



**Southwest Power Pool, Inc.**  
**THIRD QUARTERLY**  
**PROJECT TRACKING REPORT**  
**JULY 2010**

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#### I. Project Tracking, Current SPP Process:

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

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

In this Third Quarterly Report of 2010, the reporting period is March 2, 2010 through May 31, 2010, reflecting the timing changes enacted in last quarter's report and confirmed by the Transmission Working Group. Some transmission owners were able to send in updates for the first two weeks of June, but these changes are not contained in the quarterly charts and graphs analysis. They are reflected in the Project Tracking List at the end of this Quarterly Report and will be part of the analysis in the Fourth Quarterly Report period of June 1 through August 31, 2010. The Priority Projects approved by the Board of Directors, which included 6 projects at a cost of \$1.14 billion, were issued Notifications to Construct (NTC) on June 30, 2010 and will be included on next quarter's report as well.

#### II. Project Summary:

Figure 1 represents the summary of active projects for this quarter. Compared to last quarter, this quarter reported an increase of 7 active upgrades and an increase in cost of \$63 million. Figure 2 reflects the percentage cost of each project type in the total active portfolio.

Reanalyzing upgrades from an aggregate study resulted in the issuance of 6 NTCs containing 20 new, modified, or withdrawn upgrades this quarter. The cost totals are \$1.68 million in new upgrades, \$33 million in modified upgrades, and \$8.5 million in withdrawn upgrades. The Board of Directors approved the issuance of 2 NTCs based on the STEP recommendations containing 3 new or modified upgrades, with new upgrades totaling \$7.75 million and modified upgrades totaling \$6.25 million.

2nd Quarter 2010 Project Tracking Summary		
Upgrade Type	Number of Upgrades	Cost Estimate
Regional Reliability	310	\$1,718,386,696
Regional Reliability - Non OATT	13	\$127,558,000
Zonal Reliability	8	\$18,557,168
Transmission Service	62	\$471,431,783
Generation Interconnect	16	\$104,627,000
Balanced Portfolio	19	\$841,074,596
Other Sponsored Upgrades	45	\$451,077,220
<b>TOTALS</b>	<b>473</b>	<b>\$3,732,712,463</b>

