69 kV	regional reliability	06/01/10	06/01/10	09/18/09	\$5,184,701		12 months	ON SCHEDULE <4
20059	561	10711	WR	Line - Evans - Lakeridge 138 kV ckt 1	transmission service	06/01/10	06/01/10	09/18/09	\$1,575,000		12 months	ON SCHEDULE <4
20059	30228	50235	WR	Line - Chanute Tap - Tioga 69 kV	transmission service	06/01/10	06/01/10	09/18/09	\$115,000		12 months	ON SCHEDULE <4
20059	30229	50237	WR	Line - Coffeyville Tap - Dearing 138 kV CKT 1 WERE #2	transmission service	06/01/10	06/01/10	09/18/09	\$600,000			ON SCHEDULE <4
	328	10425	WR	XFR - Reno(Circle)-Moundridge Project	sponsored	06/01/10			\$1,700,000			ON SCHEDULE <4
20006	328	10424	WR	Line - Reno(Circle) - Moundridge Project 115 kV Rebuild	regional reliability	06/01/10	06/01/10	02/13/08	\$5,800,000		12 months	ON SCHEDULE <4



	262	10345	WR	Line - Reno County-Summit 345 kV ckt 1	sponsored	06/01/10			\$100,618,016		24 months	ON SCHEDULE <4
19964	318	10412	WR	Line - Coffeyville - Dearing 138 kV	transmission service	06/01/10	06/01/10	06/27/07	\$2,819,000		18 months	ON SCHEDULE <4
20059	30224	50238	WR	Line - Green - Vernon 69 kV	transmission service	07/01/10	07/01/10	09/18/09	\$3,335,500		18 months	ON SCHEDULE <4
20033	625	10813	WR	Line - Rebuild Chisolm - Ripley 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$2,255,250		18 months	ON SCHEDULE <4
20033	266	10349	WR	Line - Circle - HEC GT 115 kV Rebuild	regional reliability	06/01/11	06/01/11	01/27/09	\$710,000		18 months	ON SCHEDULE <4
20059	622	10810	WR	Line - Richland - Rose Hill Junction 69 kV	zonal reliability	06/01/11	06/01/11	09/18/09	\$2,815,000		18 months	ON SCHEDULE <4
20006	369	10482	WR	Line - SW Lawrence - Wakarusa 115 kV Rebuild	regional reliability	06/01/11	06/01/11	02/13/08	\$2,000,000		18 months	ON SCHEDULE <4
20006	370	10483	WR	Line - Co-op - Wakarusa	regional reliability	06/01/11	06/01/11	02/13/08	\$760,000		18 months	ON SCHEDULE <4
20059	30230	50241	WR	Line - Neosho - Northeast Parsons 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$250,000		6 months	ON SCHEDULE <4
20059	30231	50242	WR	Line - Sumner County - Timber Junction 138 kV	zonal reliability	06/01/11	06/01/11	09/18/09	\$9,360,000			ON SCHEDULE <4
20059	30224	50245	WR	Line - Vernon - Athens 69 kV	transmission service	01/01/11	01/01/11	09/18/09	\$2,426,500		18 months	ON SCHEDULE <4
20059	30224	50232	WR	Line - Athens - Owl Creek 69 kV	transmission service	04/01/11	04/01/11	09/18/09	\$1,418,500		18 months	ON SCHEDULE <4
20059	30224	50239	WR	Line - Lehigh Tap - Owl Creek 69 kV	transmission service	12/01/11	12/01/11	09/18/09	\$3,811,500		18 months	ON SCHEDULE <4
20059	30224	50228	WR	Line - Allen - Lehigh Tap 69 kV	transmission service	06/01/12	06/01/12	09/18/09	\$2,560,500		12 months	ON SCHEDULE <4
20006	172	10221	WR	Line - Tecumseh Energy Center - Midland 115 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$2,100,000		6 months	ON SCHEDULE <4
	561	10711	WR	Line - Evans - Lakeridge 138 kV ckt 1	regional reliability	06/06/12	06/01/16		\$5,513,000		24 months	ON SCHEDULE <4
20033	491	10636	WR	Line - Bismark - COOP	regional reliability		06/01/09	01/27/09	\$2,085,000		18 months	ON SCHEDULE <4
20000	217	10276	AEP	Line - Tap N. Huntington - Waldron 69 kV	regional reliability	10/20/09	06/01/08	02/13/08	\$776,000		15 months	MITIGATION
20000	218	10277	AEP	Line - Huntington - N Huntington 69 kV	regional reliability	10/20/09	06/01/09	02/13/08	\$20,000		9 months	MITIGATION
20027	480	10617	AEP	Line - Snyder - Snyder 138kV	regional reliability	12/31/10	06/01/09	01/27/09	\$800,000		24 months	MITIGATION
20027	392	10510	AEP	Line - Howell - Kilgore 69 kV	regional reliability	06/01/12	06/01/09	01/27/09	\$4,357,000		18 months	MITIGATION
20011	212	10271	CUS	Line - Norton - Neergard 69 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$1,485,000		24 months	MITIGATION
