

REGULAR MEETING
Monday, January 26, 2009
1:00 - 5:00 p.m.
Marriott Las Colinas, Irving, TX

1. CALL TO ORDER
2. PRELIMINARY MATTERS
 - a. Declaration of a Quorum
 - b. Adoption of October 27, 2008 Minutes
3. UPDATES
 - a. RSC Financial Report
 1. Approval of the 2008 RSC Auditor
 - b. Other RSC Officer Reports
 - c. FERC
 - d. SPP
4. BUSINESS MEETING
 - a. CAWG Report Dr. Mike Proctor
 1. Status Report Concerning the Balanced Portfolio
 2. Relationship of EHV 765kV Overlay to Balanced Portfolio
 - b. Future Markets Cost/Benefit Study Overview and ResultsRoy True
 - c. Transmission Planning Update (STEP, EHV, etc.)..... Les Dillahunty/Jay Caspary
 - d. SPP Stakeholder and Board of Directors Survey Results..... Michael Desselle
5. SCHEDULING OF NEXT REGULAR MEETING, SPECIAL MEETINGS OR EVENTS
6. ADJOURNMENT

* The 1st Quarter Project Tracking Report will be included in the background material.



**Southwest Power Pool
REGIONAL STATE COMMITTEE**

Marriott Tulsa Southern Hills, Tulsa, OK

October 27, 2008

• M I N U T E S •

Administrative Items:

Members in attendance or represented by proxy were:

- 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 (MPSC)
- Barry Smitherman, Public Utility Commission of Texas (PUCT)
- Paul Suskie, Arkansas Public Service Commission (APSC)

President King called the meeting to order at 1:05 p.m. He asked for a moment of silence for Brian Moline (KCC), a charter member of the RSC who has recently passed away. He then asked for a round of applause to recognize Julie Parsley for her past work as President of the RSC. He also expressed his appreciation to the Nebraska Power Review Board for being in attendance. There was a round of introductions and a quorum was declared. There were 85 in attendance (Attendance & Proxies – Attachment 1).

Vice President King asked for adoption of the July 28, 2008 meeting minutes (RSC Minutes 7/28/08 - Attachment 2). **Jeff Cloud moved to approve the minutes as amended and Paul Suskie seconded the motion. The minutes were approved unanimously.**

Updates

RSC Financial Report

Les Dillahunty provided the RSC Financial Report (Financial Report – Attachment 3). Mr. Dillahunty reported that the RSC was within budget for travel expenses, and under budget for meeting and administrative costs, and under budget for the Future Markets Cost/Benefits Study.

Other RSC Officer Reports

There were no other officer reports.

FERC Update

After introducing Penny Murrell, OEMR Central Director of FERC, Patrick Clarey provided the FERC report. At the September open meeting, the Commission:

- Finalized a rule requiring all tariff filings by public utilities, natural gas pipelines and oil pipelines be made electronically. Implementation of this requirement will begin in 18 months to permit sufficient time for software development.
- Conditionally granted incentive rates for the New York Regional Interconnect project subject to the New York Public Service Commission's determination that the project either ensures reliability or reduces congestion and approves siting for the project.

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- Approved an experimental plan by a group of Western transmission providers for a two-year experimental regional transmission pricing initiative intended to encourage more efficient use of the grid and reduce customer costs by expanding access to coordinated transmission service from multiple transmission providers.

Also in September, the Commission approved notationally SPP's request for waiver of the Commission's requirement that SPP perform an audit of its independence from market participants in light of the Commission's on-going audit exploring similar issues.

At the October open meeting, the Commission:

- Approved SPP's cost allocation proposal to establish a process for including a balanced portfolio of economic upgrades in the transmission expansion plan and to recover the cost of those upgrades through a regional postage-stamp rate.
- Approved incentive rates for major transmission projects in the Western United States and Maine.
- Finalized regulations to strengthen and improve organized wholesale market operations. The final rule generally tracks the proposals outlined in the February 2008 NOPR. These include directing the RTOs to implement rules to foster demand response participation in the markets, facilitate long-term power contracting, strengthen market monitoring and ensure responsiveness to customers and stakeholders.

Also in October, the Commission held a technical conference regarding barriers to transmission development. The purpose of the conference was to hear from transmission developers, transmission owners and others on the issues they encounter when trying to build transmission.

Other FERC-related events:

On September 22, 2008 the United States Government Accountability Office (GAO) released their report on FERC's oversight of RTOs. The GAO found that RTO expenses vary considerably depending on the size of the RTO and the functions it carries out. Additionally the Report noted that RTOs and FERC rely heavily on the participation and views of stakeholders when evaluating RTO expenses and decisions that may affect electricity prices. The GAO stated that FERC, industry participants and experts lack consensus on whether RTOs have brought benefits to their regions that outweigh their costs. In light of these, GAO recommends that FERC develop an approach for regularly reviewing RTO budgets and annual financial reports, and develop and report on standardized measures that track RTO performance.

FERC may look to the RTOs/ISOs in the context of the IRC as a platform to begin to discuss how to develop the performance metrics.

Senior staff from OEMR continue their participation in ongoing outreach to the state commissions covered under classic SPP RTO as well as the SPP ICT arrangement with Entergy and the SPP ITO arrangement with EON. Staff plans informal meetings in connection with the NARUC meeting in New Orleans next month with states covered under the ICT arrangement.

SPP Update

Nick Brown provided an SPP update:

- On October 16 FERC issued an order approving SPP's Balanced Portfolio. Earlier FERC approved SPP's Base Plan Funding. Mr. Brown asked for a round of applause for all who participated as this effort has set a blueprint on the national level. Now the task ahead is to create a balanced portfolio and go above and beyond the conservative approach for transmission.
- The General Accounting Office (GAO) audit has consumed much of the Staff's time. It has determined that RTOs need more oversight regarding finances and performance. SPP is striving to

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keep transparency foremost.

- SPP has filed the Nebraska entities Membership Agreements with FERC. The Nebraska entities will transfer their transmission facilities to the SPP Tariff on April 1, 2009. Due to expansion of the SPP footprint, the SPP Administrative Fee will drop to 17¢ in 2009.
- In the FERC Final Rule regarding wholesale competition in regions with organized electric markets, Mr. Brown cited excerpts from paragraph 164: “With regard to SPP’s comment that there is no retail access state within SPP, the Commission notes that its ARC (aggregator of retail customers) requirements are not limited to aggregation of retail customers who have retail choice.” ... “Nor will we decide whether a regulator of a traditional, vertically-integrated monopoly utility may give permission for an ARC to aggregate customers’ demand responses for bidding into SPP’s markets.” Now and moving forward there is a possibility that retail load will try to bid into wholesale markets. SPP will inform wholesale providers of the retail customers indicated interest.

SPP Regional Entity Trustees

Gerry Burrows (RE Trustee) provided an update of the group’s activities:

- There have been 60 enforceable violations as of October 16, 2008 of which 95% are either self certified or self reported. The top six violations fall inline with the top seven NERC violations which include:
 - Protection System Maintenance and Testing
 - Facility rating Methodology
 - Protections System Misoperations Analysis
 - Establish and Communicate Facility ratings
 - Sabotage Reporting
 - Generator Operations/System Voltage Support
- 2009 audit schedule which includes 21 combined on and off site audits
- SPP RE FERC audit
- SPP RE Fall Compliance Workshop September 23 – 24, 2008 was in Tulsa, OK. The next workshop will be held February 24-26 in Little Rock.
- RE conducted a survey of registered entities with approximately 50% participation and an overall favorable response. RE has hired a Lead Compliance Engineer which should help address an area identified as needing improvement, “resolving problems in a timely manner.”
- NERC Readiness Evaluations will continue per FERC order on the NERC 2009 NERC budget which directed NERC to continue funding the program.

Annual Meeting Business

Election of Officers

President King stated that it was time for the annual election of officers for 2009 and asked for nominations. **Jeff Davis nominated David King to serve as President. Mike Moffet seconded the motion which passed unanimously. President King nominated Mike Moffet to serve as Vice President. Jeff Davis seconded the motion which passed unanimously. Mike Moffet nominated Jeff Davis to serve as Secretary/Treasurer. Jeff Cloud seconded the motion which passed unanimously.**

Approval of 2009 & 2010 Budgets

Les Dillahunt reviewed the 2009 and 2010 Budgets (2009 – 2010 Budgets – Attachment 4). Mike Moffet initiated a discussion on the possible use of NRR1 to assist the staffs of the state regulatory commissions and SPP on matters of interest to the SPP RSC and the RSCs of MISO and PJM. It was decided that this should not be an addition to the 2009 budget but that the proposed budget provided for unspecified consulting expense at the direction of the RSC. **Paul Suskie moved to approve the 2009 and 2010 Budgets as presented. Jeff Davis seconded the motion which passed unanimously.**

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Annual Audit Review and Discussion

Sam Loudenslager provided a review of the 2007 Audit performed by Patricia Solomon, the same person used for the 2006 Audit (2007 Audit – Attachment 5). He stated that the audit showed some inconsistencies in mileage rate and a lack of receipts submitted for reimbursements. Mr. Dillahunty suggested that the Travel Policy could be amended to not require receipts for expenditures under \$25 which is the SPP policy. Following discussion, it was decided that receipts would be required for all reimbursements. Mr. Dillahunty stated that the mileage reimbursement rate is 58.5¢ per mile and that expenses should include miles traveled.

Jeff Cloud moved to approve the 2007 Audit. Mike Moffet seconded the motion which passed unanimously.

Business Meeting

Joint Coordinated System Plan Update

Jay Caspary (SPP) provided an update on the Joint Coordinated System Plan (JCSP Update – Attachment 6). Mr. Caspary encouraged everyone to visit the website at www.jcspstudy.org.

Cost Allocation Working Group (CAWG) Report

Mike Proctor presented the CAWG report (CAWG Presentation – Attachment 7). Dr. Proctor reviewed waiver requests from the City of Coffeyville and Westar. CAWG recommends approval of the City of Coffeyville waiver due to the length of the request in the estimated amount of \$1.6 million. CAWG also recommends approval of the Westar waiver in line with the RSC policy. **Mike Moffet moved to approve both waivers. Jeff Davis seconded the motion which passed unanimously.**

Dr. Proctor reviewed the Balanced Portfolio initiative looking at current, medium and high wind portfolios. The CAWG will discuss future analysis, higher wind analysis, 765kV construction/operation, impact on the reliability plan, and determine the leading portfolio at the December meeting.

Dr. Proctor reviewed the EHV Overlay Concepts Paper. Components to discuss with state commissions are: specification of day driver variables, type of analysis to be used, and specification of the best resource strategies. Dr. Proctor requested feedback for the January meeting.

Unintended Consequences Analysis for the 2007 STEP

Jay Caspary provided a review of the Unintended Consequences Analysis for the 2007 STEP (Unintended Consequences Analysis – Attachment 8). According to Attachment J of the SPP Tariff: “For each SPP Transmission Expansion Plan, the Transmission Provider shall calculate the cost allocation impacts of the Base Plan Upgrades to each Transmission Customer within the SPP Region. The results will be reviewed for unintended consequences by the Regional Tariff Working Group and reported to the Markets and Operations Policy Committee and Regional State Committee.” The Staff’s conclusion supports a finding of no “unintended consequences” with respect to the MW-mile analysis associated with the 2008 - 2011 projects eligible for base plan funding in the STEP. **Mike Moffet moved to endorse these findings. Paul Suskie seconded the motion which passed unanimously.**

Electric Transmission America, OG&E Energy and Westar Energy 765 kV Overview and Cost/Benefit Study

John Stough introduced Ralph Luciani of Charles Rivers and Associates to present the 765 kV overview and cost/benefit study (765 kV Overview Presentation – Attachment 9). Mr. Luciani presented an analysis of the first two loops of the SPP EHV Overlay and Transmission Expansion addressing: the need for an EHV System solution, proven performance of the 765 kV System, and 756kV facts.

Future Markets Cost/Benefit Study Results

Roy True (ACES Power Marketing) presented the Future Markets Cost/Benefit Study results (Study for future Market Design – Attachment 10). A written report will be submitted to the Market Working Group for review and a recommendation made to the Markets and Operations Policy Committee (MOPC) for the January meetings. Additional information will be presented at the January RSC meeting.

SPP Strategic Plan Update

Michael Desselle (SPP) provided an update on the SPP Strategic Plan which reflects a 5 – 10 year planning

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horizon. The Strategic Planning Committee is in the process of finalizing language for the 2008 Strategic Plan restructuring it to include: Communication and Education; Membership Development/Expansion; Transmission Expansion; Market Development and Design; and Reliability Compliance – SPP Regional Entity. The final plan will be presented to the MOPC, the RSC and then the Board of Directors for approval in January 2009.

Scheduling of Next Regular Meeting, Special Meetings or Events:

President King noted that the next regularly scheduled meeting is on January 26 in Dallas, TX.

With no further business, the meeting was adjourned.

Respectfully Submitted,

Les Dillahunty

Regional State Committee
For the Twelve Months Ending December 31, 2008
Budget vs. Actual

	<u>YTD Actuals</u>	<u>YTD Budget</u>	<u>Variance</u>	
Income				
Other Income	800,277	703,017	97,260	(A)
Total Income	800,277	703,017	97,260	
Expense				
Travel	60,596	66,000	(5,404)	
Meetings	3,972	52,800	(48,828)	
Audit	1,143	1,050	93	
Administrative Costs	112	1,500	(1,388)	
Cost Benefit Studies	734,454	581,667	152,787	
Total Expense	800,277	703,017	97,260	
Net Income (Loss)				
	-	-	-	

SPP 1st Quarter 2009 Project Tracking List - Branch_Xfr

Blue	Complete.
Green	On Schedule 4 Year Horizon.
Green	On Schedule beyond 4 Year Horizon.
Yellow	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
Red	Delayed beyond the RTO Determined need date and no mitigation plan provided.
\$ /months	Project lead time and cost estimated by SPP staff
R	Reliability project that SPP Recommends to the BOD for Authorization to Construct
R2	Reliability project not within budgeting cycle
PL	Transmission Owner Planned Project
NC3	Transmission Owner Planned Project for NERC TPL-003_0
OC-R	Out of Cycle Reliability project
RN	Reliability project not under SPP tariff
EU	Economic Upgrade
GI	Generation Interconnect
IA	Interconnection Agreement
TS	Transmission Service with signed contract
PT	Project Tracking