Figure 1: 2010 1st Quarter Project Summary

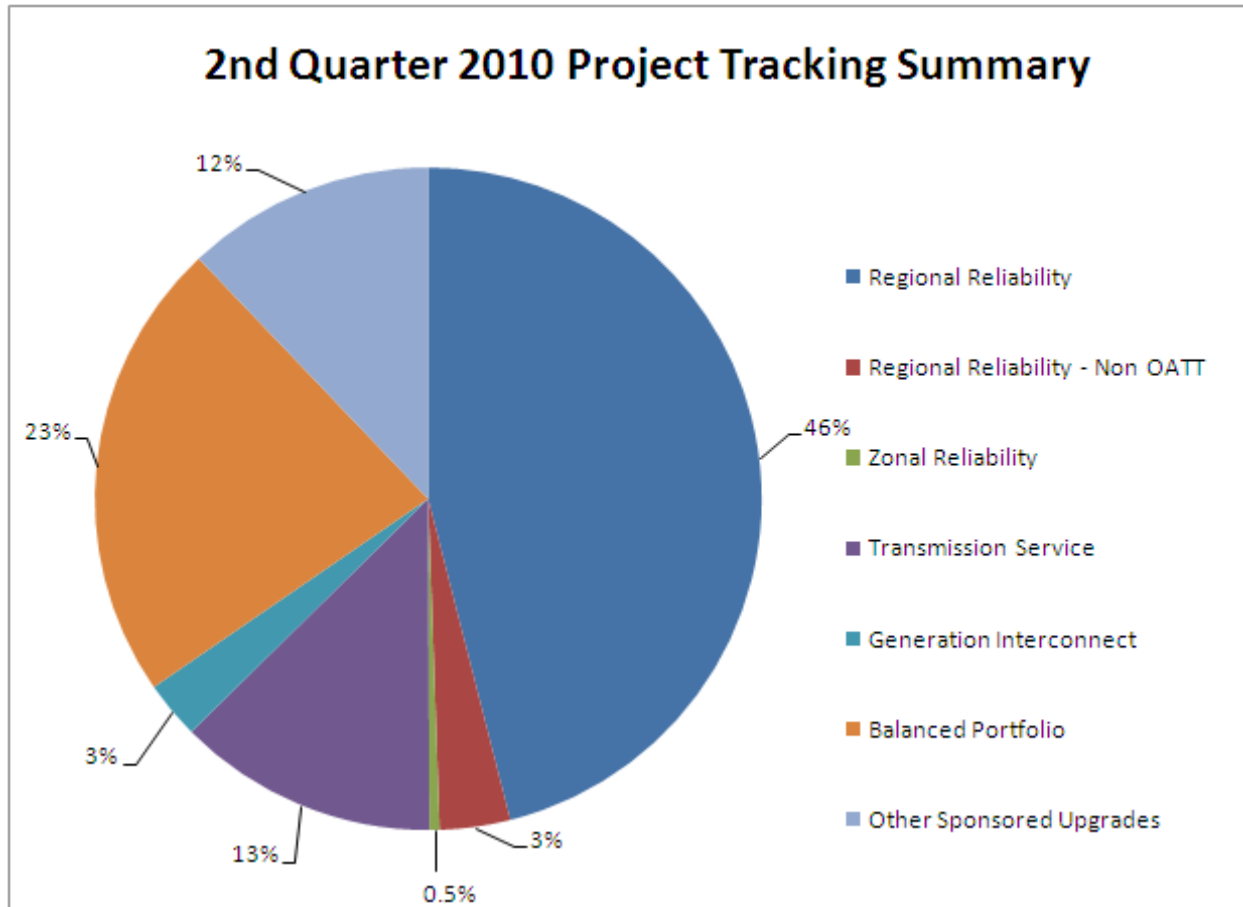


Figure 2: Breakdown of Project Categories on Cost Basis



### III. Regional Reliability Project Summary:

Regional reliability projects include all tariff signatory projects identified in an SPP study to meet regional reliability criteria for which NTC letters have been issued. Figure 3 shows the breakdown of the Regional reliability projects.

There were 11 upgrades, with latest E&C cost estimates at \$6.6 million, completed in the second quarter of 2010.

There are 89 upgrades, with latest E&C cost estimates at \$442 million, on schedule to be completed within the next four years. There are 11 upgrades that are in a delay status with no mitigation; however for 10 of those upgrades SPP has received a mitigation plan but has not completed its verification of the plans.

### IV. Transmission Service/Generation Interconnection (TSR/GI) Project Summary:

This category contains upgrades identified as needed to support new Transmission Service (TSR) and Generation Interconnection (GI) service agreements. Figure 3 shows the details of the Transmission Service and Generation Interconnect projects.

Four upgrades were completed this quarter, with an estimated E&C cost of \$3 million. There are 30 TSR upgrades estimated at \$324.3 million on schedule to be completed within the next four years. No TSR upgrade has been delayed beyond the RTO determined need date without having an interim mitigation plan.

There were 6 GI upgrades completed in the second quarter, including KCP&L's Iatan 345/161kV substation and OPPD's 161kV substation. Total estimated cost for the 6 completed projects was \$19 million. There are 8 GI upgrades estimated at \$59 million scheduled to complete in the next four years.

2nd Quarter 2010 Project Tracking Status						
		Top number is number of upgrades in category				
		Bottom number is estimated cost of upgrades in category				
Upgrade Type	Total	Complete	On Schedule	On Schedule - Later in 10 yr Horizon (NTCs Issued)	Behind Schedule - With Mitigation	Behind Schedule - Without Mitigation
Reliability	303	43	89	16	144	11
	\$1,714,575,696	\$205,747,543	\$441,502,421	\$178,225,254	\$856,936,778	\$32,163,700
Transmission Service	58	13	30	5	10	0
	\$462,969,283	\$27,515,693	\$324,310,900	\$28,732,500	\$82,410,190	\$0
Generation Interconnect	16	7	8	0	1	0
	\$104,627,000	\$20,077,000	\$58,960,000	\$0	\$25,590,000	\$0