20036	440	10571	EDE	Line - Diamond Jct - Sarcocie SW 69 kV	regional reliability		06/01/09	01/27/09	\$2,274,000		18 months	MITIGATION
	421	10547	EDE	Line - Sub 124 - Aurora H.T. - Sub 152 - Monett H.T. 69 kV	regional reliability	06/01/10	06/01/09	01/27/09	\$5,000		6 months	MITIGATION

	284	10370	EES	Line - Grandview - Osage	regional reliability - non OATT	06/01/11	06/01/09		\$6,000,000		36 months	MITIGATION
20034	602	10771	GMO	Line - Glenare - Liberty 69 kV	regional reliability	11/01/09	06/01/09	01/27/09	\$80,000		6 months	MITIGATION
20034	601	10768	GMO	Multi - Grandview East - Sampson - Longview 161kV lines	regional reliability	06/01/10	06/01/09	01/27/09	\$50,000		6 months	MITIGATION
20034	635	10832	GMO	Multi - Edmond Substation	regional reliability	07/01/10	04/01/09	01/27/09	\$5,405,930		12-18 months	MITIGATION
20034	650	10854	GMO	Multi - South Harper 161 kV cut-in to Stilwell-Archie Junction 161 kV line	regional reliability	06/01/11	06/01/09	01/27/09	\$2,259,673		18 months	MITIGATION
20034	634	10830	GMO	Multi - Loma Vista - Montrose 161 kV - Tap into K.C. South	regional reliability	11/01/11	06/01/09	01/27/09	\$2,369,625		18 months	MITIGATION
20028	233	10298	GRDA	XFR - Claremore 161/69 kV autos 1 and 2	regional reliability	10/15/09	06/01/09	01/27/09	\$7,200,000		24 months	MITIGATION
20001	301	10388	GRDA	XFR - Sallisaw 161/69 kV Auto #2	regional reliability	06/01/10	06/01/08	02/13/08	\$3,000,000		24 months	MITIGATION
	639	10840	INDN	Line - Blue Valley Plant - Sub M 161 kV	regional reliability - non OATT	06/01/12	10/01/09		\$2,625,000		24 months	MITIGATION
	603	10772	NPPD	Line - NPPD / WERE - Steele City - Kansas Border 115 kV	regional reliability	06/01/10	06/01/09		\$2,200,000		48 months	MITIGATION
20029	354	10463	OGE	Line - Muldrow to 3rd St. 69 kV	regional reliability	06/01/10	06/01/09	01/27/09	\$100,000		12 months	MITIGATION
20029	615	10792	OGE	Multi: Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$1,074,000		18 months	MITIGATION
20029	615	10793	OGE	Multi: Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$4,330,250		18 months	MITIGATION
20007	164	10213	SEPC	Line - WEPL Cimarron Plant - North Cimarron 115 kV	regional reliability	03/01/10	06/01/08	02/13/08	\$1,350,000			MITIGATION
20007	166	10215	SEPC	Line - Holcomb - Plymell 115 kV	regional reliability	10/31/10	06/01/08	02/13/08	\$3,650,000		18 months	MITIGATION
20014	367	10480	SEPC	Line - Plymell - Pioneer Tap 115 kV	regional reliability	10/31/10	06/01/09	09/18/08	\$3,200,000		24 months	MITIGATION
19987	162	10211	SPS	XFR - Lubbock East 115/69 kV #2	regional reliability	11/06/09	06/01/07	02/02/07	\$1,300,000		18 months	MITIGATION
20004	146	10189	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	10/16/09	06/01/08	02/13/08	\$3,891,288		24 months	MITIGATION

20004	146	10190	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	10/16/09	06/01/08	02/13/08	\$3,091,200		24 months	MITIGATION
20004	159	10206	SPS	Line - Plant X Station - Tolk Station West 230 kV	regional reliability	12/31/09	04/01/09	02/13/08	\$56,000		6 months	MITIGATION
20004	246	10314	SPS	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	regional reliability	12/31/09	06/01/09	02/13/08	\$5,000		6 months	MITIGATION
20004	246	10315	SPS	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	regional reliability	12/31/09	06/01/09	02/13/08			6 months	MITIGATION
19987	250	10323	SPS	XFR - Cochran 115/69 kV	regional reliability	12/31/09	06/01/08	02/02/07	\$2,750,000		18months	MITIGATION
19987	250	10324	SPS		regional reliability	12/31/09	06/01/08	02/02/07			18 months	MITIGATION
20031	252	10332	SPS	XFR - Yoakum County Interchange 230/115 kV	regional reliability	11/20/09	06/01/09	01/27/09	\$802,084		24 months	MITIGATION