NTC_ID	PID	UID	Area	Project Name	Project type EXP	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	Project Status Comments
SPP Tariff Projects													
Year 2006													
	3	10003	520	Line - Okmulgee - Weleetka 138 kV Ckt 1	TS	04/01/06	04/01/06	03/31/06	\$84,000				
	4	10004	520	Line - East Central Henryetta - Okmulgee 138kV	TS	04/01/06	04/01/06	03/31/06	\$180,000				
19999	5	10005	520	Line - Rock Hill - Carthage REC 138 kV	R	06/01/06	06/01/05	02/02/07	\$4,370,000				
19999	6	10006	520	Line - Tontitown - Elm Springs REC 161 kV	R	05/01/06	05/01/07	02/02/07	\$640,000				
19999	7	10007	520	Line - Carthage REC - Carthage T 138 kV	R	06/01/06	06/01/07	02/02/07	\$1,590,000				
19999	8	10008	520	Line - Lone Star South - Pittsburg 138 kV	R	06/01/06	06/01/06	02/02/07	\$50,000				
	9	10009	520	Line - Finney Tap - Port Robson 69kV	PL	12/31/06	-	-	\$6,230,000				
19999	10	10010	520	Line - Pittsburg - Winnboro 138 kV	R	09/01/06	06/01/04	02/02/07	\$18,220,000				
	11	10011	524	Line - Cottonwood Creek - Skyline 138 kV Ckt 1	PL	06/30/06	06/30/06	-	\$154,603				
	12	10012	524	Line - Redbud - Arcadia	EU	05/15/06	05/15/06	-	\$1,609,082				
19996	13	10013	524	Line - Reno - Sunny Lane 69 kV	R	06/01/06	06/01/06	02/02/07	\$67,511				
19996	14	10014	524	Line - Van Buren AVE/C - VBI 69 kV	R	06/01/06	06/01/06	02/02/07	\$107,114				
19996	15	10015	524	Line - Brown - Explorer Tap 138 kV Ckt 1	TS	06/01/06	06/01/06	02/02/07	\$31,518				
19996	16	10016	524	Line - Richards Tap - Richards 138 kV	R	06/01/06	06/01/06	02/02/07	\$2,760,215				
	17	10017	524	Line - Bristow - Keystone West 138 kV	PL	01/01/06	-	-	\$554,254				
	18	10018	524	Line - Tarby - Breaker Failure	PL	08/31/06	-	-	\$1,136,503				
	19	10019	524	Line - Woodward District - Iodine 138 kV	PL	12/01/06	-	-	\$7,970,364				
19996	20	10020	524	Line - NE Enid - Glenwood 138 kV	R	12/31/06	12/31/06	02/02/07	\$3,882,549				
19987	21	10021	526	XFR - Denver City 115/69 kV	R	12/01/06	06/01/06	02/02/07	\$3,000,000	\$2,670,460			
19987	21	10022	526	XFR - Denver City 115/69 kV	R	12/01/06	06/01/06	02/02/07	\$3,000,000	\$2,670,460			
19986	22	10023	536	Line - Cities Service - 3rd & VanBuren 69 kV	R	12/01/07	06/01/06	02/02/07	\$1,700,000	\$1,426,629			
19986	23	10024	536	Line - Circle - Hutchinson Energy Center 115 kV	R	12/01/07	06/01/06	02/02/07	\$300,000	\$214,606			
19986	24	10025	536	Line - Midwest Solvent Junction 1 - Atchison Junction 2 69 kV	R	01/01/07	06/01/06	02/02/07	\$55,026	\$53,689			
19986	25	10026	536	XFR - Butler 138/69 kV	R	03/31/06	11/01/06	02/02/07	\$1,621,593				
19986	26	10027	536	Line - Morris - McDowell 230 kV	R	01/01/07	06/01/06	02/02/07	\$7,073,312	\$210,110			
19986	26	10028	536	XFR - McDowell 230/115 kV	R	07/19/06	06/01/06	02/02/07	\$1,886,192				
19986	27	10029	536	Multi - HEC - 43rd & Lorraine - Tower 33 69 kV	R	11/01/06	12/31/06	02/02/07	\$2,400,000	\$59,859			
19986	28	10031	536	Line - Chisholm - Grant 69 kV Ckt 1	R	11/22/06	06/01/09	-	\$658,841	\$651,482			
	29	10032	540	Line - Gravois Mills - North Warsaw 161 kV	PL	01/01/06	-	-	\$500,000				
	29	10033	540	Line - Truman - North Warsaw 161 kV	PL	01/02/06	-	-	\$500,000				
	30	10034	541	Line - Lacycine - West Gardner 345 kV Ckt	EU	05/01/06	05/01/06	-	\$10,461,346	\$10,461,346			
19990	31	10035	541	Line - Tomahawk - Bendix 161 kV	R	12/01/06	12/01/06	02/02/07	\$1,105,317	\$1,105,317			
	32	10036	544	Line - Sub 110 - Oronogo Jct. - Sub 432 - Joplin Oakland North 161 kV Ckt	TS	05/01/06	03/01/06	-	\$504,000	\$2,120,082			
	33	10037	544	Line - Sub 109 - Atlas Jct. - Sub 432 - Joplin Oakland North 69 kV Ckt	TS	05/01/06	06/01/06	-	\$1,353,600				
Year 2007													
	39	10043	520	Line - 36th & Lewis - 52nd & Delaware Tap	TS	06/01/07	06/01/16	01/02/07	\$15,000				
19999	40	10044	520	Line - Winnboro - North Minnesota 138 kV	R	10/17/07	12/01/07	02/02/07	\$20,770,000				
19999	41	10045	520	Line - South Shreveport - SW Shreveport 138 kV	R	07/04/07	06/01/10	02/02/07	\$110,000				
19999	42	10046	520	XFR - Tontitown 345/161 kV	R	06/01/07	06/01/07	02/02/07	\$4,278,100				
19999	43	10047	520	Line - Siloam Springs - Chamber Springs 161 kV	R	06/01/07	06/01/07	02/02/07	\$6,627,225				
19997	44	10048	520	Line - Knox Lee - Oak Hill #2 138 kV	R	07/11/07	06/01/07	03/09/06	\$135,000				
19999	45	10049	520	Line - Chamber Springs - Tontitown 161 kV	R	06/01/07	06/01/07	02/14/07	\$4,000,000				
19999	46	10050	520	Line - 53rd & Garnett N. Tap - Tulsa Southeast 138 kV	R	06/01/07	06/01/07	02/02/07	\$83,000				
	47	10051	520		PL	07/01/07	-	-					
	47	10052	520		PL	07/01/07	-	-					
	47	10053	520		PL	07/01/07	-	-					
	47	10054	520		PL	07/01/07	-	-					
	47	10055	520		PL	07/01/07	-	-					
	47	10056	520		PL	07/01/07	-	-					
	47	10057	520		PL	07/01/07	-	-					
	47	10058	520		PL	07/01/07	-	-					
	47	10059	520		PL	07/01/07	-	-					
	47	10060	520		PL	07/01/07	-	-					
	47	10061	520		PL	11/01/07	-	-					
	47	10062	520		PL	11/01/07	-	-					
	47	10063	520		PL	07/01/07	-	-					
	47	10064	520		PL	07/01/07	-	-					

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification to construct issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
48	10065	520	Line - Oak Hill - NW Henderson 138 kV	TS	07/13/07	06/01/07	10/17/06		\$122,000				
50	10068	523	Line - Kerr - 412 Sub 161 kV	R	06/07/07	06/01/09			\$4,961,590				
19991	51	10069	523	XFR - Stilwell City 161/69 kV	R	06/01/07	06/01/07	02/02/07	\$2,200,000				
53	10071	524	Line - Tecumseh - 69 kV Ckt	PL	08/30/07	-			\$540,855				
54	10072	524	Line - Dewey - 138 kV Ckt	PL	06/01/07	-			\$1,428,565				
57	10075	524	Line - Russell - Springdale 138 kV Ckt 1	PL	06/01/07	-			\$22,000				
59	10077	524	Line - 3rd St (Motorize Switches)	PL	11/30/07	-			\$165,439				
19996	61	10079	524	Line - Richards - Piedmont 138 kV	R	12/31/07	12/31/07	02/02/07	\$3,800,000				
62	10080	524	Line - Stillwater - Morrison 138 kV	PL	10/31/07	-			\$2,987,338				
63	10081	524	Line - Wind Farm - Mooreland 138 kV	TS	06/01/07	06/01/07	12/18/06		\$120,000				
64	10082	524	Line - Osage - 138 kV Ckt	PL	11/15/07	-			\$149,230				
65	10083	524	XFR - KNOBHILL 138 to KNOBHILL 69	TS	12/12/07	06/01/08	01/02/07		\$1,950,541	\$2,017,744			
66	10084	524	Line - Igo - 161 kV Ckt	PL	12/31/07	-			\$2,832,404				
68	10086	524	Line - Oakgrove - 69 kV Ckt	PL	12/31/07	-			\$312,570				
19996	69	10087	524	Line - Razorback - Short Mountain 69 kV	R	12/31/07	12/31/06	02/02/07	\$9,600,000				
70	10088	525	Line - Sleeping Bear/Fort Supply	IA	04/01/07	02/01/07			\$2,080,000				18 months
71	10089	525	Line - Windfarm - Mooreland 138 kV	TS	08/01/07	06/01/07	12/20/06		\$750,000				18 months
19987	73	10091	526	XFR - Mustang Station N. 115 kV - Mustang Station 230 kV	R	06/22/07	06/01/08	02/02/07	\$3,000,000	\$2,269,005			
19987	74	10092	526	XFR - Artesia 115/69 kV	R	-	06/01/07	02/02/07	\$2,750,000			Cancelled	Autos ok until 2017 w/switching. Study completed. Recommend construction of Eagle Creek/Navajo Switching Station by summer 2010. Mitigates this problem, but also increases load serving capability for requested new loads.
19987	74	10093	526	XFR - Artesia 115/69 kV	R	04/01/07	06/01/06	02/02/07	\$3,000,000	\$2,476,344		Cancelled	
19987	75	10094	526	XFR - Bailey Co 115/69 kV	R	04/02/07	06/01/06	02/02/07	\$3,000,000	\$2,476,344			
19987	76	10096	526	XFR - Terry Co 115/69 kV	R	11/01/07	06/01/07	02/02/07	\$2,375,000	\$2,145,926			Both transformer upgrades are complete and in-service
19987	76	10097	526	XFR - Terry Co 115/69 kV	R	10/24/08	06/01/07	02/02/07	\$2,375,000	\$2,145,926			Both transformer upgrades are complete and in-service
19987	77	10098	526	XFR - Hockley 115/69 kV	R	02/06/09	06/01/06	02/02/07	\$2,062,000				18 months
19987	77	10099	526	XFR - Hockley 115/69 kV	R	03/13/09	06/01/06	02/02/07	\$2,062,000				18 months
19987	79	10101	526	XFR - Gaines County Interchange 69 kV - Gaines County Interchange 115 kV	R	-	06/01/07	02/02/07	\$2,750,000				Mitigation Plan verified by SPP staff.
19987	79	10102	526	XFR - Gaines County Interchange 69 kV - Gaines County Interchange 115 kV	R	-	06/01/07	02/02/07	\$2,750,000				Legacy Interchange Project to replace this project scope. Approved in Capital Budget. Estimated ISD is 6/1/2011, with an estimated cost of \$7,612,744.
81	10104	531	XFR - South Hays 230/115	PL	10/01/07	-			\$2,000,000	\$1,850,000			
82	10105	531	Line - Knoll 115 - S Hays 115/230 Conversion	PL	10/01/07	-			\$3,525,000				
83	10106	531	Line - Mullergrn - S Hays 115/230 Conversion	PL	10/01/07	-			\$1,310,000				6 months
19986	84	10107	536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	R	08/04/08	06/01/07	02/02/07	\$1,617,177	\$1,553,395			
19986	84	10108	536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	R	08/04/08	06/01/07	02/02/07	\$1,617,177	\$1,553,395			
19986	85	10109	536	Line - HTI Junction - Circleville 115 kV	R	10/15/07	06/01/07	02/02/07	\$3,094,877	\$2,884,852			
86	10110	536	XFR - Swissvale 345/230 kV #2	PL	12/31/07	-			\$5,861,854				
19994	87	10111	539	Line - Greensburg - Judson Large 115 kV Ckt 1	R	11/20/07	06/01/07	02/02/07	\$1,448,000				4-6 months
19994	88	10240	539	Line - Sun City - Medicine Lodge 115 kV	TS	11/20/07	09/01/07	05/31/07	\$167,500	\$90,380			
88	10112	540	Line - St.Joseph-Cooper 345 kV	PL	06/07/07	-			\$125,000				
88	10113	540	Line - St.Joseph-Fairport 345 kV	PL	06/01/07	-			\$125,000				
90	10114	540	Line - Martin City - Turner Road 161 kV	R	06/30/07	06/01/07			\$47,683				
19994	91	10115	540	Line - Lake Road to Industrial Park 161 kV	R	06/01/07	06/01/07	02/02/07	\$10,000				8- months
19994	92	10116	540	Line - Nevada 161 - Nevada Plant 69 kV	R	10/01/07	10/01/06	02/02/07	\$536,000				
19994	93	10117	540	Line - Craig Interconnection	R	07/01/07	06/01/06	02/02/07	\$75,000				
19994	94	10118	540	Multi - Loma Vista 161kV - Montrose 161kV (North Raymore 161kV Substation)	PL	08/15/07	-		\$4,080,500				
19990	95	10119	541	Line - Stilwell - Antioch 161 kV	R	05/25/07	06/01/07	02/02/07	\$2,120,082	\$2,120,082			
96	10120	544	XFR - Sub 167 - Riverton 161/69 kV Ckt	TS	06/22/07	06/01/07			\$900,000				
97	10121	544	Line - Neosho - Sub 292 - Tipton Ford 161 kV Ckt	TS	07/01/07	06/01/07			\$2,200,000				
19992	98	10122	544	Line - ReinMiller - Tipton Ford 161 kV	R	08/18/07	06/01/07	02/02/07	\$3,215,000				
Year 2008													
19999	1	10001	520	Line - Bann - Kings Highway 69 kV	R	06/01/07	06/01/08	02/02/07	\$50,000				
105	10129	520	Line - Dyess - Elm Springs REC	PL	05/21/08	06/01/08			\$81,000				
20000	106	10130	520	Line - Snyder - Altus Junction 138 kV	R	05/21/08	06/01/13	02/13/08	\$16,760,000				
20000	107	10131	520	Line - E Rogers - Dyess 161 kV	PL	05/20/08	-		\$720,000				
20000	107	10132	520	Line - E Rogers - Avoca 161 kV	R	05/20/08	06/01/08	02/13/08	\$720,000				Switchable Series Reactor installation complete
19999	109	10133	520	Line - Fayetteville 69 kV conversion	R	05/08/08	06/01/08	02/02/07					
19999	109	10134	520	Multi - Fayetteville 69 kV conversion	R	05/08/08	06/01/08	02/02/07	\$21,000,000				
19999	109	10135	520	Line - Fayetteville 69 kV conversion	R	05/08/08	06/01/08	02/02/07					
19999	109	10136	520	Line - Fayetteville 69 kV conversion	R	05/08/08	06/01/08	02/02/07					
20000	110	10137	520	XFR - Pryor Junction 138/69 kV	R	04/25/08	06/01/08	02/13/08	\$1,829,100				
111	10138	520	Line - Hobart Junction - Tamar - 138 kV	RZ	06/01/09	06/01/15			\$125,000				6 months
112	10139	520	Line - Sayre - Erick	OC-R	02/01/09	06/01/09	07/28/08		\$10,400,000				Sayre to Erick line construction is completed. Terminal work at Sayre and Erick is scheduled to be completed by 2/1/2009.
20000	113	10140	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	R	06/01/10	06/01/12	02/13/08	\$9,480,000				24 months
20000	113	10141	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	R	06/01/10	06/01/12	02/13/08	\$19,482,000				24 months
20000	113	10142	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	R	06/01/10	06/01/12	02/13/08	\$20,420,000				24 months
20000	113	10143	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	R	05/09/08	06/01/12	02/13/08	\$3,000,000				24 months
114	10144	520	Line - Northwest Texarkana Bann T. - Bann 138kV	TS	03/26/08	06/01/08	01/02/07		\$25,000				
115	10145	520	Line - Northwest Texarkana - Alumax Tap	R	03/04/08	06/01/07			\$2,160,000				
116	10146	520	Line - Alumax Tap - Bann	TS	03/26/08	06/01/09	01/02/07		\$1,180,000				
19998	117	10147	520	Line - Chamber Springs - Tomblown 345 kV	R	05/15/08	06/01/07	02/14/07	\$14,405,000				
19999	118	10148	520	Line - Elk City - Elk City 69 kV	R	12/06/07	06/01/07	02/02/07	\$100,000				
119	10149	520	Line - Cacho - Snyder 138kV	TS	05/21/08	06/01/08	10/11/06		\$73,348				
19997	120	10150	520	Line - Linwood to McWillie Street Rebuild	R	04/30/08	06/01/08	03/09/06	\$1,100,000				
20001	121	10151	523	Line - 412 Sub - Kansas Tap 161 kV	R	06/08/08	06/01/10	02/13/08	\$2,971,180				
60	10078	524	Line - Ft. Smith (Motorize Switches)	PL	01/31/08	-			\$105,852	\$136,328			
58	10076	524	Line - Vbi - 161 kV Ckt	PL	10/31/08	-			\$350,017	\$458,989			
19996	52	10070	524	Line - Stillwater - McElroy 138 kV	R	02/27/09	05/31/08	02/02/07	\$1,758,527				
55	10073	524	Line - Maud - 138 kV Ckt	PL	12/30/08	-			\$359,964	\$337,525			
67	10085	524	Line - Igo - Razorback 69 kV	PL	03/31/09	-			\$5,939,246				