19987	157	10202	SPS	XFR - Hale Co 115/69 kV	regional reliability	12/31/09	06/01/07	02/02/07	\$2,900,000		18 months	MITIGATION
19987	157	10203	SPS		regional reliability	12/31/09	06/01/07	02/02/07			18 months	MITIGATION
20004	248	10317	SPS	Multi - Wheeler County Project - Tap 230 kV line - Two new XFs - new 115 kV line	regional reliability	06/01/10	06/01/09	02/13/08	\$10,585,000		30 months	MITIGATION
20004	248	10318	SPS		regional reliability	06/01/10	06/01/09	02/13/08			30 months	MITIGATION
20004	248	10319	SPS		regional reliability	06/01/10	06/01/09	02/13/08			30 months	MITIGATION
20031	554	10704	SPS	Multi: Dallam - Channing - Tascosa - Northwest Lines	regional reliability	12/31/10	06/01/09	01/27/09	\$27,452,677		30 months	MITIGATION
20031	554	10705	SPS	Multi - Dallam - Channing - Tascosa - Northwest lines	regional reliability	12/31/10	06/01/09	01/27/09			30 months	MITIGATION
20031	554	10706	SPS	Multi - Dallam - Channing - Tascosa - Northwest lines	regional reliability	12/31/10	06/01/09	01/27/09			30 months	MITIGATION
20031	156	10326	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/31/10	06/01/10	01/27/09	\$16,094,371		48 months	MITIGATION
20004	156	10327	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	04/01/09	02/13/08	\$12,577,500		24 months	MITIGATION
20004	156	10328	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$15,848,000		48 months	MITIGATION

20004	156	10329	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$10,771,825		48 months	MITIGATION
20004	156	10200	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$5,132,829		24 months	MITIGATION
20004	156	10201	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$31,915,701		24 months	MITIGATION
20004	156	10330	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$10,766,250		48 months	MITIGATION
20004	156	10331	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$5,846,295		24 months	MITIGATION
20004	156	10325	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	sponsored	06/01/11		02/13/08	\$11,922,643			MITIGATION
20031	632	10822	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09	\$3,937,500		24 months	MITIGATION
20031	632	10823	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09	\$3,375,000		24 months	MITIGATION
20031	632	10824	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09	\$3,093,750		24 months	MITIGATION
20031	590	10757	SPS	Line - Ocotillo sub conversion 115 kV	regional reliability	06/01/11	06/01/09	01/27/09	\$1,222,843		24 months	MITIGATION
20031	633	10825	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09	\$3,285,000		36 months	MITIGATION
20031	633	10826	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09	\$281,250		36 months	MITIGATION
20031	633	10827	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09	\$281,250		36 months	MITIGATION
20031	633	10828	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09	\$1,350,000		36 months	MITIGATION

20031	696	10829	SPS	Line - Chaves Co - Roswell Int 69/115 kV Voltage Conversion	regional reliability	06/01/11	06/01/09	01/27/09	\$4,716,600			MITIGATION
20004	146	10186	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	06/01/15	06/01/08	02/13/08	\$8,920,699		48 months	MITIGATION
	101	10125	SWPA	XFR - Eufaula 161/138 kV	regional reliability - non OATT	10/01/10	04/01/09		\$3,000,000			MITIGATION
19985	140	10179	WFEC	Line - ACME - W Norman 69 kV	regional reliability	06/01/10	06/01/08	02/02/07	\$912,000		8 months	MITIGATION
20003	138	10176	WFEC	Line - OGE Woodward - WFEC Woodward 69 kV	regional reliability	06/01/10	04/01/09	02/13/08	\$1,050,000		10 months	MITIGATION
20003	241	10307	WFEC	Line - Anadarko - Georgia Tap 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$1,124,000		12 months	MITIGATION
20003	242	10308	WFEC	Line - Elmore - Paoli 69 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$3,240,000		12 months	MITIGATION
20003	243	10309	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$2,753,800		16 months	MITIGATION
20003	243	10310	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$2,250,000		16 months	MITIGATION
20003	243	10311	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$5,000,000		16 months	MITIGATION
20030	239	10305	WFEC	Line - WFEC Snyder - AEP Snyder	regional reliability	12/31/10	06/01/09	01/27/09	\$3,373,000		16 months	MITIGATION
20003	136	10174	WFEC	Line - Meeker - Hammett 138 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$6,674,000		10 months	MITIGATION
20003	137	10175	WFEC	Line - Wakita - Hazelton 69 kV	regional reliability	06/01/10	04/01/09	02/13/08	\$5,378,750		10 months	MITIGATION
19965	253	10335	WR	Line - Jaggard Junction - Pentagon 115 kV Rebuild	transmission service	12/15/09	06/01/09	05/29/07	\$3,168,637		18 months	MITIGATION
19986	180	10229	WR	Line - Stranger Creek - Thornton Street 115 kV Addition	regional reliability	12/01/09	06/01/07	02/02/07	\$9,675,000		12 months	MITIGATION
20006	179	10228	WR	Line - Summit - NE Saline 115 kV	regional reliability	12/01/09	06/01/09	02/13/08	\$6,819,380		18 months	MITIGATION
20006	170	10219	WR	Line - Fort Junction - Anzio 115 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$3,639,327		6 months	MITIGATION
20019	578	10739	WR	Line - Knob Hill - Steele City 115 kV	regional reliability	06/01/10	06/01/09	11/17/08	\$25,751,000		48 months	MITIGATION

20006	330	10426	WR	Multi - Fort Scott - Marmaton/Lichtfield 161kV	regional reliability		06/01/10	02/13/08	\$5,000,000		18 months	MITIGATION
20006	330	10427	WR	Multi - Fort Scott - Marmaton/Lichtfield 161kV	regional reliability		06/01/10	02/13/08	\$2,400,000		18 months	MITIGATION
20019	577	10738	WR	Line - Kelly - Seneca 115 kV	regional reliability	12/01/10	06/01/09	11/17/08	\$5,825,000		24 months	MITIGATION
20006	171	10220	WR	Line - Weaver - Rose Hill 69 kV	regional reliability	12/01/10	06/01/08	02/13/08	\$2,242,907		6 months	MITIGATION
20033	493	10638	WR	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09	\$8,050,000		15 months	MITIGATION
20033	493	10639	WR	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09			15 months	MITIGATION
20006	321	10417	WR	Line - Oaklawn - Oliver 69 kV	regional reliability	06/01/11	06/01/10	02/13/08	\$1,292,500		12 months	MITIGATION
20033	624	10812	WR	Line - Fort Junction - West Junction City 115 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$4,927,500		24 months	MITIGATION
20033	267	10350	WR	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$2,500,000		12 months	MITIGATION
20033	267	10351	WR	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$360,000		12 months	MITIGATION
20033	267	10352	WR	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$1,300,000		12 months	MITIGATION
20033	618	10806	WR	Multi - NW Manhattan	regional reliability	12/01/11	06/01/10	01/27/09	\$17,437,500		24 months	MITIGATION
19964	375	10488	WR	XFR - Rose Hill 345/138 kV #3 Addition	transmission service	06/01/12	06/01/11	06/27/07	\$8,100,000		24 months	MITIGATION
20033	463	10602	WR	Line - East Manhattan - McDowell 115 kV to 230 kV conversion	regional reliability	06/01/12	06/01/10	01/27/09	\$4,100,000		12 months	MITIGATION
20006	410	10536	WR	Line - Circle - Ark Valley - Tower 33 115 kV	regional reliability		06/01/12	02/13/08	\$2,306,250		12 months	MITIGATION
20033	495	10640	WR	Line - Lawrence Hill - Mockingbird 115 kV	regional reliability		06/01/10	01/27/09	\$2,377,448		18 months	RE-EVALUATION
20033	621	10809	WR	Line - E. Manhattan - JEC 230 kV	regional reliability		06/01/10	01/27/09	\$17,085,938		24 months	RE-EVALUATION