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification To construct (issue date)	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments	
123	10153	524	Multi - Earlywine		PL	06/01/09	-	-					TO Zonal/local upgrade. Not for SPP reliability.	
123	10154	524	Multi - Earlywine		PL	06/01/09	-	-	\$12,900,000				TO Zonal/local upgrade. Not for SPP reliability.	
123	10155	524	Multi - Earlywine		PL	06/01/09	-	-					TO Zonal/local upgrade. Not for SPP reliability.	
123	10156	524	Multi - Earlywine		PL	06/01/09	-	-					TO Zonal/local upgrade. Not for SPP reliability.	
20002	124	10157	524	Line - Fort Smith - Colony 161 kV	R	11/01/08	06/01/09	02/13/08	\$133,000	\$86,875			Replace 1200A terminal Equipment at Ft. Smith and Colony	
125	10158	524	Line - Poteau - Cavanal Mtn 69kV		PL	12/31/08	-	-	\$22,692	\$32,150			Breaker Failure contingency of breaker 183 & 186 at Ft. Smith cause the 69kV Poteau-Cavanal line to overload in 2008SP for those TPL-003 contingencies.	
126	10159	524	Line - Maud - Seminole 138kV		PL	05/01/09	-	-	\$326,346				An SPP Flowgate. Project will be complete 5/1/2009.	
127	10160	524	Line - Westmore - Pennsylvania 138 kV		PL	12/30/08	-	02/15/07	\$250,000	\$170,751				
128	10161	524	Line - Muskogee - Pecan Creek 345 kV		PL	06/01/08	-	-						
129	10162	524	Multi - Riverside - Pecan Creek - Muskogee 345 kV		PL	06/01/08	-	-						
129	10163	524	Multi - Riverside - Pecan Creek - Muskogee 345 kV		PL	06/01/08	-	-	\$7,226,027	\$12,541,402				
130	10164	524	XFR - Pecan Creek 345/161/138 kV		R2	06/01/08	06/01/15	-						
131	10165	524	Line - Canadian - Cedar Lane 138 kV		R	06/01/08	06/01/08	02/13/08	\$12,637	\$31,127				
72	10090	525	Line - Elmore - Wallville 69 kV		R	03/31/08	06/01/12	02/02/07	\$1,488,000		16 months		Project Under Construction. will be completed early 2009	
20003	132	10166	525	Line - Anadarko - Cyril 69 kV		R	06/01/09	06/01/08	02/13/08	\$3,120,000		16 months		WFEC can have local generation at Georgia substation turned on to remove 4MW. WFEC can also move load from medicine Park to Paradise substation to fix overload until 2009.
133	10167	525	Line - Hamon Butler - Morewood 69 kV		TS	-	06/01/08	01/02/07	\$3,400,000		8- months	Cancelled	WFEC has requested removal from STEP. closing of line from Arapaho to Hammon Butler has been approved as a viable solution	
134	10168	525	Multi - Erick - Morewood SW conversion		OC-R	10/01/08	06/01/08	02/02/07			12 months		New loads which required this project will not be put into service until the this project is complet	
134	10169	525	Multi - Erick - Morewood SW conversion		OC-R	10/01/08	06/01/08	02/02/07			12 months		New loads which required this project will not be put into service until the this project is complet	
134	10170	525	Multi - Erick - Morewood SW conversion		OC-R	10/01/08	06/01/08	02/02/07			12 months		New loads which required this project will not be put into service until the this project is complet	
134	10171	525	Multi - Erick - Morewood SW conversion		OC-R	10/01/08	06/01/08	02/02/07	\$12,000,000		12 months		New loads which required this project will not be put into service until the this project is complet	
134	10172	525	Multi - Erick - Morewood SW conversion		OC-R	10/01/08	06/01/08	02/02/07			12 months		To be constructed in conjunction w/ AEPW New loads which required this project will not be put into service until the this project is complet	
20003	136	10174	525	Line - Meeker - Hammell 138 kV		R	06/01/10	06/01/08	02/13/08	\$6,674,000		10 months		WFEC can reduce load on substations in Canadian Valley to restore voltage until project is complete.
20003	137	10175	525	Line - Wakita - Hazelton 69 kV		R	06/01/10	06/01/08	02/13/08	\$5,378,750		10 months		WFEC can transfer load from Ringwood Substation to Aline Substation to restore voltage until project can be complete
20003	138	10176	525	Line - OGE Woodward - WFEC Woodward 69 kV		R	12/01/09	06/01/08	02/13/08	\$1,050,000		10 months		WFEC can redispach generation from Mooreland to Anadarko to prevent overloading until line can be bu
20003	139	10177	525	Multi - Kingfisher 69 kV		R	11/01/08	06/01/08	02/13/08	\$4,050,000		10 months		Install King Fisher switching Station this assumes Twin lakes was installed earle
20003	139	10178	525	Multi - Kingfisher 69 kV		R	11/01/08	06/01/08	02/13/08	\$3,540,000		10 months		Install King Fisher switching Station this assumes Twin lakes was installed earle
140	10179	525	Line - ACME - W Norman 69 kV		R	06/01/09	06/01/08	02/02/07	\$912,000		8 months		WFEC will transfer load from West Norman to Acme in case of the line overloading	
141	10180	525	XFR - Ft Supply 70 MVA		TS	06/01/08	06/01/08	01/02/07	\$2,000,000		18- months			
20003	142	10181	525	Line - Little Axe - Noble 69 kV		R	06/01/09	06/01/08	02/13/08	\$2,640,000		16 months		WFEC will transfer load from Little Axe to Noble Substation in case of the line overloading
20004	144	10183	526	Line - Curry County - North Clovis Conversion		R	06/01/10	06/01/08		\$200,000				Approved in 2008 budget. Replacement for upgrade of Curry autos. Requires changout of 69 kV dist transformer to 115 kV. No mitigation needed if built by 6/1/10.
20004	146	10185	526			R	06/01/09	06/01/08	02/13/08	\$8,762,733				
20004	146	10186	526			R	06/01/10	06/01/08	02/13/08	\$8,920,699				
20004	146	10187	526	Multi - Seminole - Hobbs Project 230 kV		R	06/01/09	06/01/08	02/13/08	\$7,715,262				
20004	146	10188	526			R	06/01/09	06/01/08	02/13/08					
20004	146	10189	526			R	06/01/09	06/01/08	02/13/08	\$3,891,288				
20004	146	10190	526			R	06/01/09	06/01/08	02/13/08					
20004	147	10191	525	XFR - Roswell Interchange 115/69 kV		R	11/14/08	06/01/08	02/13/08	\$600,000	\$536,302			Project complete and in-service
148	10192	526	Line - Amarillo South - Springdraw 115 kV		PL	06/06/08	-	-	\$5,713,560		24 months			
149	10193	526	Line - Cox - Floyd 115 kV		PL	11/21/08	-	-	\$9,898,838	\$9,830,652	28 months		Transmission line work complete but Cox substation upgrade projected in-service date is 3/2/2009	
19987	150	10194	526	XFR - Kress 115/69 kV		R	12/26/08	06/01/08	02/02/07	\$1,250,000		18 months		Mitigation Plan verified by SPP staff.
20004	151	10195	526	XFR - Tucco 115/69 kV		R	-	06/01/08	02/13/08	\$1,260,000				New system configuration mitigates this project.
19987	152	10196	526	XFR - NE Hereford 115/69 kV #2		R	-	06/01/08	02/02/07	\$1,260,000				New system configuration mitigates this project.
20004	153	10197	526	XFR - Potash Junction Interchange 115/69 kV		R	-	04/01/08	02/13/08	\$600,000			Cancelled	No project here! Step study justified this project with a modeling error.
154	10198	526	XFR - Tucco Interchange 230/115 kV Ckt 2		TS	11/14/08	06/01/08		\$7,978,726	\$10,048,701	24 months		All work at Tucco is complete and in-service	
20004	155	10199	526	XFR - Nichols 230/115 kV		R	05/01/09	06/01/11	02/13/08	\$6,000,000		24 months		
20004	156	10200	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV		R	06/01/10	06/01/08	02/13/08	\$5,132,829				Construct double-circuit 115 kV line from Hitchland Interchange to V30. (Estimated cost includes UID 10328 scope)
20004	156	10201	526			R	06/01/10	06/01/08	02/13/08	\$31,915,701				Construct the new 345/230/115 kV Hitchland Interchange. (Estimated cost includes UID 10327 scope)
19987	157	10202	526	XFR - Hale Co 115/69 kV		R	02/06/09	06/01/07	02/02/07	\$2,900,000		18 months		
19987	157	10203	526			R	03/13/09	06/01/07	02/02/07			18 months		Mitigation Plan verified by SPP staff.
19987	158	10204	526	XFR - Carlsbad Interchange 115 kV - Carlsbad Interchange 69 kV		R	-	06/01/08	02/02/07	\$2,750,000		18 months		
19987	158	10205	526			R	-	06/01/08	02/02/07			18 months		Mitigation Provided by TO.
20004	159	10206	526	Line - Plant X Station - Tolk Station West 230 kV		R	-	06/01/08	02/13/08	\$56,000				STEP study justification based on an invalid contingency. However SPS recognizes the line flow constraint of the these wave traps.
20004	160	10207	526	Line - Terry County Interchange - Wolforth Interchange 115 kV		R	-	06/01/08	02/13/08	\$5,000			Cancelled	Need to correct models to reflect field verified jumper ratings of 138/138 MVA summer normal/emergency ratings (winter rating 153/153) based on terminal CT ratings
161	10208	526	XFR - Floyd Co 115/69 kV		TS	03/24/06	06/01/07		\$1,375,000		18 months			No mitigation is needed for this project since project will be complete before summer 2009 and overload problems were in summer peaks in the later years.
161	10209	526			TS	04/01/09	06/01/07		\$1,556,906		18 months			
19987	162	10210	526	XFR - Lubbock East 115/69 kV		R	03/01/09	06/01/07	02/02/07	\$1,300,000		18 months		
19987	162	10211	526	XFR - Lubbock East 115/69 kV		R	03/01/09	06/01/07	02/02/07	\$1,300,000		18 months		Mitigation Plan verified by SPP staff.
19987	163	10212	526	XFR - Lubbock East 230/115 kV		TS	01/31/08	06/01/07		\$3,000,000	\$2,130,662	24 months		
19987	250	10323	526	XFR - Cochran 115/69 kV		R	04/01/09	06/01/08	02/02/07	\$2,750,000		18 months		
19987	250	10324	526			R	04/01/09	06/01/08	02/02/07			18 months		Mitigation Plan verified by SPP staff.
20007	164	10213	534	Line - WEPL Cimarron Plant - North Cimarron 115 kV		R	12/31/09	06/01/08	02/13/08	\$1,350,000				Currently in engineering design and cost review. Mitigation is to reduce generation in area 534 and increase in area 539 as needs to relieve overload.
165	10214	534	Line - Phillipsburg - Rhoades 115 kV Ckt 1		PL	12/31/09	-	-	\$10,500,000				Under Construction	
20007	166	10215	534	Line - Holcomb - Pymell 115 kV		R	12/31/09	06/01/08	02/13/08	\$3,650,000				Currently in engineering design and cost review. Mitigation is to reduce generation in area 534 and increase in area 539 as needs to relieve overload.
20006	167	10216	536	Line - Gill Energy Center East - Gill Energy Center Jct - Oatville 69 kV Rebuild		R	12/20/08	06/01/08	02/13/08	\$1,589,322	\$1,987,109	18 months		
168	10217	536	Line - Emporia Energy Center 345 kV Switchyard Connections		PT	03/13/08	-	-	\$243,020	\$1,367,783				
20006	169	10218	536	Line - Chapman - Clay Center 115 kV Uprate		R	-	06/01/08	02/13/08	\$10,000		12 months	Cancelled	Model error.
20006	170	10219	536	Line - Fort Junction - Anzo 115 kV		R	06/01/09	06/01/08	02/13/08	\$3,639,327		12 months		Increase generation at McPherson and Hutchinson to relieve overloading.
20006	171	10220	536	Line - Weaver - Rose Hill 69 kV		R	12/01/10	06/01/08	02/13/08	\$2,242,907		12 months		Transmission Operating Directive 1104
20006	172	10221	536	Line - Tecumseh Energy Center - Midland 115 kV		R	06/01/10	06/01/12	02/13/08	\$2,000,000		6 months		
173	10222	536	Line - Gill Energy Center West-Peck 69 kV Rebuild		PL	06/01/10	-	-	\$3,684,740		12 months		TO Zonal/local upgrade. Not for SPP reliability. Project deferred	
19986	174	10223	536	Line - Murry Gill Energy Center - MacArthur 69 kV		R	06/01/08	06/01/08	02/02/07	\$150,000		8 months		

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	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	Project Status Comments
20006	175	10224	536	Line - McDowell Creek - Fort Junction 115 kV	R	12/01/08	10/01/08	02/13/08			12 months		
20006	175	10225	536	Line - McDowell Creek - Fort Junction 115 kV	R	12/15/08	10/01/08	02/13/08	\$6,350,667	\$6,409,525	12 months		
19986	176	10226	536	Line - Dearing - Coffeyville 69 kV Rebuild	R	12/08/08	06/01/08	02/02/07			7 months		
19986	176	10227	536	Line - Coffeyville - CRA 69 kV Rebuild	R	12/08/08	06/01/08	02/02/07	\$1,226,705	\$778,658	7 months		
20006	179	10228	536	Line - Summit - NE Saline 115 kV	R	12/01/09	10/01/08	02/13/08	\$6,819,380		18 months		Project is modified: Rebuild Summit-Northview 115 kV ; In-service date 6/1/2009.\$ 6,819,380 Build Summit-Southgate 115 kV; Remove Northview-Southgate 115 kV; Work will be performed when extensive crews are completing Reno County-Summit 345 kV work
19986	180	10229	536	Line - Stranger Creek - Thornton Street 115 kV Addition	R	12/01/09	06/01/07	02/02/07	\$9,675,000		12 months		Interim mitigation is implementation of Transmission Operating Directive 1216; Project delay is due to routing difficulties at Strange Creek substation taking into account the addition of the 2nd 345-115 kV transformer in 2009; Current line cost estimate is \$3,875,000.
19986	181	10230	536	XFR - County Line 115/69 kV Replacement	R	05/31/08	06/01/07	02/02/07	\$2,860,000		14 months		Interim mitigation is moving load from the 34 kV winding of the 115-69 kV transformer; New 115-34.5 kV transformer placed in service 11/20/2007
182	10231	536	Line - Chase - White Junction 69 kV	PL	06/01/10	06/01/08			\$5,184,701		8 months		Interim mitigation is application of existing Transmission Operating Directive 63
185	10234	536		PL	12/01/08								
185	10235	536		PL	12/01/08								
185	10236	536		PL	12/01/08								
185	10237	536		PL	12/01/08								
185	10238	536		PL	12/01/08								
185	10239	536		PL	12/01/08								
270	10353	536	Line - Tap Emporia Energy Center in/out of Lang - Swissvale 345 kV	PT	03/13/08	-			\$0				Costs included in 2008 project
20007-1	187	10241	539	Line - Green Leaf - Clay Center 115 kV		-		11/17/08	\$7,520,000		12 months	Cancelled	Mitigation is putting the Clifton Unit (536655) on and increasing the output as needed to relieve the line loading. Project has been suspended after TransCanada study determined that this line did not need to be constructed.
20008	188	10242	540	Line - Anaconda - Harrisonville West	R	12/01/08	06/01/08		\$0				Project is behind the schedule, but KCPL/Aquila is able to mitigate the overload problems on the 69 kV line by manually opening the 69 kV line at South Harper 69 kV Sub
20008	189	10243	540	Line - Grandview - Martin City 161 kV	R	06/30/08	06/01/08	02/13/08	\$150,000				Project is behind the schedule. But no mitigation plan is needed until the coming summer
20008	190	10244	540	Line - Martin City - Turner Road 161 kV Reconductor	R	06/01/10	06/01/08	02/13/08	\$2,025,000				KCPL/Aquila is working on an alternative to replace the project. The alternative will be sent to SPP for review.
20008	191	10245	540	Line - Belton South - Turner Road Sub 161 kV	R	06/01/10	06/01/08	02/13/08	\$600,000				KCPL/Aquila is working on an alternative to replace the project. The alternative will be sent to SPP for review.
192	10246	540	Line - Iatan - Platte City 161 kV Ckt 1	PL	06/01/10	-			\$1,050,000				
20008	194	10248	540	Line - Harrisonville North - Ralph Green 69 kV	R	-	06/01/08	02/13/08	\$3,960,000				This line is under re-study by RTO.
195	10249	540	Line - Pope Lane to Smithville 161kV	R	06/01/09	-			\$4,550,000		12-18 months		
196	10250	541	Multi - Pleasant Valley Sub	PL	06/01/08	-			\$2,360,000	\$3,156,997	6 months		cost near final but not complete yet
196	10251	541	Multi - Pleasant Valley Sub	PL	06/01/08	-							cost near final but not complete yet
20009	197	10252	541	XFR - West Gardner 345/161 kV	R	06/01/08	06/01/08	02/13/08	\$5,000,000	\$4,574,216	6 months		cost near final but not complete yet
20009	198	10253	541	Line - Antioch - Oxford 161 kV	R	12/31/08	06/01/08	02/13/08	\$2,500,000				Under construction; 98% complete; should be complete by end of year 2008
199	10254	541	Multi - Lackman Sub	PL	03/31/09	-			\$138,200		6 months		Project behind schedule; estimate 1st quarter 2009 completion
199	10255	541	Multi - Lackman Sub	PL	03/31/09	-							Project behind schedule; estimate 1st quarter 2009 completion
200	10256	541	Line - Terrace - Boulevard 161 kV	PL	06/01/09	-			\$4,352,600		10 months		Project behind schedule; estimate 2nd quarter 2009 completion
201	10257	541	Line - Crossdown - Boulevard 161 kV	PL	06/01/09	-			\$4,750,000				Project behind schedule; estimate 2nd quarter 2009 completion
20010	202	10258	544	Line - Sub 436 - Webb City Cardinal - Sub 110 - Oronogo Jct. 1 69 kV	R	-	06/01/08	02/13/08	\$400,000		12 months		Operating Directive available
20010	203	10259	544	Line - Sub 109 - Atlas Jct. - Sub 108 - Carthage Northwest 1 69 kV	R	-	06/01/08	02/13/08	\$1,277,935		18 months		Operating Directive available
20010	204	10260	544	Line - Webb City Cardinal - Carthage 69 kV	R	-	06/01/08	02/13/08	\$3,000,000		18 months		Operating Directive available
20010	205	10261	544	Line - Boston East - Jasper West Tap 69 kV	R	-	06/01/08	02/13/08	\$1,200,000		12 months		Operating Directive available
20010	207	10263	544	Line - Sub 145 - Joplin West 7th - Sub 341 - Joplin NorthWest 69 kV	R	06/01/08	06/01/08	02/13/08	\$780,000		12 months		
19992	208	10264	544	Line - SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 1	R	06/01/08	06/01/08	02/02/07	\$20,000		6 months		
19992	209	10265	544		R	03/01/09	06/01/10	02/02/07					
19992	209	10266	544	Multi - Riverdale - Ozarks 161 kV Ckt 1	R	03/01/09	06/01/10	02/02/07	\$14,057,000		30 months		
19992	209	10267	544		R	03/01/09	06/01/10	02/02/07					
19992	209	10268	544		R	03/01/09	06/01/10	02/02/07					
20010	210	10269	544	Line - Boston East - Richland 69 kV rating change	R	-	06/01/08	02/13/08	\$150,000				Operating Directive available
20011	212	10271	546	Line - Norton - Neergard 69 kV	R	06/01/10	06/01/08	02/13/08	\$1,485,000		24 months		SPRM will mitigate overload by transferring load prior to reconductor completion in 2010
			520	Line - Hugo Tap	PT	11/05/08			\$361,000		6 months		Project completed with in service date of 11/05/2008. Eliminating 3 terminal at Valliant---Change the Hugo Tap -Idabel 138 to route into Valliant instead of the Hugo Tap approximately .1 miles of new line
Year 2009													
216	10275	520	Line - Ben Wheeler - Barton's Chapel (Rayburn) 138 kV Ckt 1	PL_Rayburn	06/01/10	-			-		18 months		Rayburn Country Project. Rayburn confirm project In Service Date is 06/01/2009
20000	217	10276	520	Line - Tap N. Huntington - Waldron 69 kV	R	06/01/09	06/01/08	02/13/08	\$400,000		15 months		Mitigation Plan: For the loss of the OG&E AES-Tarby 161 kV line, AEP will open 69 kV breaker #930 at Midland (AEP) toward Howe (OG&E). This mitigates overloading of AEP's North Huntington-Huntington and Huntington-Midland REC 69 kV line sections. This operating procedure is to be finalized and submitted to SPP for approval prior to the need date.
20000	218	10277	520	Line - Huntington - N Huntington 69 kV	R	06/01/09	06/01/09	02/13/08	\$20,000		9 months		
20000	219	10278	520	Line - Excelsior - Excelsior Tap 161 kV	R	06/01/09	06/01/09	02/13/08	\$4,000,000				Reeves Road station will be built under the existing North Huntington - Bonanza 161kV line. This project will replace the Excelsior Tap project.
220	10279	520	Line - Riverside Station - Explorer Glenpool 138 kV Ckt 1	TS	06/01/09	06/01/09	07/21/06	\$1,000,000		24 months			
221	10280	520	Line - Hope - Fulton 115 kV	R	06/01/09	06/01/09	02/13/08	\$100,000		15 months			
20000	222	10281	520	Line - Bonanza - Bonanza Tap 161 kV	R	06/01/09	06/01/11	02/13/08	\$694,000		15 months		
223	10282	520	Line - SW Shreveport - SW Shreveport Tap	PL	01/01/09	-			\$3,006,000		24 months		
224	10283	520	XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV	TS	01/01/09	06/01/10	06/27/07	\$6,873,000		30 months			
224	10284	520	XFR - Southwest Shreveport Transformer Ckt 2 345/161 kV	TS	01/01/09	06/01/10	06/27/07	\$6,873,000		30 months			
20000	225	10286	520	Line - North Magazine - Magazine REC - Danville 161 kV	R	06/01/09	06/01/09	02/13/08	\$13,705,000		24 months		
20000	225	10289	520	Line - North Magazine - Magazine REC - Danville 161 kV	R	06/01/09	06/01/09	02/13/08	\$6,090,000		24 months		
20000	227	10291	520	Line - Breaker Daingerfield - Jenkins REC 69 kV	R	12/12/08	06/01/09	02/13/08	\$250,000		12 months		
20000	229	10292	520	Multi - Flint Creek - E Centerton 161 kV	R	06/01/09	06/01/11	02/13/08			24 months		
20000	229	10293	520	Multi - Flint Creek - E Centerton 161 kV	R	06/01/09	06/01/13	02/13/08	\$14,200,000		24 months		
20000	229	10294	520	Multi - Flint Creek - E Centerton 161 kV	R	06/01/10	06/01/13	02/13/08			24 months		
20000	230	10295	520	Line - Broken Bow - Craig Junction 138 kV	R	06/01/09	06/01/08	02/13/08	\$6,602,000		18 months		Mitigation Plan: For the loss of either the WFEC Broken Bow Dam Tap-Mt. River or Mt. River-Craig Junction 138 kV line sections, which outage the three-terminal line at WFEC's Broken Bow Dam Tap, WFEC will open 138 kV switch #277 at Broken Bow Dam Tap toward Broken Bow Dam (SWPA). This allows all load to be restored without closing the loop from Hugo Power Plant (WFEC) to Broken Bow Dam and overloading the AEP Broken Bow Dam-Craig Junction 138 kV line. This operating procedure is to be finalized and submitted to SPP for approval prior to the need date.
231	10296	520	Line - Turk - SE Texarkana - 138 kV	GI	12/31/10	-			\$25,590,000		48 months		
232	10297	520	Line - Turk - Sugar Hill 138 kV	GI	12/31/10	-			\$18,427,000		48 months		