20033	623	10811	WR	Line - Timber Junction - Winfield 69 kV	regional reliability	12/31/10	06/01/10	01/27/09	\$7,415,000		24 months	RE-EVALUATION
20033	599	10766	WR	Line - 27th & Croco - Tecumseh Hill 115 kV	regional reliability	12/31/10	06/01/09	01/27/09	\$3,890,000		18 months	RE-EVALUATION
20033	600	10767	WR	Line - 27th & Croco - 41st & California 115 kV	regional reliability	12/31/11	06/01/09	01/27/09	\$3,227,500		24 months	RE-EVALUATION
20027	443	10575	AEP	Line - Osborne - Osborne Tap	regional reliability	06/01/13	06/01/13	01/27/09	\$2,000,000		24 months	ON SCHEDULE >4
20027	477	10614	AEP	Line - Baldwin - Karnack Tap	regional reliability	06/01/13	06/01/13	01/27/09	\$6,900,000		24 months	ON SCHEDULE >4
20000	450	10584	AEP	Multi - Flint Creek - Centerton 345 kV and Centerton-East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$11,000,000		48 months	ON SCHEDULE >4
20000	450	10585	AEP	Line - Flint Creek to Shipe Road 345 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$30,000,000		60 months	ON SCHEDULE >4
20000	450	10582	AEP	Line - Shipe Road - East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$9,000,000		60 months	ON SCHEDULE >4

20027	649	10853	AEP	Line - Lone Star-Locus Grove 115 kV	regional reliability	06/01/14	06/01/14	01/27/09	\$2,150,000		24 months	ON SCHEDULE >4
20000	511	10656	AEP	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$11,000,000		60 months	ON SCHEDULE >4
20000	511	10659	AEP	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$24,500,000		60 months	ON SCHEDULE >4
20000	511	10660	AEP	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$65,500,000		60 months	ON SCHEDULE >4
20057	539	10687	CUS	Line - Brookline - Junction 161 kV	transmission service	06/01/13	06/01/13	09/18/09	\$120,000		12 months	ON SCHEDULE >4
20036	202	10258	EDE	Line - Sub 436 - Webb City Cardinal - Sub 110 - Oronogo Jct. 1 69 kV	regional reliability		06/01/14	01/27/09	\$400,000		12 months	ON SCHEDULE >4
20036	537	10685	EDE	Line - Sub 383 - Monett 161 kV - Monett 5 161 kV	regional reliability	06/01/15	06/01/15	101/27/09	\$7,369,319		48 months	ON SCHEDULE >4
20036	537	10686	EDE	XFR - Monett 5 161 kV - Monett City South 69 kV	regional reliability	06/01/15	06/01/15	101/27/09	\$8,000,000		36 months	ON SCHEDULE >4
20036	203	10259	EDE	Line - Sub 109 - Atlas Jct. - Sub 108 - Carthage Northwest 1 69 kV	regional reliability		06/01/18	01/27/09	\$1,277,935		18 months	ON SCHEDULE >4
20034	646	10847	GMO	XFR - Clinton 161/69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$2,000,000		12-18 months	ON SCHEDULE >4
20042	703	10935	KCPL	Line - Iatan - Nashua 345 kV	Balanced Portfolio	06/01/15		06/19/09	\$54,444,000			ON SCHEDULE >4
20042	703	10945	KCPL	XFR - Nashua 345/161 kV	Balanced Portfolio	06/01/15		06/19/09	\$4,620,000			ON SCHEDULE >4
20009	379	10492	KCPL	Line - Hillsdale - Cedar Niles 161 kV	zonal reliability	06/01/15	06/01/13	02/13/08	\$5,418,700		24 months	ON SCHEDULE >4
20046	707	10940	MIDW	Line - Spearville - Wolf 345 kV	Balanced Portfolio	06/01/13		06/19/09	\$42,000,000			ON SCHEDULE >4
20046	707	10943	MIDW	Line - Wolf - Axtell 345 kV	Balanced Portfolio	06/01/13		06/19/09	\$66,000,000			ON SCHEDULE >4
20032	697	10914	MIDW	Multi: Hutchinson Energy Center - Huntsville - St. John 115 kV Rebuild	regional reliability		06/01/15	01/27/09	\$12,487,500		36 months	ON SCHEDULE >4
20047	708	10942	NPPD	Line - Knoll - Axtell	Balanced Portfolio	06/01/13		06/19/09	\$71,377,000			ON SCHEDULE >4
20041	700	10930	OGE	Line - Seminole - Muskogee 345 kV	Balanced Portfolio	12/31/13		06/19/09	\$131,000,000		40 months	ON SCHEDULE >4
20041	700	10931	OGE	XFR - Seminole 345/138 kV	Balanced Portfolio	12/31/13		06/19/09	\$4,000,000		22 months	ON SCHEDULE >4
20029	642	10843	OGE	Line Kilgore - VBI 69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$10,000		9 months	ON SCHEDULE >4
20041	701	10932	OGE	Line - Tuco - Woodward 345 kV line	Balanced Portfolio	05/19/14		06/19/09	\$105,000,000		40 months	ON SCHEDULE >4
20041	701	10933	OGE	XFR - Woodward 345 kV and a 50 MVAR reactor bank	Balanced Portfolio	05/19/14		06/19/09	\$15,000,000		24 months	ON SCHEDULE >4
	551	10837	OGE	Multi-3rd-Massard convert 69-161kV	regional reliability	06/01/16	06/01/17		\$2,200,000		24 months	ON SCHEDULE >4
	551	10701	OGE	Multi-3rd-Massard convert 69-161kV	regional reliability	06/01/16	06/01/17		\$2,850,000		24 months	ON SCHEDULE >4
20002	518	10663	OGE	Line - HSL East - HSL West 69 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$250,000		12 months	ON SCHEDULE >4
20017	30160	50168	OGE	XFR - FT SMITH 500 (FTSMITH3) 500/161/13.8KV TRANSFORMER CKT 3	transmission service	06/01/17	06/01/17	01/16/09	\$11,000,000		18 months	ON SCHEDULE >4

20017	30164	50172	OGE	Line - VBI - VBI NORTH 69KV CKT 1	transmission service	06/01/17	06/01/17	01/16/09	\$100,000		9 months	ON SCHEDULE >4
20004	247	10316	SPS	Line - Curry County Interchange-Farmers Electric REC-Clovis 115 kV	regional reliability	-		02/13/08	\$5,000		6 months	ON SCHEDULE >4
20043	704	10936	SPS	Line - Tuco - Woodward 345 kV line	Balanced Portfolio	05/19/14		06/19/09	\$122,597,500			ON SCHEDULE >4
20043	704	10937	SPS	XFR - Tuco transformer and Mid-point Reactor Station	Balanced Portfolio	05/19/14		06/19/09	\$26,130,000			ON SCHEDULE >4
20031	151	10195	SPS	XFR - Tuco 115/69 kV	regional reliability		06/01/18	01/27/09	\$1,260,000		24 months	ON SCHEDULE >4
20031	153	10197	SPS	XFR - Potash Junction Interchange 115/69 kV	regional reliability		06/01/18	01/27/09	\$600,000		24 months	ON SCHEDULE >4
20059	529	10674	WR	Line - Rose Hill - Sooner 345 kV	regional reliability	01/01/13	01/01/13	09/18/09	\$84,669,696		36 months	ON SCHEDULE >4
20033	643	10844	WR	Line - Twin Valley - Altamont - Neosho 138 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$4,000,000		18 months	ON SCHEDULE >4
20033	533	10678	WR	XFR - Auburn Road 230/115 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$12,622,500		36 months	ON SCHEDULE >4
20033	645	10846	WR	XFR - 17th Street 138/69 kV second transformer	regional reliability	06/01/13	06/01/13	01/27/09	\$3,375,000		24 months	ON SCHEDULE >4
20059	30224	50240	WR	Line - Lehigh Tap - United No. 9 Conger 69 kV	transmission service	11/01/13	11/01/13	09/18/09	\$593,775		12 months	ON SCHEDULE >4
20059	30224	50234	WR	Line - Burlington Junction - Wolf Creek 69 kV	transmission service	01/01/13	01/01/13	09/18/09	\$1,945,000		24 months	ON SCHEDULE >4
20059	30224	50233	WR	Line - Burlington Junction - Coffey County No. 3 Westphalia 69 kV	transmission service	07/01/13	07/01/13	09/18/09	\$3,340,000		24 months	ON SCHEDULE >4
20059	30224	50236	WR	Line - Coffey County No. 3 Westphalia - Green 69 kV	transmission service	04/01/14	04/01/14	09/18/09	\$4,249,000		24 months	ON SCHEDULE >4
20059	563	10713	WR	Multi - Litchfield - Aquarius - Hudson Jct. 69 kV Uprate	transmission service	06/01/14	06/01/14	09/18/09	\$75,000		12 months	ON SCHEDULE >4
20033	534	10679	WR	XFR - Halstead South 138/69 kV #1	regional reliability	06/01/14	06/01/14	01/27/09	\$1,400,000		24 months	ON SCHEDULE >4
20033	652	10857	WR	Line - Hutchinson Energy Center - Huntsville 115 kV Rebuild	regional reliability	06/01/15	06/01/15	01/27/09	\$12,487,500		36 months	ON SCHEDULE >4
20033	169	10218	WR	Line - Chapman - Clayton Center 115 kV Uprate	regional reliability	06/01/17	06/01/17	01/27/09	\$10,000		12 months	ON SCHEDULE >4



## SPP 4th Quarter 2009 Project Tracking List - Device

<b>COMPLETE</b>	Complete.
<b>ON SCHEDULE &lt;4</b>	On Schedule 4 Year Horizon.