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification to Construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
20001	233	10298	523	XFR - Claremore 161/69 kV	R	06/01/09	06/01/08	02/13/08	\$6,000,000		24 months		GRDA will install a mobile substation 161/13kV that will eliminate overload on autoxfm
	56	10074	524	Line - Chitwood - Garbar 138 kV	PL	12/31/09	-	-	\$5,920,226				
	234	10299	524	Line - Explorer Glenpool - Baseline 138 kV Ckt 1	TS	06/01/09	06/01/09	07/21/06	\$200,000				
	235	10300	524	Line - Fort Smith - Colony 161 kV	PL	06/01/17	06/01/17	-	\$2,137,500		14 months		
20002	236	10301	524	Line - Alva - Knobhill 69 kV	R	06/01/09	06/01/09	02/13/08	\$35,000				
	237	10302	524	Line - Explorer Glenpool - Rwerside Station 138 kV Ckt 1	TS	06/01/09	06/01/09	07/21/06	\$400,000				
20003	238	10303	525	Line - Atoka - WFECC Tupelo - Lane 138 kV	R	06/01/09	06/01/12	02/13/08	\$8,265,000		12 months		
20003	238	10304	525	Line - Atoka - WFECC Tupelo - Lane 138 kV	R	06/01/09	06/01/12	02/13/08			12 months		
20005	177	10729	520	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelk	R	06/01/09	06/01/12	02/20/08	\$442,800		12 months		
20005	177	10728	520	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelk	R	06/01/09	06/01/12	02/20/08	\$2,887,800		12 months		
20003	240	10306	525	Line - Cyril to Medicine Park Jct 69 kV	R	06/01/09	06/01/09	02/13/08	\$750,000		16 months		
20003	241	10307	525	Line - Anadarko - Georgia Tap 138 kV	R	06/01/09	06/01/09	02/13/08	\$1,124,000		16 months		
20003	242	10308	525	Line - Elmore - Paoli 69 kV	R	06/01/09	06/01/09	02/13/08	\$3,240,000		12 months		
20003	243	10309	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	R	06/01/09	06/01/09	02/13/08	\$2,753,800		12 months		
20003	243	10310	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	R	06/01/09	06/01/09	02/13/08	\$2,250,000		12 months		
20003	243	10311	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	R	06/01/09	06/01/09	02/13/08	\$5,000,000		12 months		
20003	244	10312	525	XFR - Paoli 138 kV/69 kV Transformer	R	06/01/08	06/01/09	02/13/08	\$1,500,000		12 months		
20004	246	10314	526	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	R	12/31/08	06/01/09	02/13/08	\$5,000				SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then.
20004	246	10315	526	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	R	12/31/08	06/01/09	02/13/08	\$5,000				SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then.
20004	247	10316	526	Line - Curry County Interchange-Farmers Electric REC-Cloviss 115 kV	R	12/31/08	06/01/09	02/13/08	\$5,000				This terminal upgrade is needed only after the North Clovis Substation is upgraded to the 115 kV circuit, which won't be in-service until 2010.
20004	249	10320	526	Multi - Seven Rivers - Pecos - Potash 230 kV	R	06/01/09	06/01/09	02/13/08			30 months		
20004	249	10321	526	Multi - Seven Rivers - Pecos - Potash 230 kV	R	06/01/09	06/01/09	02/13/08	\$15,891,640		30 months		
20004	249	10322	526	Multi - Seven Rivers - Pecos - Potash 230 kV	R	06/01/09	06/01/09	02/13/08	\$750,000		30 months		
20004	156	10325	526		R	06/01/11	06/01/09	02/13/08	\$11,922,643				
20004	156	10326	526		R	06/01/10	06/01/09	02/13/08	\$16,094,371				
20004	156	10327	526		R	06/01/10	06/01/09	02/13/08	\$12,577,500				
20004	156	10328	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	R	06/01/10	06/01/09	02/13/08	\$15,848,000				
20004	156	10329	526		R	06/01/10	06/01/09	02/13/08	\$10,771,825				
20004	156	10330	526		R	06/01/10	06/01/09	02/13/08	\$10,766,250				
20004	156	10331	526		R	06/01/10	06/01/09	02/13/08	\$5,846,295				
20004	252	10332	526	XFR - Yoakum County Interchange 230/115 kV	R	06/01/09	06/01/09	02/13/08	\$4,101,185		24 months		
2004	256	10336	534	Line - Johnson - Pioneer 115 kV	PL	06/01/09	-	-	\$10,650,000			Cancelled	Internal reassessment is underway; project has not received budget authorization.
257	10337	534	Line - Ulysses Plant 69 kV	PL	06/01/09	-	-	-				Cancelled	Internal reassessment is underway; project has not received budget authorization.
253	10333	536	Line - Jarballo - 166th Street 115 kV	TS	09/18/08	06/01/09	05/29/07			\$3,339,680	18 months		
253	10334	536	Line - 166th - Jaggard Junction 115 kV Rebuild	TS	12/01/09	06/01/09	05/29/07	\$7,943,430			18 months		5639248; Interim mitigation is implementation of Transmission Operating Directive 80C
253	10335	536	Line - Jaggard Junction - Pentagon 115 kV Rebuild	TS	12/01/09	06/01/09	05/29/07				18 months		Interim mitigation is implementation of Transmission Operating Directive 80C
20006	260	10343	536	Line - Reno - Circle 115 kV	R	03/31/09	06/01/09	02/13/08	\$4,056,582		18 months		Rebuild will be done as part of Wichita - Reno County 345 kV; Reviewing the connections of the Reno County - Circle 115 kV lines
183	10232	536	Line - Wichita - Reno County 7 345 kV Ckt	EU	12/15/08	-	-				24 months		In-service cost: \$82,372,230
183	10233	536	XFR - Reno County 345/115 kV Ckt 1	EU	12/15/08	-	-	\$74,211,804			24 months		Transformer costs included in line project costs
262	10345	536	Line - Reno County-Summit 345 kV ckt 1	EU	06/01/10	-	-				24 months		
262	10346	536	XFR - Reno County 345/115 kV #2	EU	12/01/09	-	-	\$100,618,016			24 months		Project costs include rebuilding of 115 kV and 230 kV underlying system on same ROW
20006	265	10348	536	XFR - Stranger Creek 345/115 #2 Addition	R	06/01/09	06/01/09	02/13/08	\$8,300,000		24 months		
20006	266	10349	536	Line - Circle - HEC GT 115 kV Rebuild	R	06/01/09	06/01/09	02/13/08	\$710,000		18 months		Interim mitigation is redipatch of HEC GT units.
20006	267	10350	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	R	06/01/11	06/01/09	02/13/08			12 months	Cancelled	
20006	267	10351	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	R	06/01/11	06/01/09	02/13/08	\$5,536,000		12 months	Cancelled	
20006	267	10352	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	R	06/01/11	06/01/09	02/13/08			12 months	Cancelled	UVLS operational in Newton Division. Adjustment of CTs at Halstead and Newton to increase line rating is interim mitigation.
20019	577	10738	536	Line - Kelly - Seneca 115 kV	R	12/01/10	06/01/09	11/17/08	\$4,312,000		24 months		Mitigation is putting the Clifton Unit (539655) on and increasing the output as needed to relieve the line loading. Project has been suspended after TransCanada study determined that this line did not need to be constructed.
20019	578	10739	536	Line - Knob Hill - Steele City 115 kV	R	06/01/10	06/01/09	11/17/08	\$14,747,500		48 months		Mitigation is putting the Clifton Unit (539655) on and increasing the output as needed to relieve the line loading. Project has been suspended after TransCanada study determined that this line did not need to be constructed.
273	10356	540	Multi - 161kV Tap of Nashua to Liberty West	PL	06/01/11	-	-	\$1,350,000			12-18 months		
273	10357	540	Multi - 161kV Tap of Nashua to Liberty West	PL	06/01/11	-	-				12-18 months		
275	10359	540	Multi - 161kV Tap of Platte City to Stranger Creek	R	06/01/09	-	-				12-18 months		
275	10360	540	Multi - 161kV Tap of Platte City to Stranger Creek	PL	06/01/09	-	-	\$7,127,000			12-18 months		
278	10361	540	Line - Longview - Sampson 161 kV	PL	06/01/10	-	-	\$1,250,000			12-18 months		
278	10362	540	Line - Sampson - Grandview East 161 kV	PL	06/01/10	-	-	\$1,250,000			12-18 months		
279	10363	541	Line - Craig - Lenexa 161 kV	PL	06/01/09	-	-	\$192,000			6 months		
280	10364	541	Line - College - Craig 161 kV	TS	06/01/09	06/01/11	05/31/07	\$1,193,400			24 months		
20010	282	10366	544	Line - Sub 389-Joplin Southwest - Sub 422-Joplin 24th & Connecticut 161 kV	R	06/01/09	06/01/09	02/13/08	\$5,000		6 months		
Year 2010													
288	10374	520	Line - Valliant Substation - Install 345 kV terminal equipment	TS	04/01/12	07/01/12	10/11/06	\$3,840,000			24 months		Notification received from the SPP concurring with the new in-service date due to the delay of the Turk plant
289	10375	520	Line - Clinton City Wave Tap	TS	06/01/10	06/01/10	10/17/06	\$122,000			9 months		
20000	291	10377	520	Line - Bann - Lonestar Ordinance Tap 69 kV	R	06/01/10	06/01/10	02/13/08	\$25,000		6 months		
20000	292	10378	520	Line - Greggotn - Lake Lamond 69 kV	R	06/01/10	06/01/10	02/13/08	\$1,496,000		24 months		
20000	294	10380	520	Line - North Mineola - Mineola 69 kV	R	06/01/10	06/01/10	02/13/08	\$350,000		15 months		
295	10381	520	Line - Coffeyville Tap - Dearing - 138 kV	TS	06/01/10	06/01/10	06/26/07	\$1,008,000			24 months		
20000	297	10383	520	Line - Quilman - Westwood 69 kV	R	06/01/10	06/01/10	02/13/08	\$3,827,000		24 months		
299	10385	523	Multi-Kansas Tap - Sloom City 161kV	R2	06/01/10	06/01/15	-	\$4,212,500			24 months		
299	10386	523	Multi-Kansas Tap - Sloom City 161kV	R2	06/01/10	06/01/15	-	\$1,700,000			24 months		
20001	300	10387	523	Line - Kerr - 412 Sub 161 kV Rebuild (Line - Kerr - Kerr Tap)	R	06/01/10	06/01/10	02/13/08	\$950,000		24 months		
20001	301	10388	523	XFR - Sallisaw 161/69 kV Auto #2	R	06/01/10	06/01/08	02/13/08	\$3,000,000				Installing cap bank to support voltage until 2nd autoxfmr is in place. This cap bank won't be in service until summer of 2009. In the event of a contingency, the voltage falls to 0.89pu and in reality we would max out voltage regulators and let this ride, unless we received concerns from our customer and then we would have to shed load.

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	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	Project Status Comments
302	10389	523	Line - Siloam Springs Tap - Siloam City	PL	06/01/10	-	-	-	\$3,210,200	-	24 months		
302	10390	523	XFR - Siloam Springs Tap 345/161kV	PL	12/01/11	-	-	-	\$8,019,000	-	24 months		
		524	Line - Northwest - Woodward 345kV	PL	12/31/09	-	-	-	\$172,000,000	-			
		524	Line - Fitzhugh - Helberg 161 kV	PL	06/01/10	-	-	-	\$1,416,000	-			
310	10392	524	Line - Great Lakes Carbon - Altus 161 kV	PL	12/31/10	-	-	-	\$543,000	-			
310	10393	524	Line - Altus - Fitzhugh 161 kV	PL	12/31/10	-	-	-	\$860,000	-			
310	10394	524	Line - Igo - Noark 161 kV	PL	12/31/10	-	-	-	\$2,984,000	-			
310	10395	524	Line - Little Spadra - Igo 161 kV	PL	06/01/10	-	-	-	\$2,112,000	-			
310	10396	524	Line - Noark - Great Lakes Carbon 161 kV	PL	12/31/10	-	-	-	\$522,000	-			
309	10397	524	Line - Park Lane - Ahlose Tap 69 kV	PL	06/01/10	-	-	-	\$50,000	-			
310	10398	524	Line - Razorback - Igo 161 kV	PL	06/01/10	-	-	-	\$500,000	-			
310	10399	524	Line - Razorback - Short Mountain 161 kV	PL	06/01/10	-	-	-	\$500,000	-			
310	10400	524	Line - Short Mountain - Branch 161 kV	PL	06/01/10	-	-	-	\$3,231,000	-			
523	10668	524	Line - Rose Hill - Sooner 345 kV	TS	06/30/12	06/01/16	06/27/07	-	\$45,000,000	-	42 months		
20003	311	10401	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	R	06/01/10	06/01/10	02/13/08	-	\$2,065,000	-	12 months		
20003	311	10402	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	R	06/01/10	06/01/10	02/13/08	-	\$1,601,000	-	12 months		
20003	311	10403	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	R	06/01/10	06/01/10	02/13/08	-	\$1,577,000	-	12 months		
20003	312	10404	Line - Alva - Cherokee SW 69 kV	R	06/01/08	06/01/10	02/13/08	-	\$150,000	-	6 months		
313	10405	525	Line - Vallant - Hugo 345 kV	TS	07/01/12	06/01/12	10/17/06	-	\$11,000,000	-	24 months		
314	10406	525	XFR - Vallant 345/138 kV	TS	07/01/12	06/01/12	10/17/06	-	\$5,000,000	-	24 months		
20004	248	10317	Multi - State Line-Graves Project 230/115 kV transformer & 115 kV line	R	06/01/10	06/01/09	02/13/08	-	\$10,585,000	-	30 months		
20004	248	10318	Multi - State Line-Graves Project 230/115 kV transformer & 115 kV line	R	06/01/10	06/01/09	02/13/08	-	\$10,585,000	-	30 months		
20004	248	10319	Multi - State Line-Graves Project 230/115 kV transformer & 115 kV line	R	06/01/10	06/01/09	02/13/08	-	\$10,585,000	-	30 months		
20004	315	10407	Line - Roosevelt County Interchange 115 kV - Curry County Interchange 115 kV	R2	06/01/10	06/01/15	-	-	\$200,000	-	6 months		Will need additional study
19989	316	10409	Line - S Hays - Hays Plant	R	06/01/10	06/01/08	02/02/07	-	\$2,819,000	-	18 months		Project removed from 2009 STEP. NTC to be withdrawn
318	10412	536	Line - Coffeyville - Dearing 138 kV	TS	06/01/10	06/01/10	06/27/07	-	\$2,819,000	-	18 months		Cost is WERE portion only
20006	319	10413	Line - Cowskin-Westlink-Tyler-Hoover 69 kV Rebuild	R	-	06/01/10	02/13/08	-	\$830,000	-			Project may be revised because of extensive distribution underbuild; Investigating addition of Hoover 138-69 #3; Tyler - Westlink 69 kV line is currently operated open as two radials; Combined rebuilding costs is \$4,439,500. Uprate terminal equipment on Evans - Lakewood - Hoover 138 kV until line is rebuilt in 2012
20006	319	10414	Line - Cowskin-Westlink-Tyler-Hoover 69 kV Rebuild	R	-	06/01/10	02/13/08	-	\$1,010,000	-			
20006	319	10415	Line - Cowskin-Westlink-Tyler-Hoover 69 kV Rebuild	R	-	06/01/10	02/13/08	-	\$770,000	-			
20006	321	10417	Line - Oaklawn - Oliver 69 kV	R	06/01/10	06/01/10	02/13/08	-	\$1,292,500	-	12 months		
20006	323	10419	Line - West McPherson - Wheatland 115 kV	R	12/15/09	06/01/10	02/13/08	-	\$3,949,405	-	12 months		
325	10421	536	XFR - Weaver 138/69 kV #2 Addition	PL	06/01/15	-	-	-	\$1,200,000	-	16 months		Deferred
20006	326	10422	Line - Lawrence Energy Center Unit 4 - Jarbalo 115 kV Rebuild	R	06/01/10	06/01/10	02/13/08	-	\$9,700,000	-	12 months		
20006	328	10424	Line - Reno(Circle) - Moundridge Project 115 kV Rebuild	R	06/01/10	06/01/10	02/13/08	-	\$5,800,000	-	18 months		Rebuild will be done as part of Wichita - Reno County 345 kV.
20006	330	10426	Multi - Fort Scott - Marmaton/Litchfield 161kV	R	-	06/01/10	02/13/08	-	\$5,000,000	-	18 months		Mitigation is power factor correction on 69 kV system between Marmaton and Litchfield.
20006	330	10427	Multi - Fort Scott - Marmaton/Litchfield 161kV	R	-	06/01/10	02/13/08	-	\$2,400,000	-	18 months		Mitigation is power factor correction on 69 kV system between Marmaton and Litchfield. Project costs are for Westar Energy portion only; Public hearing held; Technical hearing held; Project costs include rebuilding of 13 kV underlying system on same ROW
529	10674	536	Line - Rose Hill - Sooner 345 kV	TS	12/01/11	06/01/16	06/27/07	-	\$84,669,696	-	24 months		Project costs include rebuilding of 13 kV underlying system on same ROW
271	10354	539	Line - Spearville - Judson Large 115 kV Ckt 2	PL	-	-	-	-	\$8,310,000	-	12 months	Cancelled	Internal reassessment is underway; project has not received budget authorization.
271	10355	539	XFR - Spearville 230/115kV	PL	-	-	-	-	\$4,800,000	-	6 months	Cancelled	Internal reassessment is underway; project has not received budget authorization.
331	10428	540	Line - Clinton MIPU - Clinton AECI 161 kV	PL	01/01/10	-	-	-	\$2,418,750	-			This project has been postponed since some of the loads in the Clinton area will be transferred to the new Osceola 161/34.5 kV Sub
332	10429	540	XFR - Sibley 161/69kV	PL	06/01/10	-	-	-	\$2,200,000	-			This project has been postponed since budget limitation. The problem will be mitigated by the existing operation guide
333	10430	540	Line - Ritchfield - Sibley 161 kV	PL	06/01/10	-	-	-	\$1,250,000	-	12-18 months		
334	10431	540	Line - Lone Jack - Greenwood 161 kV	PL	06/01/10	-	-	-	\$1,600,000	-	24 months		
335	10432	540	Line - Hallmark - Ritchfield 161 kV	PL	06/01/10	-	-	-	\$1,250,000	-	12-18 months		
336	10433	540	Line - Nevada Plant - Nevada Tap 69 kV	PL	06/01/10	-	-	-	\$711,000	-	-	Cancelled	TO planned project.
338	10435	544	Line - SUB 184 - NEOSHO SOUTH JCT. - Neosho (SWPA) 161 kV	PL	06/01/10	06/01/10	09/22/06	-	\$1,215,000	-	12 months		
339	10436	546	XFR - SWPS Bus - SWPS #2 161 kV	PL	10/01/10	-	-	-	\$3,200,000	-	24 months		Related to SW2 being added to the models; This will go to the review committee
Year 2011													
20000	343	10440	Line - Winnsboro - Magnolia Tap 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$250,000	-	15 months		
20000	108	10441	Line - North Market - Arsenal Hill 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$3,210,000	-	24 months		
20000	345	10442	Line - Magnolia - Forest Hill 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$125,000	-	15 months		
20000	346	10443	Line - Forest Hills - Qulman 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$100,000	-	15 months		
20000	347	10444	Line - Woodlawn - Baldwin 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$2,000,000	-	18 months		
20000	348	10445	Line - Dyess - Tontitown 161 kV	R	06/01/11	06/01/11	02/13/08	-	\$224,000	-	12 months		
349	10446	520	Line - Ashdown - Okay 115 kV	GI	06/01/11	-	-	-	\$7,810,000	-	60 months		
349	10447	520	Line - Ashdown - Patterson 138 kV	GI	12/31/11	-	-	-	\$11,431,000	-	60 months		
349	10448	520	Line - MCNAB REC - Turk 115 kV	GI	12/31/11	-	-	-	\$1,773,000	-	60 months		
349	10449	520	Line - MCNAB REC - Turk 115 kV recon	TS	12/31/11	04/01/12	-	-	\$540,000	-	60 months		
349	10450	520	Line - McNab REC - Hope	TS	12/31/11	04/01/12	-	-	\$2,170,000	-	60 months		SPP to confirm if AECC McNab switches and strain bus need to be replaced. Changed from PL. 2006 AG.
349	10451	520	XFR - Okay 115/69 kV	GI	12/31/11	-	-	-	\$3,266,000	-	60 months		Replacement not needed in 2009 due to re-rating, but replacement needed in 2011 due to voltage conversion associated with Turk
349	10452	520	Line - Okay 115 - Turk 138 kV	GI	12/31/11	-	-	-	\$8,170,000	-	60 months		
20013	30142	50148	Line - Turk - NW Texasiana 345 kV	TS	12/31/11	07/01/12	06/24/08	-	\$48,058,000	-	60 months		
20013	30142	50149	Line - Turk - NW Texasiana 345 kV	TS	12/31/11	07/01/12	06/24/08	-	\$48,058,000	-	60 months		
20013	30142	50150	Line - Turk - NW Texasiana 345 kV	TS	12/31/11	07/01/12	06/24/08	-	\$48,058,000	-	60 months		
349	10456	520	XFR - Turk 345/138 kV	TS	12/31/11	-	-	-	\$7,310,000	-	60 months		
349	10457	520	XFR - Turk 138/115 kV #1	GI	12/31/10	-	-	-	\$7,806,000	-	48 months		
350	10469	520	Line - Bann - Red Springs REC	GI	12/31/11	-	-	-	\$277,000	-	60 months		
351	10460	AECC	Line - Hope - Fulton 115 kV Recond	PL	06/01/11	-	-	-	\$1,512,000	-			
351	10461	AECC	Fulton Switching Station	PL	06/01/11	-	-	-	\$440,000	-			
354	10463	524	Line - Muldrow to 3rd St. 69 kV	R	06/01/11	06/01/11	02/13/08	-	\$100,000	-			
20003	356	10466	Line - Medicine Park Jct - Fletcher 69 kV	R	06/01/09	06/01/11	02/13/08	-	\$1,230,000	-	16 months		
357	10467	525	XFR - Anadarko 138/69 kV	TS	06/01/11	06/01/11	01/02/07	-	\$2,000,000	-	16 months		
20003	358	10468	Line - Franklin SW - Midwest Tap 138 kV	R	06/01/07	06/01/11	02/13/08	-	\$100,000	-	12 months		
20003	360	10470	Line - South Brown - Russett 138 kV	R	01/01/07	12/01/11	02/13/08	-	\$100,000	-			
20003	361	10471	Line - Fletcher - Marlow Jct 69 kV	R	06/01/09	06/01/11	02/13/08	-	\$2,000,000	-	16 months		
19987	362	10472	XFR - Crosby County Interchange 69 kV - Crosby County Interchange 115 kV	R	-	06/01/11	02/02/07	-	\$1,426,786	-	18 months		Studies will be conducted to further analyze 69 kV system.
20004	363	10473	Line - Whitaker Sub - East Plant Interchange 115 kV	R	06/01/09	06/01/11	02/13/08	-	\$100,000	-	18 months	Cancelled	No Project. Wrong ratings were used in STEP study.
20006	369	10482	Line - SW Lawrence - Wakarusa 115 kV Rebuild	R	-	06/01/11	02/13/08	-	\$2,000,000	-	18 months		
20006	370	10483	Line - Co-op - Wakarusa	R	-	06/01/11	02/13/08	-	\$760,000	-	18 months		

Southwest Power Pool
Project Tracking Report

NTC ID	FD	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification To Construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
374	10487	536	Line - Creswell - Oak 69 kV		R2	06/01/15	06/01/13		\$2,000,000		18 months		
375	10488	536	XFR - Rose Hill 345/138 kV #3 Addition		TS	06/01/11	06/01/11	06/27/07	\$8,100,000		24 months		
377	10490	541	Line - Paola - Middle Creek 161 kV		PL	06/01/11	-		\$2,622,850		18 months		
378	10491	541	Line - North Louisburg - Middle Creek 161 kV		PL	06/01/11	-		\$12,179,000		24 months		
20010	381	10494	Line - Boston East - Jasper west Tap 69 kV Rebuild		R	-	06/01/11	02/13/08	\$2,610,000		12 months		TO Zonal/local upgrade. Not for SPP reliability
20010	382	10495	Line - Baxter Spring West - Hockerville 69 kV		R	06/01/10	12/01/11	02/13/08	\$50,000		6 months		Operating Directive available
20010	383	10496	Line - Sub 152-Monett H.T. - Sub 383-Monett 69 kV		R	06/01/10	06/01/11	02/13/08	\$75,000		6 months		
20010	421	10547	Line - Sub 124 - Aurora H.T. - Sub 152 - Monett H.T. 69 kV		R	06/01/10	06/01/11	02/13/08	\$5,000		6 months		
352	10730	544	Line - Oronogo Junction - Riverton 161 kV Record		TS	06/01/11	06/01/11	01/10/08	\$5,750,000		24 months		
499	10644	544	XFR - Oronogo - 161/69 kV		TS	06/01/11	06/01/11	01/10/08	\$4,000,000		36 months		
Year 2012													
386	10500	TBD	Multi - Axtell-Knoell-Spearville		EU	06/01/12	-		\$73,000,000				
386	10501	TBD	Multi - Axtell-Knoell-Spearville		EU	06/01/12	-		\$69,000,000				
386	10502	TBD	Multi - Axtell - Comanche - Wichita		EU	06/01/12	-		\$47,000,000		48 months		
386	10503	TBD	Multi - Axtell - Comanche - Wichita		EU	06/01/12	-		\$180,000,000				
386	10504	TBD	Multi - Axtell-Knoell-Spearville		EU	06/01/12	-		\$10,000,000				
20000	296	10382	Line - Dyess - Elm Springs REC 161 kV		R	06/01/10	06/01/12	02/13/08	\$6,252,000		24 months		
20000	387	10505	Line - Riverside - Okmulgee 138 kV		R	06/01/12	06/01/12	02/13/08	\$125,000		15 months		
20000	388	10506	Line - New Boston - North New Boston 69 kV		R	06/01/12	06/01/12	02/13/08	\$100,000		15 months		
20000	389	10507	Line - SE Texarkana - Texarkana 69 kV		R	06/01/12	06/01/12	02/13/08	\$150,000		15 months		
20000	391	10509	Line - Lone Star South - Pittsburg 138kV		R	06/01/12	06/01/12	02/13/08	\$300,000		15 months		
20000	392	10510	Line - Howell - Kilgore 69 kV		R	06/01/12	06/01/12	02/13/08	\$2,700,000		18 months		
20001	393	10511	XFR - Alton 161/69 kV #2 Addition		R	06/01/11	06/01/12	02/13/08	\$2,500,000		24 months		
20001	394	10512	Line - Pensacola - Kerr 115 kV		R	06/01/11	12/01/12	02/13/08	\$10,000,000		24 months		
20002	395	10513	Line - OGE Russett - WFEC Russett 138kV		R	06/01/12	12/01/12	02/13/08	\$347,073		12 months		An SPP Flowgate
20002	396	10514	Breaker - Bodle 138 kV		R	06/01/12	06/01/12	02/13/08	\$1,000,000		12 months		Cost to install breaker plus relays at Bodle and replace relays at Caney Creek & OGE Brown
20002	397	10515	Multi - Mustang - Cimarron 138 kV		R	06/01/12	06/01/12	02/13/08	\$6,850,000		24 months		Project will be replaced pending an Out of Cycle review of Cimarron - Haymake
20002	397	10516	Multi - Mustang - Cimarron 138 kV		R	06/01/12	06/01/12	02/13/08	\$3,500,000		24 months		Project will be replaced pending an Out of Cycle review of Cimarron - Haymake
20002	89	10517	Line - OGE Paoli - WFEC Paoli 138 kV		R	-	06/01/12	02/13/08	\$500,000		12 months		***This cost is only the substation work, relay work, & breaker. OGE will be build 1/2 of the line, but the cost does not reflect this. OGE does not know the length of the line. The cost of building 1/2 of the line can be added to the OGE substation cost of \$500,000. TDH 7/27/07 Substation and relay work to be complete by end of 2009.
20003	398	10518	Line - OGE Paoli - WFEC Paoli 138 kV		R	06/01/12	06/01/12	02/13/08	\$1,900,000		12 months		
20003	399	10519	Line - Lindsay - Waltham 69 kV		R	06/01/12	06/01/12	02/13/08	\$1,347,000		12 months		
20003	400	10520	Line - Pharoah - Weleetka 138 kV		R	06/01/12	06/01/12	02/13/08	\$225,000		6 months		
20003	401	10521	Line - WFEC Russell 138 kV - AEP Altus Jct Tap 138 kV		R	06/01/12	06/01/12	02/13/08	\$50,000		6 months		
20003	402	10522	Multi - Granfield - Cache SW 138 kV		R	06/01/12	06/01/12	02/13/08	\$1,125,000		12 months		
20003	402	10523	Multi - Granfield - Cache SW 138 kV		R	06/01/12	06/01/12	02/13/08	\$7,306,000		24 months		
20003	402	10524	Multi - Granfield - Cache SW 138 kV		R	06/01/12	06/01/12	02/13/08	\$5,000,000		24 months		
20003	403	10525	XFR - Comanche 138/69 kV Transformer		R	06/01/09	06/01/12	02/13/08	\$210,000		24 months		
20004	404	10527	Line - Hasting - Van Buren 69 kV		R	-	06/01/12	02/13/08	\$1,380,000		30 months	Cancelled	No Project: The recommended reconductor will not be necessary after the Channing & Tascosa loads are converted to 115 kV (IS 2010)
20004	407	10531	Line - Northwest - North Amariillo SW 69 kV		R	-	06/01/12	02/13/08	\$963,000		30 months	Cancelled	No Project: The recommended reconductor will not be necessary after the Channing & Tascosa loads are converted to 115 kV (IS 2010)
20004	409	10533	XFR - Hereford 115/69 kV Ckt 1 and Ckt 2		R	-	06/01/12	02/13/08	\$1,260,000		24 months	Cancelled	No Project. New system configuration mitigates this project.
20004	409	10534	XFR - Hereford 115/69 kV Ckt 1 and Ckt 2		R	-	06/01/12	02/13/08	\$1,260,000		24 months	Cancelled	No Project. New system configuration mitigates this project.
20006	410	10535	Line - Circle - Ark Valley - Tower 33 115 kV		R	-	06/01/12	02/13/08	\$2,700,000		18 months		Project not required: Circle - Ark Valley 115 kV is a radial
20006	410	10536	Line - Circle - Ark Valley - Tower 33 115 kV		R	-	06/01/12	02/13/08	\$2,306,250		18 months		
20006	411	10537	Line - Lawrence Hill - Wren 115 kV Rebuild		R	-	06/01/12	02/13/08	\$1,400,000		18 months		
20006	412	10538	Line - 64th - Minneha 69 kV Rebuild		R	06/01/12	06/01/12	02/13/08	\$1,300,000		18 months	Cancelled	Project not required: Lawrence - Wren 115 kV is a radia
20006	413	10539	Line - Eastborough - Minneha 69 kV Rebuild		R	-	06/01/12	02/13/08	\$680,000		18 months		
20009	379	10492	Line - Hillsdale - Cedar Niles 161 kV		R	06/01/12	06/01/13	02/13/08	\$5,418,700		24 months		TO Zonal/local upgrade. Not for SPP reliability. Delayed 2 year; mitigation not needed
20009	414	10540	Line - Cedar Niles - Quarry 161 kV		PL	06/01/12	-		\$3,756,500		24 months		TO Zonal/local upgrade. Not for SPP reliability
20009	416	10542	Line - West Gardner Tap 345 kV		R	06/01/12	06/01/12	02/13/08	\$1,740,500		24 months		kcp1 declines project due to scenario case dispatch; SPP staff to review the need for this projec
20009	417	10543	Line - Avondale-Gladstone 161 kV		R	06/01/12	06/01/12	02/13/08	\$13,000		6 months		
20010	420	10546	Line - Jamesville - Sub 415-Blackhawk Jct. 69 kV		R	06/01/12	06/01/12	02/13/08	\$50,000		6 months		
20010	422	10548	Multi - Sub 170 - Nichols St. - Sub 359 - Republic East 69 kV		R	-	06/01/12	02/13/08	\$4,550,000		18 months		
20010	422	10549	Multi - Sub 170 - Nichols St. - Sub 359 - Republic East 69 kV		R	-	06/01/12	02/13/08	\$4,550,000		18 months		
424	10552	546	Line - Southwest - Brookline 161 kV		PL	06/01/12	-		\$450,000		24 months		Reconductor is complete but terminals need to be upgraded
425	10553	546	Line - Southwest - Southwest Disposal 161 kV		PL	06/01/12	-		\$175,000		24 months		Reconductor is complete but terminals need to be upgraded
426	10554	546	Line - Southwest Disposal - Battiefeld 161 kV		PL	06/01/12	-		\$675,000		24 months		Reconductor is complete but terminals need to be upgraded