<b>ON SCHEDULE &gt;4</b>	On Schedule beyond 4 Year Horizon.
<b>MITIGATION</b>	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
<b>RE-EVALUATION</b>	Behind schedule, require re-evaluation due to anticipated load forecast changes.
<b>DELAY- NO MITIGATION</b>	Delayed beyond the RTO Determined need date and no mitigation plan provided
<b>\$ / months</b>	Project lead time and cost estimated by SPP staff

Project types "sponsored" and "regional reliability - non OATT" do not receive NTCs and are not filed at FERC but are being tracked because they are expected to be built in the near term

NTC_ID	PID	UID	Area	Project Owner	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Cost Estimate	Final Cost	Project Lead Time	Project Status
	30085	50091	546	CUS	Device - Mentor Substation	sponsored	09/25/09			\$1,800,000		24 months	COMPLETE
20003	30037	50043	525	WFEC	Device - Sweet Water Cap 69 kV	regional reliability	03/01/08	06/01/08	02/13/08	\$243,000		10 months	COMPLETE
20003	30043	50049	525	WFEC	Device - Twin Lakes Cap 69 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$108,000			COMPLETE
19985	30012	50018	525	WFEC	Device - Rush Springs 69 kV	regional reliability	11/01/08	06/01/06	02/02/07	\$90,000		8 months	COMPLETE
20003	30036	50042	525	WFEC	Device - Marietta Cap 138 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$675,000		12 months	COMPLETE
20003	30044	50050	525	WFEC	Device - Gypsum Cap 69 kV	regional reliability	04/01/09	04/01/08	02/13/08	\$150,000		12 months	COMPLETE
19986	30023	50029	536	WR	Device - Parsons	regional reliability	01/07/08	06/01/07	02/02/07	\$949,847		14 months	COMPLETE
	30029	50035	520	AEP	Figure Five	sponsored	11/01/09			\$873,000			ON SCHEDULE <4
	30170	50178	520	AEP	Delivery point- Hull	sponsored	10/31/09			\$654,000		15 months	ON SCHEDULE <4
	30070	50076	520	AEP	Sugar Loaf	sponsored	12/01/12			\$500,000			ON SCHEDULE <4
20036	30067	50073	544	EDE	Device - Quapaw Cap 69 kV	regional reliability	12/01/09	06/01/18	01/27/09	\$1,500,000		18 months	ON SCHEDULE <4
20053	30221	50225	540	GMO	Device - Ralph Green 161 kV Capacitor	regional reliability	06/01/10	06/01/10	09/18/09	\$486,000		12 months	ON SCHEDULE <4
20053	30220	50224	540	GMO	Device - Blue Springs East 161 kV Capacitor	regional reliability	06/01/11	06/01/11	09/18/09	\$1,400,000		18 months	ON SCHEDULE <4
	30171	50179	523	GRDA	Device - Chelsea 69 kV Cap	sponsored	10/15/09			\$586,000		12 months	ON SCHEDULE <4
20001	30086	50092	523	GRDA	Device - Jay Cap 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$800,000		18 months	ON SCHEDULE <4
20028	30074	50080	523	GRDA	Device - Tahlequah West 69 Cap kV	regional reliability	07/01/12	06/01/09	01/27/09	\$779,000		12 months	ON SCHEDULE <4
20051	30217	50221	541	KCPL	Device - Craig 161 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$50,000		18 months	ON SCHEDULE <4
20032	30176	50184	531	MIDW	Device - Kinsley Capacitor 115 kV	regional reliability	06/01/11	06/01/11	01/27/09	\$225,000		18 months	ON SCHEDULE <4
20007	30090	50096	539	MKEC	Device - Russell 115 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$750,000		12 months	ON SCHEDULE <4

20007	30098	50104	539	MKEC	Device - Plainville Cap 115 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,500,000		12 months	ON SCHEDULE <4
	304	50148	524	OGE	Device - Madill Industal 138 kV	sponsored	03/01/11			\$264,000		12 months	ON SCHEDULE <4
20058	30104	50110	534	SEPC	Device - N Cimarron 115 kV	regional reliability	06/01/12	06/01/12	09/18/09	\$1,000,000		18 months	ON SCHEDULE <4
20003	30079	50085	525	WFEC	Device - Carter Cap 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$324,000		12 months	ON SCHEDULE <4