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification To Construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
Year 2013													
	429	10588	524	Line - Tarby 161kV	PL	01/15/09	-		\$198,534		12 months	Completed	Motorize L&M switches for Tarby Breaker 183 for Breaker Failure Contingency TPL-003. Project complete by 1/15/2009
	317	10411	534	Line - Scott City - Manning Tap 115 kV	PL	01/01/13	-		\$1,500,000		9 months	Cancelled	Internal reassessment is underway; project has not received budget authorization.
	365	10476	534	Line - Manning Tap - Dighton Tap 115 kV	PL	-	-		\$2,100,000			Cancelled	Internal reassessment is underway; project has not received budget authorization.
	366	10477	534	Line - Holcomb - Fletcher 115 kV	PL	-	-		\$1,500,000			Cancelled	Project for local upgrade only. Contingent on Holcomb Unit 2 construction.
	365	10478	534	Line - Dighton Tap - Beeler 115 kV	PL	-	-		\$3,150,000			Cancelled	Project for local upgrade only. Contingent on Holcomb Unit 2 construction.
	365	10479	534	Line - Beeler - Ness City 115 kV	PL	-	-		\$1,800,000			Cancelled	Project for local upgrade only. Contingent on Holcomb Unit 2 construction.
20014	367	10480	534	Line - Pymell - Pioneer Tap 115 kV	R	12/31/09	06/01/09	09/22/08	\$3,200,000			Cancelled	Currently in engineering design and cost review. Mitigation is to reduce generation in area 534 and increase in area 539 as needs to relieve overload.
	368	10481	534	XFR - Spearville 345/230 kV	PL	-	-		\$4,500,000			Cancelled	Project for local upgrade only. Contingent on Holcomb Unit 2 construction.
	433	10563	536	Line - Yost - Moundridge	R2	-	06/01/13		\$150,000		18 months	Completed	
	414	10541	541	Line - Quarry - Clare	PL	06/01/13	-		\$1,385,000		18 months	Completed	TO Zonal/local upgrade. Not for SPP reliability
20009	470	10506	541	Multi - Joplin 59 - Joplin 26th St. 16169 kV transformer. Sub 439 Stateline 161 kV	R	-	06/01/13	02/13/08	\$3,553,000		18 months	Completed	Project for local upgrade only. Contingent on Holcomb Unit 2 construction. Currently in engineering design and cost review. Mitigation is to reduce generation in area 534 and increase in area 539 as needs to relieve overload.
	418	10544	541	Multi - Waldron Sub	PL	06/01/13	-		\$1,632,300		18 months	Completed	TO Zonal/local upgrade. Not for SPP reliability
	418	10545	541	Multi - Waldron Sub	PL	06/01/13	-				18 months	Completed	TO Zonal/local upgrade. Not for SPP reliability
	437	10567	544	Line - Riverton - Galena Northeast 69 kV	R2	06/01/14	06/01/13		\$75,000		12 months	Completed	2007 Expansion plan date changed from 06/01/2008 to 06/01/2209
20010	439	10569	544	Multi - Joplin 59 - Joplin 26th St. 16169 kV transformer. Sub 439 Stateline 161 kV	R	-	06/01/13	02/13/08	\$9,200,000		48 months	Completed	
20010	439	10570	544	Multi - Joplin 59 - Joplin 26th St. 16169 kV transformer. Sub 439 Stateline 161 kV	R	-	06/01/13	02/13/08	\$7,182,217		48 months	Completed	
20010	440	10571	544	Line - Diamond Jct - Sarcoxie SW 69 kV	R	-	06/01/13	02/13/08	\$2,274,000		18 months	Completed	
20011	441	10572	546	Line - Kickapoo - Sunset 69 kV	R	06/01/12	02/13/08		\$805,000		24 months	Completed	
20011	442	10573	546	Multi - Brookline - Summit 345 kV	R	-	06/01/13	02/13/08	\$29,000,000		60 months	Completed	The addition of Southwest #2 generator defers the need for this project.
20011	442	10574	546	Multi - Brookline - Summit 345 kV	R	-	06/01/13	02/13/08			60 months	Completed	The addition of Southwest #2 generator defers the need for this project.
Year 2014													
	443	10575	520	Line - Osborne - Osborne Tap	R2	-	06/01/14		\$2,000,000		24 months	Completed	
	445	10577	520	Line - Big Sandy - Peirce 69kV	R2	06/01/14	06/01/14		\$5,400,000		18 months	Completed	
	446	10578	520	Line - Coffeyville Tap - North Bartlesville - 138 kV	R2	-	06/01/14		\$13,000,000		24 months	Completed	
	447	10579	520	Line - Waleeka-East Central Henryetta 138 kV Reconductor	R2	-	06/01/14		\$10,700,000		24 months	Completed	
	448	10580	520	Line-CARTHAGE REC POD-ROCK Hill 138 kV upgrade ct	R2	-	06/01/14		\$100,000		9 months	Completed	
	449	10581	520	Line - Carthage - Rock Hill	R2	-	06/01/14		\$50,000		9 months	Completed	
20000	450	10582	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	R	06/01/14	06/01/14	02/13/08	\$9,000,000		60 months	Completed	Replaces Decatur-Centerton 345 kV project. Reconductoring Flint Creek-East Centerton 161 kV by 2010 defers the need for this 345 kV project until 2014.
	451	10583	520	Line - Chamber Springs - Farmington	R2	06/01/14	06/01/14		\$6,000,000		24 months	Completed	This upgrade would result in the Siloam Springs-Prairie Grove-Greenland 69 to 161 kV conversion and Greenland-South Fayetteville 161 kV line not being needed within the 10 year planning horizon.
20000	450	10584	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	R	06/01/14	06/01/14	02/13/08	\$11,000,000		48 months	Completed	
20000	450	10585	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	R	06/01/14	06/01/14	02/13/08	\$30,000,000		60 months	Completed	
	452	10586	520	XFR - Whitney 138/69 kV	R2	-	06/01/14		\$350,000		18 months	Completed	Re-rating autotransformers. However, leave this row in because switches will need to be replaced
	454	10588	520	Line - Bartlesville Southeast - North Bartlesville 138 kV	R2	-	06/01/14		\$10,000,000		24 months	Completed	
	456	10592	524	Line - Ft Smith - Akoma	R2	05/31/08	06/01/14		\$107,000	\$130,186	12 months	Completed	Replace 1200A terminal equipment to 2000A.
	457	10593	524	Line - Ada OC Pump - Ada OC Pump Tap 69 kV	R2	-	06/01/14		\$1,640,000		24 months	Completed	
	458	10594	524	Line - Franklin SW - Midwest TP 138 kV	R2	-	06/01/14		\$500,000		12 months	Completed	
	459	10595	524	Line - Earlsboro - Fixco 69 kV	R2	-	06/01/14		\$150,000		8 months	Completed	
	460	10596	524	Line - Wildhorse - Ratliff 69 kV	R2	-	06/01/14		\$75,000		8 months	Completed	
	463	10599	536	Line - East Manhattan - SW Manhattan 115kV	R2	-	06/01/14		\$3,337,500		18 months	Completed	Timing is based on voltage
	463	10600	536	Line - East Manhattan - JEC 230kV	R2	-	06/01/14		\$20,250,000		24 months	Completed	
	463	10601	536	XFR - East Manhattan 230/115 kV #2	R2	06/01/10	06/01/14		\$12,285,000		18 months	Completed	
	463	10602	536	Line - East Manhattan - McDowell 115 kV - 230 kV conversion	R2	06/01/11	06/01/14		\$4,100,000		12 months	Completed	
	467	10603	536	Line - Gill - Interstate 138 kV Uprate	R2	06/01/14	06/01/14		\$60,000		18 months	Completed	
	468	10604	536	Line - Arkansas City - Paris	R2	06/01/14	06/01/14		\$563,625		12 months	Completed	
	473	10609	546	Line - James River - Twin Oaks 69 kV	R2	06/01/14	06/01/14		\$979,000		24 months	Completed	
	473	10610	546	Line - James River - Seminole	R2	06/01/16	06/01/14		\$1,600,000		24 months	Completed	
Year 2015													
	477	10614	520	Line - Baldwin - Karnack Tap	R2	-	06/01/15		\$6,900,000		24 months	Completed	
	478	10615	520	Line - Forbing Tap - S Shreveport	R2	-	06/01/15		\$350,000		18 months	Completed	
	479	10616	520	Line - Georgia Pacific - Keatche - 138 kV	R2	-	06/01/15		\$12,630,000		24 months	Completed	
	481	10618	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$2,200,000		36 months	Completed	
	481	10619	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$3,800,000		36 months	Completed	
	481	10620	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$1,500,000		36 months	Completed	
	481	10621	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$2,600,000		36 months	Completed	
	481	10622	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$2,300,000		36 months	Completed	
	481	10623	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$1,000,000		36 months	Completed	
	481	10624	520	Multi - Bonanza - North Huntington 69kV	R2	-	06/01/15		\$14,900,000		36 months	Completed	
	482	10625	524	Line - 5 Tribes - Hancock	R2	-	06/01/15		\$3,300,000		24 months	Completed	
	484	10627	524	Line - Osage - Continental Blacks 69 kV	R	-	06/01/15		\$200,000		24 months	Completed	
	485	10628	524	Line - Kilgore - VBI 69 kV	R2	-	06/01/15		\$90,000		24 months	Completed	
	487	10630	526	XFR - Bowers 115/69 kV #2	R2	-	06/01/15		\$1,260,000		24 months	Completed	This needs additional study
	490	10635	536	Line - Bismark - Midland	R2	06/01/15	06/01/15		\$1,850,000		18 months	Completed	
	491	10636	536	Line - Bismark - COOP	R2	06/01/11	06/01/15		\$2,085,000		18 months	Completed	
	492	10637	536	Line - Gill Energy Center - Otaville 69 kV	R2	-	06/01/15		\$920,000		18 months	Completed	
	493	10638	536	Line - Jarbalo - Stranger Creek	R2	-	06/01/15		\$8,050,000		18 months	Completed	
	493	10639	536	Line - Stranger Creek - NW Leavenworth	R2	-	06/01/15		\$2,775,000		18 months	Completed	
	495	10640	536	Line - Lawrence Hill-Moundridge - 115 kV	R2	-	06/01/15		\$2,377,448		18 months	Completed	
	471	10607	544	Line - SUB 368 - DADEVILLE EAST - SUB 217 - FAIRPLAY EAST	R2	06/01/15	06/01/15		\$1,660,386		18 months	Completed	
	472	10608	544	Line - SUB EXPLORER SPRING CITY TAP - SUB 389 - JOPLIN SOUTHWEST 1	R2	-	06/01/15		\$1,550,000		12 months	Completed	
	496	10641	544	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1	R2	06/01/12	06/01/15		\$55,000		6 months	Completed	
	498	10643	544	Line - SUB 376 - MONETT CITY SOUTH J2 - SUB 376 - MONETT CITY SOUTH	R2	-	06/01/15		\$56,400		12 months	Completed	
	536	10681	544	Line - Monett City South - Monett City East 69 kV	R2	06/01/15	06/01/15		\$275,000		12 months	Completed	
	537	10685	544	Line - SUB 383 - MONETT 161kV - MONETT 5 161kV	R2	06/01/15	06/01/15		\$7,369,319		48 months	Completed	
	537	10686	544	XFR - MONETT 5 161kV - Monett City South 69kV	R2	06/01/15	06/01/15		\$8,000,000		36 months	Completed	

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTD Determined/Need Date	Letter of Notification To construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
Year 2016													
	503	10648	520	Line - Perdus - Diana	R2	-	06/01/16		\$750,000		15 months		
	504	10649	520	Line - Brown Lee - North Market	R2	-	06/01/16		\$4,700,000		24 months		
	505	10650	520	Line - SW Shreveport - Western Electric 138 kV	R2	-	06/01/16		\$2,900,000		24 months		
	506	10651	520	Line - Broken Arrow North - South Tap 138 kV	R2	-	06/01/16		\$5,000,000		18 months		
	507	10652	520	Line - Arsenal Hill - Fort Humburg 138 kV	R2	-	06/01/16		\$4,750,000		18 months		
	509	10654	520	Line - Centerton Station conv	R2	-	06/01/16		\$2,000,000		24 months		
	510	10655	520	Line - Mabud - Flacco Tap	R2	-	06/01/16		\$8,900,000		24 months		
20000	511	10656	520	Multi - Centerton - Osage Creek 345 kV	R	06/01/16	06/01/16	02/13/08	\$11,000,000		60 months		
	512	10657	520	Line - Ellerbe Road - Forbing Tap	R2	-	06/01/16		\$2,000,000		24 months		
	513	10658	520	Line - N Mineola- Oultman	R2	-	06/01/16		\$150,000		15 months		
20000	511	10659	520	Multi - Centerton - Osage Creek 345 kV	R	06/01/16	06/01/16	02/13/08	\$24,500,000		60 months		
20000	511	10660	520	Multi - Centerton - Osage Creek 345 kV	R	06/01/16	06/01/16	02/13/08	\$65,500,000		60 months		
	516	10661	523	XFR- Coffeyville 138/69 kV	R2	-	06/01/16		\$1,260,000		24 months		
20002	518	10663	524	Line - HSL East - HSL West 69 kV	R	-	06/01/16	02/13/08	\$250,000		12 months		
	519	10664	524	Line - Elm Creek - Little River Lake	R2	-	06/01/16		\$650,000		12 months		
	520	10665	524	Line - Park Line 138 kV	R2	06/01/16	06/01/16		\$500,000		12 months		
	521	10666	524	Line - Brown - Explorer Tap 138 kV	R2	-	06/01/16		\$75,000		12 months		
	522	10667	524	Line - Brown Tap - Explorer Tap 138 kV	R2	-	06/01/16		\$100,000		12 months		
	524	10669	525	Line - Gypsum - Russell 69kV	R2	06/01/16	06/01/16		\$900,000		18 months		
	525	10670	526	Line - DF Smith - DS #21 115 kV	R2	-	06/01/16		\$6,480,000		36 months		Invalid contingency - 2008 STEP Mitigations will provide additional information
	526	10671	526	XFR - DF Smith 230/115 kV	R	-	06/01/16		\$2,250,000		30 months		Transformer capable of 65Deg. C - checking on rating
20004	527	10672	526	Line - South Georgia Interchange - Osage Switching Station 115kV	R	06/01/16	06/01/16	02/13/08	\$1,300,000		30 months		Line to be re-rated to 100 degree C rating.
	533	10678	536	XFR - Auburn Road 230/115 kV	R2	06/01/13	06/01/16		\$12,622,500		24 months		
	534	10679	536	XFR - Halstead 138/69 kV #1	R2	06/01/15	06/01/16		\$1,400,000		24 months		
	540	10688	546	Line - Grand - Main	R2	-	06/01/16		\$1,000,000		24 months		SPRM does not think project is needed (not in MDWG models); Needs further study
	541	10689	546	Multi - Battlefield - Sunset 161 kV & 161/69 kV XF	PL	-	-		\$8,550,000		36 months	Cancelled	
	541	10690	546	Multi - Battlefield - Sunset 161 kV & 161/69 kV XF	PL	-	-				36 months	Cancelled	SPRM does not plan to build this project. Delete project from spreadsheet
Year 2017													
	542	10691	520	Line-Oklmulgee-East Central Henryetta138 kV Reconductor	R2	-	06/01/17		\$12,800,000		24 months		
	543	10692	520	Line - Longwood Oak Pan - Harr REC 138 kV	R2	-	06/01/17		\$1,530,000		18 months		
	545	10694	520	Line - South Shreveport - Southwest Shreveport Tap	R2	-	06/01/17		\$200,000		15 months		
	546	10695	520	Line - Hobart Junction - Carnegie	R2	-	06/01/17		\$26,150,000		36 months		Replaces AEP Snyder-WREC Snyder Project
	546	10696	520	Line - Carnegie - Fort Cobb	R2	-	06/01/17		\$11,030,000		36 months		Replaces AEP Snyder-WREC Snyder Project
	546	10697	520	Line - Fort Cobb- SW Station	R2	-	06/01/17		\$3,340,000		36 months		Replaces AEP Snyder-WREC Snyder Project
	549	10698	523	Line - Maid - Pryor Foundry South	R2	-	06/01/17		\$370,530		12 months		Needs additional study
	550	10699	523	Line - Maid - Redden	R2	-	06/01/17		\$370,530		12 months		Needs additional study
	551	10700	524	Multi-3rd-Massard convert 69-161kV	R2	-	06/01/17		\$1,570,000		24 months		
	551	10701	524	Multi-3rd-Massard voltage confersion	R2	06/01/12	06/01/17		\$2,850,000		24 months		
	552	10702	525	Line - Mooreland - Woodward 69 kV	R2	06/01/17	06/01/17		\$300,000		12 months		
	553	10703	525	XFR - Mooreland 138/ 69 kV XF	R2	06/01/17	06/01/17		\$705,000		24 months		
	554	10704	526	Line - Dalhart - Channing	R2	06/01/10	06/01/17				30 months		
	554	10705	526	Line - Channing - Tascosa	R2	06/01/10	06/01/17		\$27,452,677		30 months		
	554	10706	526	Line - Tascosa - Northwest	R2	06/01/10	06/01/17				30 months		
	557	10707	525	XFR - Lynn County 115/69 kV 3rd XF	R2	-	06/01/17		\$1,375,000		18 months		Response to 2008 STEP Mitigations will show proposed Brownfield Interchange Project, which mitigates this issue.
	558	10708	526	Line - Lyntegar REC-Brownfield 69 kV - Terry County Interchange 69 kV	R2	-	06/01/17		\$1,420,000		30 months		Response to 2008 STEP Mitigations will show proposed Brownfield Interchange Project, which mitigates this issue.
	559	10709	536	Line - Canal - Rutan	R2	-	06/01/17		\$560,250		12 months		
	560	10710	536	XFR - Creswell 135/69 kV #1	R2	06/01/17	06/01/17		\$850,000		24 months		
	561	10711	536	Line - Evans S4-Lakewood4 upgrades	R2	06/06/12	06/01/17		\$5,513,000		24 months		
	562	10712	536	XFR - Creswell 135/69 kV #2	R2	06/01/17	06/01/17		\$850,000		24 months		
	563	10713	536	Multi - Litchfield - Aquarius - HudsonJct. 69 kV Uprate	R2	06/01/17	06/01/17		\$30,000		12 months		
	563	10714	536	Multi - Litchfield - Aquarius - HudsonJct. 69 kV Uprate	R2	06/01/17	06/01/17				12 months		
	565	10715	540	Line - Clinton 161 - Clinton Green St 69 kV	PL	06/01/17	-		\$441,000		12 months		TO Zonal/local upgrade. Not for SPP reliability
	565	10716	540	Line - Clinton 161 - Clinton Plant 69 kV	PL	06/01/17	-		\$450,000		12 months		TO Zonal/local upgrade. Not for SPP reliability
	566	10717	541	Line - Merriam - Roeland Park 161 kV	R2	-	06/01/17		\$1,890,000		12 months		
	567	10718	541	Line - Martin City - Southtown 161 kV	R2	-	06/01/17		\$3,600,000		12 months		
	568	10719	541	Line - Sunflower - West Gardner 161 kV	PL	-	-		\$3,000,000		24 months		TO Zonal/local upgrade. Not for SPP reliability
	569	10720	544	Line - SUB 217 - FAIRPLAY EAST - SUB 602 - BOLIVAR PLANT 1	R2	-	06/01/17		\$2,636,153		18 months		

Southwest Power Pool
Project Tracking Report

NTC ID	PID	UID	Area	Project Name	Project Type EXP	Project Owner Indicated In-Service Date	RTC Determined/Need Date	Letter of Notification To Construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
Non - SPP Tariff Projects													
Year 2006													
19988	2	10002	515	XFR - Norfolk 161/69 kV	RN	09/01/06	06/01/06	02/02/07	\$1,300,000				
Year 2007													
34	10038	502		Line - Pineville - Shady Oaks 138 kV	PL	12/01/07	-		\$1,900,000	\$1,900,000	9 months		
35	10039	515		Line - SPA Hilltop - EES Hilltop 161 kV	PL	07/30/07	-		\$8,600,000				
36	10040	515		Line - Springfield - Brookline 161 kV	TS	06/01/07	06/01/08		\$390,000				
37	10041	515		Line - Sub 109 - Atlas Jct. - Carthage 161 kV	TS	05/01/07	06/01/07		\$88,000				
Year 2008													
99	10123	502		XFR- Carroll 230/138 kV	RN	06/01/08	06/01/08		\$960,000		6 months		
100	10124	502		Line - Bayou Warehouse-Ivanhoe 138 kV	RN	06/01/12	06/01/08		\$2,175,000		24 months		There is a mitigation plan to install a Phase shifting transformer at Ivanhoe to reduce the flow on the Bayou Warehouse to Moril 138 kV line, this would eliminate the overload. MVA This line is a tie line between Cleco and Entergy. It is believed by Cleco that the limiting element of the line exits at the Bayou Warehouse substation (Entergy). Cleco internal studies do not indicate a need for this upgrade until possibly 2012
101	10125	515		XFR - Eulaula #2	RN	06/01/09	06/01/08		\$7,500,000				Mitigation Plan provided
102	10126	515		XFR - NIXA 161/69	RN	06/01/08	06/01/08		\$1,500,000				
103	10127	515		Line - Brown - Brown 138kV	RN	06/01/08	06/01/08		\$50,000				
104	10128	515		Line - Springfield - Brookline 161 kV	TS	06/01/08	06/01/08		\$300,000				
20004	145	10184	Lea	Line - Lea County Fort - Lea County Higgins 69 kV	RN	-	06/01/08	02/13/08	\$1,563,000				Not an SPS Transmission Facility. It's Lea County Electric Cooperatives facility and they are considering a new delivery point to correct the overload identified
	211	10270	545	Line - SUB 1 - Shrank Road	RN	06/01/08	06/01/14		\$675,000	\$506,208	12 months		
Year 2009													
213	10272	502		XFR - Cocodrie 230/138 kV	RN	06/01/10	06/01/09		\$3,000,000		18 months		Temporary alternative to this project is to redispach Evangeline units to reduce overload until transformer upgrade can occur. The mitigation for this overload is to reduce generation at the Rodemacher Power Station. This overload only occurs with th Alexandria DG Hunter units 3 and 4 online, the DGH units are online in the base cases to provide enough generation to meet load since the firm transactions are not in place for future year cases. But in actual operational situations, these units do not run. i.e. This problem has a redispach solution.
214	10273	502		Line - E Leesville - Rodemacher 230kV	RN	06/01/12	06/01/09		\$24,237,000				The mitigation for this overload is to reduce generation at the Rodemacher Power Station. This overload only occurs with th Alexandria DG Hunter units 3 and 4 online, the DGH units are online in the base cases to provide enough generation to meet load since the firm transactions are not in place for future year cases. But in actual operational situations, these units do not run. i.e. This problem has a redispach solution.
215	10274	502		XFR - Leesville 230/138 kV	RN	06/01/12	06/01/09		\$11,340,000				The mitigation for this overload is to reduce generation at the Rodemacher Power Station. This overload only occurs with th Alexandria DG Hunter units 3 and 4 online, the DGH units are online in the base cases to provide enough generation to meet load since the firm transactions are not in place for future year cases. But in actual operational situations, these units do not run. i.e. This problem has a redispach solution.
				NPPD Grand Island 345/230 kV Transformers	RN	06/01/09	06/01/09		\$6,950,971				
				NPPD North Platt 230/115 kV Transformers	RN	04/01/07	04/01/09		\$5,210,134				
				NPPD North Platt 230/115 kV Transformers	RN	06/01/09	04/01/09						
				NPPD ETR Project	RN	06/01/08	01/01/10		\$170,330,000				
				NPPD ETR Project	RN	06/01/09	01/01/10						
				NPPD Bloomfield Wind Generation Interconnection, Delivery & Facilities	RN	03/01/09	03/01/09		\$5,500,000				
				OPPD Build New 161 kV Substations Sub 1305 & 1341 (TDCSCOMX2) (2)	RN	12/01/09	12/01/09		\$30,063,300				
				OPPD 161kV projects for additional load near Ft. Calhoun	RN	06/01/09	06/01/09		-				
Year 2010													
283	10367	330		Multi - Blackberry - Chouteau - GRDA 1	PL-AECI	06/01/10	-						
283	10368	330		Multi - Blackberry - Chouteau - GRDA 1	PL-AECI	06/01/10	-		\$57,000,000				
283	10369	330		Multi - Blackberry - Chouteau - GRDA 1	PL-AECI	06/01/10	-						
				NPPD Twin Church / South Sioux City Area	RN	06/01/10	06/01/10		\$18,800,000				
				NPPD Upgrade Jeffrey - Gothenburg 115kV line	RN	06/01/10	06/01/10		\$200,000				
284	10370	351		Line - Grandview - Osage	RN	06/01/11	06/01/09		\$6,000,000		36 months		Preliminary design has begun
342	10439	515		Line - BULL SHOALS - BULL SHOALS 161kV	RN	06/01/11	06/01/11		\$2,000,000				
384	10497	545		XFR - Sub M 161/69 kV	RN	-	06/01/11		\$6,600,000				Master Plan study being done by consultant also looking at other option
Year 2012													
405	10528		Tri-County	XFR- Texas County Interchange 115/69 kV	RN	-	06/01/12		\$1,500,000		24 months		Xfmr owned by Tri-County Electric Cooperative
405	10529		Tri-County	XFR- Texas County Interchange 115/69 kV	RN	-	06/01/12		\$1,500,000		24 months		Xfmr owned by Tri-County Electric Cooperative
406	10530		Lea	XFR - Lea County REC 115/69 kV	RN	-	06/01/12		\$1,125,000		24 months		Xfmr owned by Lea County Electric Cooperative
423	10550	545		Line - Eckless - SIBLEY 161kV	RN	-	12/01/12		\$3,500,000		12 months		Master Plan study being done by consultant also looking at other option
Year 2013													
438	10568	330		Line - Boston East - Richland 69 kV	R2	-	06/01/13		\$325,000		6 months		
Year 2014													
444	10576	515		Line - Nixa - Nixa DT Rebuik	RN	-	06/01/14		\$660,000		12 months		
Year 2015													
Year 2016													
500	10645	515		XFMR - Springfield 16/69kV #3	RN	-	06/01/16		\$825,000		24 months		
Year 2017													

Southwest Power Pool
Project Tracking Report

Blue	Complete.
Green	On Schedule 4 Year Horizon.
Green	On Schedule beyond 4 Year Horizon.
Yellow	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
Red	Delayed beyond the RTO Determined need date and no mitigation plan provided.
\$ / months	Project lead time and cost estimated by SPP staff
R	Reliability project that SPP Recommends to the BOD for Authorization to Construct
R2	Reliability project not within budgeting cycle
PL	Transmission Owner Planned Project
NC3	Transmission Owner Planned Project for NERC TPL-003_0
OC-R	Out of Cycle Reliability project
RN	Reliability project not under SPP tariff
EU	Economic Upgrade
GI	Generation Interconnect
IA	Interconnection Agreement
TS	Transmission Service with signed contract
PT	Project Tracking

NTC_ID	PID	UID	Area	Project Name	Project type EXP	Project Owner Indicated In-Service Date	RTO Reliability Need Date	Letter of Notification To Construct Issue date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
SPP Tariff Projects													
Year 2006													
19999	30000	50000	520	Device - Arsenal Hill	R	06/01/06	06/01/06	02/02/07	\$432,000				
19999	30001	50001	520	Device - Catoosa	R	06/01/06	06/01/06	02/02/07	\$394,000				
	30002	50002	524	Device - Chickasaw	PL	07/31/06	-	-	\$455,263				
	30003	50003	524	Device - Caney Creek	PL	12/31/06	-	-	\$532,263				
	30004	50004	534	Device - Ruleton3	PL	12/31/06	-	-	\$500,000				
19986	30005	50005	536	Device - Mulbery	R	03/31/06	02/02/06	02/02/07	\$324,960				
19986	30005	50006	536	Device - Clearwater	R	12/31/06	12/31/06	02/02/07	\$490,700				
	30005	50007	539	Device - East Liberal	PL	09/01/06	-	-	\$600,000				
19994	30005	50008	539	Device - Plainville	R	10/01/06	06/01/05	02/02/07	\$3,000,000				
	30005	50009	540	Device - Warrensburg East	PL	08/01/06	-	-	\$600,000				
Year 2007													
	47	50011	520	Multi - Tulsa Project	PL	07/01/07	-	-	-				Cost Included with Branch_Xf
	47	50012	520	Multi - Tulsa Project	PL	07/01/07	-	-	-				Cost Included with Branch_Xf
	30007	50013	520	Device - South Fayetteville	PL	08/01/07	-	-	\$700,000				
	30008	50014	520	Device - Pryor Creek	PL	09/01/07	-	-	-				
	30009	50015	524	Device - Various	PL	12/31/07	-	-	\$3,711,300				
	30010	50016	524	Device - Osage	PL	12/01/07	-	-	\$336,089				
	30011	50017	524	Device - Woodring	PL	12/31/07	-	-	\$336,089				
19985	30012	50018	525	Device - Rush Springs 69 kV	R	11/01/08	06/01/06	02/02/07	\$90,000		8 months		Shed load at Rush Springs Substation (up to 5MW in 2007 Summer Peak). MW values mentioned are typical for a Summe Peak case. Mitigation Plan under review by SPP staff.
19985	30013	50019	525	Device - Snyder	R	12/01/07	04/01/07	02/02/07	\$100,000		12 months		
	30015	50021	526	Device - Carlisle Interchange	TS	01/01/07	06/01/07	-	\$750,000	\$608,726			
	30016	50022	526	Device - Chaves County Interchange	PL	04/01/08	-	-	\$1,524,955	\$1,530,541			
19987	30017	50023	526	Device - Bowers	R	11/01/07	06/01/08	02/02/07	\$350,000	\$327,462			
	30018	50024	526	Device - Lubbock South Interchange	TS	05/18/07	06/01/07	-	\$600,000	\$573,380			
19986	30020	50026	536	Device - UDALL 2	R	01/31/07	12/31/06	02/02/07	\$391,422				
	30021	50027	536	Device - Wathena	R	06/30/07	06/01/12	-	\$525,000		18 months		
19986	30022	50028	536	Device - NE Parsons	R	12/31/07	06/01/07	02/02/07	\$1,000,000				
19986	30023	50029	536	Device - Parsons	R	01/07/08	06/01/07	02/02/07	\$949,847				
	30024	50030	540	Device - St Joe 161 kV cap	PL	10/01/07	-	-	\$500,000				
	30025	50031	540	Device - Nashua 161 kV cap	PL	10/01/07	-	-	\$500,000				
19990	30026	50032	541	Device - South Waverly	R	10/01/07	06/01/07	02/02/07	\$619,854	\$619,854			
	30027	50033	546	Device - Sunset	PL	06/01/07	-	-	\$550,000	\$682,052	24 months		
Year 2008													
	30029	50035	520	Figure Five	PL	06/01/09	-	-	\$873,000				
	30030	50036	520	Hull Tap	PL	12/01/08	-	-	\$500,000				
	30031	50037	520	Mow-Way	PL	12/01/08	-	-	-		6 months		
20003	30035	50041	525	Device - Frederick Cap 69 kV	R	06/01/09	06/01/08	02/13/08	\$108,000				WFEC will move ahead line project: Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can b built will be transferring load from Frederick Substation to Snyder Substation
20003	30036	50042	525	Device - Marietta Cap 138 kV	R	11/01/08	06/01/08	02/13/08	\$675,000		12 months		WFEC will move load to Russett Substation to relieve loading in case of low vtag
20003	30037	50043	525	Device - Sweet Water Cap 69 kV	R	03/01/08	06/01/08	02/13/08	\$243,000		10 months		
20003	30038	50044	525	Device - East Kingfisher 69 kV	R	06/01/09	06/01/08	02/13/08	\$340,000				138kV interconnect with KAMO under study at SPP to mitigate voltage problems in area, new line from Dover SW to Kingfisher Junction will mitigate vtag problem until 138kV interconnect is complete
20003	30039	50045	525	Device - Esquandale Cap 69 kV	R	06/01/14	06/01/08	02/13/08	\$243,000				WFEC will move ahead line project: Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can b built will be transferring load from Hulen Substation to Empire and Duncan Substations
20003	30040	50046	525	Device - Blanchard Cap 69 kV	R	06/01/15	06/01/08	02/13/08	\$162,000				WFEC will provide a long term mitigation solution by transferring load from Blanchard to Goldsby in case of low vtag.
19985	30041	50047	525	Device - Comanche	R	06/01/12	06/01/12	02/02/07	\$350,000		12 months		
20003	30043	50049	525	Device - Twin Lakes Cap 69 kV	R	06/01/08	06/01/08	02/13/08	\$108,000				
20003	30044	50050	525	Device - Gypsum Cap 69 kV	R	04/01/09	04/01/08	02/13/08	\$81,000		12 months		Mitigation: Transfer load from Gypsum Substation to Duke Substatio