19985	30041	50047	525	WFEC	Device - Comanche	regional reliability	06/01/12	06/01/12	02/02/07	\$350,000		12 months	ON SCHEDULE <4
20003	30093	50099	525	WFEC	Device - Latta Cap 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$324,000		12 months	ON SCHEDULE <4
20003	30094	50100	525	WFEC	Device - Mustang Cap 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$162,000		12 months	ON SCHEDULE <4
20033	30173	50181	536	WR	Device - Walnut Street Capacitor	zonal reliability	12/01/09	06/01/09	01/27/09	\$580,000		18 months	ON SCHEDULE <4
19986	30082	50088	536	WR	Device - 3rd & VanBuren	regional reliability	06/01/10	06/01/11	02/02/07	\$500,000		18 months	ON SCHEDULE <4
20059	30232	50243	536	WR	Device - Timber Jct 138 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$1,215,000			ON SCHEDULE <4
20059	30233	50244	536	WR	Device - Tioga 69 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$607,500		12 months	ON SCHEDULE <4
20059	30225	50229	536	WR	Device - Allen 69 kV Capacitor	transmission service	06/01/12	06/01/12	09/18/09	\$607,500		12 months	ON SCHEDULE <4
20006	30096	50102	536	WR	Device - Eudora Cap 115 kV	zonal reliability	06/01/12	06/01/12	02/13/08	\$580,000		18 months	ON SCHEDULE <4
20010	30078	50084	544	EDE	Device - Riverside Sub Cap 161kV	zonal reliability	12/01/10	06/01/09	02/13/08	\$2,600,000		24 months	MITIGATION
20034	30174	50182	540	GMO	Device - Craig 69 kV Capacitor	regional reliability		06/01/09	01/27/09	\$350,000		12 months	MITIGATION
20028	30072	50078	523	GRDA	Device - Afton Cap 69 kV	regional reliability	06/01/10	06/01/09	01/27/09	\$800,000		18 months	MITIGATION
20009	30077	50083	541	KCPL	Device - Craig Cap 161 kV	zonal reliability	06/01/10	06/01/08	02/13/08	\$1,057,630		12 months	MITIGATION
20007	30061	50067	539	MKEC	Device - Pratt Cap 115 kV	regional reliability	03/01/10	06/01/08	02/13/08	\$1,350,000			MITIGATION
20054	30062	50068	539	MKEC	Device - Harper Cap 138 kV	regional reliability	05/01/10	10/01/09	02/13/08	\$1,100,000		12 months	MITIGATION
20030	30172	50180	525	WFEC	Device Eagle Chief 69 kV Capacitor	regional reliability	06/01/10	06/01/09	01/27/09	\$300,000		12 months	MITIGATION
19986	30057	50063	536	WR	Device - Nortonville 69 kV Cap	regional reliability	06/01/10	06/01/07	02/02/07	\$715,000		18 months	MITIGATION
20033	30128	50134	536	WR	Device - Rock Creek 69 kV Capacitor	zonal reliability		06/01/09	01/27/09	\$427,000		18 months	RE-EVALUATION
20033	30060	50066	536	WR	Device - Sunset 69 kV Capacitor	zonal reliability	12/01/09	06/01/09	01/27/09	\$1,220,913		18 months	DELAY-NO MITIGATION

20006	30056	50062	536	WR	Device - Seneca Cap 115 kV	zonal reliability	06/01/10	06/01/08	02/13/08	\$588,600		18 months	DELAY- NO MITIGATION
20034	30076	50082	540	GMO	Device - Warsaw 2 69 kV Capacitor	regional reliability		06/01/13	01/27/09	\$409,900		12 months	ON SCHEDULE >4
20028	30177	50185	523	GRDA	Device - Tahlequah West #2 Capacitor	regional reliability		06/01/13	01/27/09	\$291,600		12 months	ON SCHEDULE >4
20030	30178	50186	525	WFEC	Device - Electra 69 kV Capacitor	regional reliability	06/01/13	06/01/13	01/27/09	\$240,000		12 months	ON SCHEDULE >4
20030	30039	50045	525	WFEC	Device - Esquandale Cap 69 kV	regional reliability	06/01/14	06/01/14	01/27/09	\$243,000		12 months	ON SCHEDULE >4
20006	30105	50111	536	WR	Device - Springhill Cap 115 kV	zonal reliability	06/01/13	06/01/13	02/13/08	\$1,000,000		18 months	ON SCHEDULE >4
20059	30227	50231	536	WR	Device - Athens 69 kV Capacitor	transmission service	06/01/13	06/01/13	09/18/09	\$607,500		12 months	ON SCHEDULE >4
20059	30226	50230	536	WR	Device - Altoona East 69 kV Capacitor	transmission service	06/01/14	06/01/14	09/18/09	\$607,500		18 months	ON SCHEDULE >4