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20003	30045	50051	525	Device - Grandfield Cap 69 kV	R	06/01/09	06/01/08	02/13/08	\$243,000				WFEC will move ahead line project: Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can be built will be transferring load from Indianoma Substation to Cache Substation
20004	30046	50052	526	Device - Plainview Cap 69 kV	R	11/07/08	06/01/08	02/13/08	\$336,393				Project expected to be complete in fall 2008.
20004	30047	50053	526	Device - LC SOL Cap 115 kV	R	-	06/01/08	02/13/08	\$311,040				The justification for this project is an invalid contingency based on SPS response dated 4-4-08. Please review the email "SF mitigations for SPP NTC Letter dated Feb 13, 2008"
20004	30048	50054	526	Device - Cox Interchange Cap 115 kV	R	-	06/01/08	02/13/08	\$400,000		24 months		
	30049	50055	526	Device - Tuco Interchange	TS	02/01/08	06/01/07		\$1,251,333	\$1,640,382	24 months		Completed
	30030	50056	526	Device - Tuco Interchange	TS	06/01/08	06/01/08		\$10,240,300	\$10,053,933	24 months		Completed
20004	30052	50058	526	Device - Bailey Co Earth Cap 115 kV	R	-	06/01/08	02/13/08	\$311,040		24 months		The justification for this project is an invalid contingency based on SPS response dated 4-4-08. Please review the email "SF mitigations for SPP NTC Letter dated Feb 13, 2008"
20004	30053	50059	526	Device - Bowers Cap 69 kV	R	11/01/07	06/01/08	02/13/08	\$350,000	\$327,462	24 months		Completed
20004	30054	50060	526	Device - Booker Cap 69 kV	R	-	06/01/08	02/13/08	\$200,000		24 months		Long range plan for north system will mitigate. Mitigation Plan under review by SPP staff.
20006	30055	50061	536	Device - East Manhattan Cap 115 kV	R	-	06/01/08	02/13/08	\$1,000,000		18 months		Pending further study; WR cannot reproduce the low voltage identified; Large scale analysis of Manhattan area is under way; Check to ensure that McDowell Creek 230-115 kV transformer tap is correctly modeled.
20006	30056	50062	536	Device - Seneca Cap 115 kV	R	06/01/10	06/01/08	02/13/08	\$588,600		18 months		Second capacitor bank identified for addition of TransCanada load; Required by summer 2010; Addition of Knob Hill - Steele City 115 kV identified for TransCanada
19986	30057	50063	536	Device - Nortonville 69 kV Cap	R	12/31/08	06/01/07	02/02/07	\$715,000		18 months		
20006	30058	50064	536	Device - Caney Cap 69 kV	R	-	04/01/08	02/13/08	\$270,000		18 months	Cancelled	Project not needed; 13.3 Mvar fixed shunt at Dearing, when turned on during the contingency, relieves the overloa
20006	30059	50065	536	Device - Richland Cap 69 kV	R	-	06/01/08	02/13/08	\$427,000		18 months		
19986	30060	50066	536	Device - Sunset 69 kV - 10 Mvar	R	-	06/01/07	02/02/07	\$1,220,913				
19986	30082	50088	536	Device - 3rd & VanBuren	R	11/15/08	06/01/11	02/02/07	\$500,000		18 months		
20007	30061	50067	539	Device - Pratt Cap 115 kV	R	08/01/08	06/01/08	02/13/08	\$1,350,000				Currently in engineering design and cost review. Mitigation is to have City of Pratt generate to raise volta
20007	30062	50068	539	Device - Harper Cap 138 kV	R	10/01/09	06/01/08	02/13/08	\$1,100,000				Currently in engineering design and cost review. Current schedule should have construction completed by winter of 2009. I mitigation available
20008	30064	50070	540	Device - East Cap 161 kV	R	-	06/01/08	02/13/08	\$432,000		6-12 months	Cancelled	This project is under re-consideration. It was proposed due to an error in the model
20009	30065	50071	541	Device - Riley Cap 161 kV	R	-	06/01/08	02/13/08	\$1,350,000				kcp declines project due to scenario case dispatch; SPP staff to review the need for this project
20010	30067	50073	544	Device - Quapaw Cap 69 kV	R	12/01/09	06/01/08	02/13/08	\$1,500,000		18 months		Project under study, will be complete once 2008 series models are released. Dist. Xlfr taps to be adjusted accordingly to serv load adequately until the project can be implemented/energized
Year 2009													
	30070	50076	520	Sugar Loaf	PL	07/01/10	-		\$500,000				
20001	30071	50077	523	Device - Sallisaw Cap 69 kV	R	06/01/09	06/01/08	02/13/08	\$374,000				This cap bank won't be in service until summer of 2009. In the event of a contingency, the voltage falls to 0.89pu and in real we would max out voltage regulators and let this ride, unless we received concerns from our customer and then we would have to shed load.
20001	30072	50078	523	Device - Afton Cap 69 kV	R	06/01/10	06/01/08	02/13/08	\$800,000		18 months		This voltage violation is at an NEO/REC substation that is on the end of a NEO/REC radial line out of the Afton substation. the event of a voltage violation that cannot be mitigated with regulators we would shed this load. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
20001	30073	50079	523	Device - Pyramid Corners Cap 69 kV	R	06/01/10	06/01/08	02/13/08	\$300,000				Northeastern Oklahoma Rural Coop responsibility. SPP staff established contact with project owner. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
20001	30074	50080	523	Device - Tahlequah West Cap 69 kV	R	06/01/09	06/01/08	02/13/08	\$779,000				Replaces Tahlequah City#1 and City #2 Cap 69. In the event of a contingency that caused a true voltage violation which regulators would not mitigate we would shed load in the city of Talequah. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
			523	Device -Chelsea Cap 69 kV	PL	06/01/09	06/01/09	02/13/08	\$586,000				New Project 14.4 Mvar cap bank. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
20009	30077	50083	541	Device - Craig Cap 161 kV	R	10/10/09	06/01/08	02/13/08	\$864,000		12 months		project budgeted for 2009; mitigation plan will change summer transformer taps to 0.975 tap. SPP staff to review RTO reliability need date for the project.
20010	30078	50084	544	Device - Riverside Sub Cap 69 kV	R	12/01/10	06/01/09	02/13/08	\$2,600,000		24 months		Project under study, will be complete once 2008 series models are released. Dist. Xlfr taps to be adjusted accordingly to serv load adequately until the project can be implemented/energized
Year 2010													
20003	30079	50085	525	Device - Carter Cap 69 kV	R	06/01/10	06/01/10	02/13/08	\$324,000		12 months		
20003	30080	50086	525	Device - Twin Lakes Cap #2 69 kV	R	06/01/10	06/01/10	02/13/08	\$162,000				69kV to 138kV conversion in area and interconnect with OG&E from Twin Lakes to Crescent under study, 138kV line expected to be complete by 2010
20004	30081	50087	526	Device - Crosby Cap 69 kV	R	-	06/01/10	02/13/08	\$500,000		24 months		Needs further 69 kV analysis to see if complete Plainview-Floyd-Crosby trans. project mitigates it.SPP Reliability project. Required by June 2010 as per 2007 Expansion Plan.
20006	30083	50089	536	Device - Florence Cap 115 kV	R	06/01/10	06/01/10	02/13/08	\$1,000,000		18 months		Project may be modified due to TransCanada load addition
20009	30084	50090	541	Device - Hawthorn Cap 161 kV	R	-	06/01/10	02/13/08	\$1,350,000				kcp declines project due to scenario case dispatch; SPP staff to review the need for this project
	30085	50091	546	Device - Mentor Substation	PL	06/01/09	-		\$1,800,000		24 months		
Year 2011													
20001	30086	50092	523	Device - Jay Cap 69 kV	R	06/01/11	06/01/11	02/13/08	\$800,000		18 months		This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when volta regulation is utilized it defers this project.
20006	30088	50094	536	Device - Cities Service Cap 115 kV	R	-	06/01/11	02/13/08	\$840,000		18 months		
20006	30089	50095	536	Device - Edwardsville Cap 115 kV	R	-	06/01/11	02/13/08	\$1,000,000		18 months		
20007	30090	50096	539	Device - Russell 115 kV	R	06/01/11	06/01/11	02/13/08	\$750,000		12 months		Currently in engineering design and cost review. Request City of Russell to generate to raise volta
Year 2012													
20002	30092	50098	524	Device - Kolache 69 kV Capacitor	R	-	06/01/12	02/13/08	\$81,000		12 months		
20003	30093	50099	525	Device - Latta Cap 138 kV	R	06/01/12	06/01/12	02/13/08	\$324,000		12 months		
20003	30094	50100	525	Device - Mustang Cap 69 kV	R	06/01/12	06/01/12	02/13/08	\$162,000		12 months		
20006	30096	50102	536	Device - Eudora Cap 115 kV	R	06/01/12	06/01/12	02/13/08	\$580,000		18 months		

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20006	30097	50103	536	Device - Vaughn Cap 115 kV	R	-	06/01/12	02/13/08	\$1,000,000		18 months	Completed	
20007	30098	50104	539	Device - Plainville Cap 115 kV	R	-	06/01/12	02/13/08	\$1,500,000		12 months	Completed	
20009	30099	50105	541	Device - Centerville Cap 161 kV	R	-	06/01/12	02/13/08	\$600,000		12 months	Completed	
20009	30100	50106	541	Device - West Gardner Cap 161 kV	R	-	06/01/12	02/13/08	\$1,000,000		12 months	Completed	KcpI declines project due to scenario case dispatch; SPP staff to review the need for this project
20010	30091	50097	544	Device - Aurora Cap 69 kV	R	06/01/12	06/01/11	02/13/08	\$2,420,000		12 months	Completed	KcpI declines project due to scenario case dispatch; SPP staff to review the need for this project
20010	30101	50107	544	Device - Republic East Cap 69 kV	R	06/01/12	06/01/12	02/13/08	\$500,000		12 months	Completed	
Year 2013													
	30104	50110	534	Device - N Cimarron 115 kV	R2	12/31/08	06/01/13		\$1,000,000		12 months	Completed	
20006	30105	50111	536	Device - Springhill Cap 115 kV	R	-	06/01/13	02/13/08	\$1,000,000		18 months	Completed	
20006	30106	50112	536	Device - Sedgwick Co Koch Cap 69 kV	R	-	06/01/13	02/13/08	\$162,000		18 months	Completed	
	30076	50082	540	Device - Warsaw 2 69.0	R2	-	06/01/13		\$409,900		12 months	Completed	VAR compensations were done in the distribution system in the area. Project required by June 2013 as per 2007 Expansic plan.
20011	30107	50113	546	Device - Cox Cap 69 kV	R	-	06/01/13	02/13/08	\$750,000		24 months	Completed	The addition of Southwest #2 generator defers the need for this project
20011	30108	50114	546	Device - Main Cap 69 kV	R	-	06/01/13	02/13/08	\$750,000		24 months	Completed	The addition of Southwest #2 generator defers the need for this project
20011	30109	50115	546	Device - Mill Cap 69 kV	R	-	06/01/13	02/13/08	\$750,000		24 months	Completed	The addition of Southwest #2 generator defers the need for this project
20011	30110	50116	546	Device - Norton Cap 69 kV	R	-	06/01/13	02/13/08	\$750,000		24 months	Completed	The addition of Southwest #2 generator defers the need for this project
Year 2014													
	30116	50122	536	Device - Oxford 138 kV Cap	R2	-	06/01/14		\$1,000,000		18 months	Completed	
	30117	50123	536	Device - McDowell	R2	-	06/01/14		\$810,000		18 months	Completed	
	30118	50124	536	Device - Dearing 138 kV	R2	-	06/01/14		\$540,000		18 months	Completed	
	30119	50125	536	Device - CRRM (Sunflower)	R2	-	06/01/14		\$500,000		18 months	Completed	
	30120	50126	536	Device - Altamont 138 kV Cap	R2	-	06/01/14		\$1,000,000		18 months	Completed	
Year 2015													
	30125	50131	524	Device - Lula 138 kV	R2	-	06/01/15		\$375,000		12 months	Completed	
	30126	50132	524	Device - County Line 69 kV	R2	-	06/01/15		\$150,000		12 months	Completed	
	30127	50133	524	Device - Various	PL	12/31/07			\$200,000			Completed	
	30129	50135	544	Device - Bolivar	R2	06/01/15	06/01/15		\$1,500,000		24 months	Completed	
	30130	50136	546	Device - Twin Oaks	PT	06/01/14			\$750,000		24 months	Completed	This project name refers to a 69 kV cap bank. Change project name to reflect this
	30131	50137	546	Device - Golden	PL	-	-		\$550,000		24 months	Completed	Related to SW2 being added to the models; This will go to the review committee. This is a TO planned project.No ISD provided.
Year 2016													
	30133	50139	526	Device - McClellan Cap	R2	-	06/01/16		\$135,000		24 months	Completed	Needs further study on voltage of 115 kV line and power factor improvemer
	30134	50140	531	Device - St John Cap	R2	-	06/01/16		\$864,000		12 months	Completed	
	30135	50141	531	Device - Hitschmann	R2	-	06/01/16		\$216,000		12 months	Completed	Alternate solution under study by T
Year 2017													

Non - SPP Tariff Projects													
Year 2006													
Year 2007													
30006	50010	502	Device - Many	RN	12/31/07	06/01/07			\$200,000		12 months	Completed	
Year 2008													
30028	50034	502	Device - Oakdale 138 kV	RN	06/01/09	06/01/08			\$729,000		6 months	Completed	Install 28.8 MVA cap bank at Caney Substation by mid 200.
30051	50057	Lea County Interchange	Lea County	RN	-	03/01/08			\$1,350,000			Completed	
Year 2009													
30069	50075	502	Device - Natchitoches	RN	06/01/09	06/01/09			\$5,000		2 months	Completed	This project is complete. This project has changed from adding a cap bank at Clarence to increasing the No-load tap : clearance to 2.5% boost and letting the Natchitoches LTC adjust for the distribution system. SPP Reliability project.
Year 2010													
Year 2011													
Year 2012													
30102	50108	545	Device - Blue Valley 161 kV	RN		12/01/12	-		\$1,200,000		12 months	Completed	Project under review along with other options considered in INDN Master Plan Stud
Year 2013													
Year 2014													
30113	50119	515	Device - Glencoe	RN	06/01/14	06/01/17			\$540,000		12 months	Completed	
Year 2015													
Year 2016													
Year 2017													
30137	50143	515	Device - Table Rock 161 kV	RN	-	06/01/17	-		\$675,000		12 months	Completed	
30138	50144	515	Device - Nixa 161 kV	RN	-	06/01/17	-		\$675,000		12 months	Completed	
30139	50145	515	Device - Tupelo 138 kV	RN	-	06/01/17	-		\$675,000		12 months	Completed	
30140	50146	515	Device - China 69 kV	RN	-	06/01/17	-		\$145,800		12 months	Completed	