Figure 3: Project Status

**V. Completed Projects Summary:**

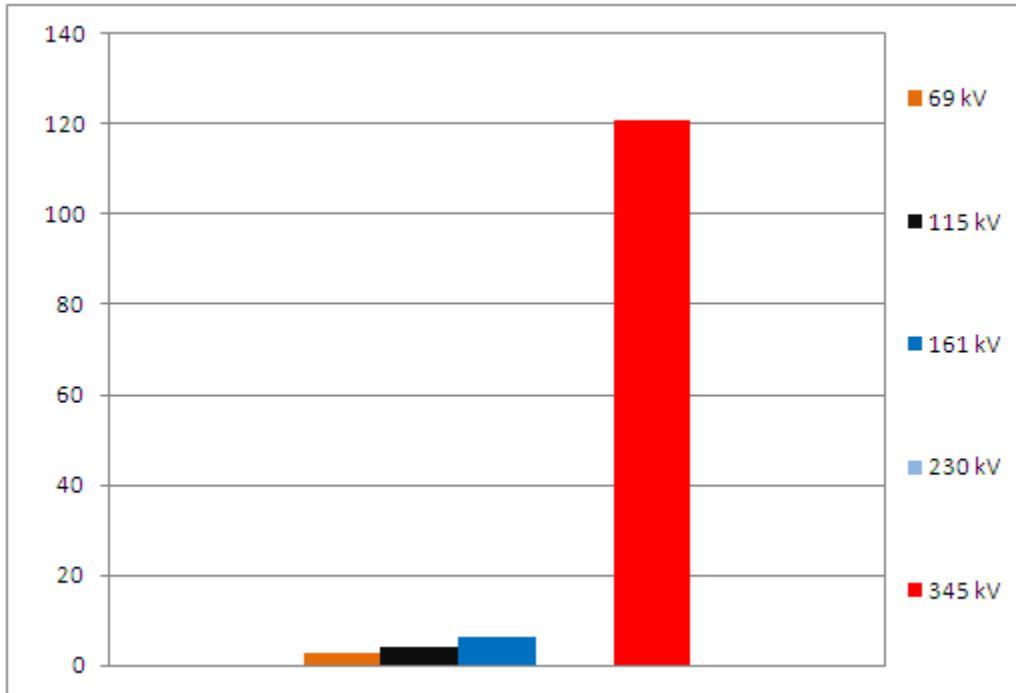
Figure 4 shows the projects completed for the last 12 month period. This quarter's completion rates were similar to last quarter's, with 21 upgrades completed in both periods. The total cost of upgrades completed rose by \$68.3 million. Previous quarter's updated results are listed as the Transmission Owners may make adjustments to final costs and status of projects completed during the year.

**Project Completion**

	3rd Q 2009	4th Q 2009	1st Q 2010	2nd Q 2010	Net Corrections	Totals YTD
<b>Reliability</b>	4 \$24,266,233	9 \$24,620,132	19 \$175,919,028	11 \$6,585,000		43 \$231,390,393
<b>Transmission Service</b>	1 \$2,373,030	1 \$1,193,400	2 \$2,392,353	4 \$3,045,400		8 \$9,004,183
<b>Generation Interconnect</b>	0 \$0	0 \$0	0 \$0	6 \$19,027,000		6 \$19,027,000

Figure 4: Completed Project Summary through 2nd Quarter 2010

Figure 5 shows the total miles of transmission that was completed this quarter. As is illustrated, the largest contribution was the OG&E's sponsored Northwest-Woodward 345kV project which was completed on 3/30/10, adding 120 miles of 345kV transmission to the SPP footprint.



**Figure 5: Completed Projects This Quarter Total Transmission Miles**

**VI. Future Projections:**

**3rd Quarter 2010:**

As was mentioned in the opening remarks of this report, June is scheduled to have a large number of completed upgrades. There are 31 upgrades scheduled to be completed in June. For the total June- August quarter, 35 upgrades are on schedule to be completed. This includes 4 upgrades that are currently in Mitigation. Total estimated cost for the completed upgrades is \$112 million.

**June 2010 through May, 2011:**

The next twelve months are scheduled to have a total of 93 upgrades complete at an estimated cost of \$401.6 million, and 37 of these upgrades are currently in Mitigation. The majority of these are regional reliability upgrades with a total of 60 upgrades at \$210 million. The largest project scheduled to be completed is the sponsored Reno County-Summit 345kV, with an estimated cost of \$100 million.

Scheduled Complete Next Quarter		Scheduled Complete Next 12 Months	
First day of Quarter	Last Day of Quarter	First day of Reporting Year	Last Day of Reporting Year
6/1/2010	8/31/2010	6/1/2010	5/31/2011
Reliability	21 \$70,854,893	Reliability	54 \$207,283,655
Reliability-Non OATT	0 \$0	Reliability-Non	6 \$3,000,000
Zonal Reliability	0 \$0	Zonal	2 \$12,054,255
Transmission Service	9 \$23,957,987	Transmission	11 \$31,830,177
Generation Interconnect	1 \$1,050,000	Generation	1 \$1,050,000
Balanced Portfolio	0 \$0	Balanced	0 \$0
Sponsored	0 \$0	Sponsored	1 \$100,678,016
Zonal Sponsored	4 \$16,102,200	Zonal	18 \$45,726,604
Total	35 \$111,965,080	Total	93 \$401,622,707

Figure 6: Upgrades Scheduled to Complete Next Quarter/Next 12 Months

## SPP 3rd Quarter 2010 Project Tracking List - Branch\_Xfr

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

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

NTC_ID	UID	Project Owner	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Current Cost Estimate	Final Cost	Project Status	Project Status Comments
20015	10460	AECC	Line - Hope - Fulton 115 kV Recond	transmission service	04/01/12	04/01/12	01/16/09	\$1,512,000		ON SCHEDULE <4	Full BPF
20015	10461	AECC	Fulton Switching Station	transmission service	04/01/12	04/01/12	01/16/09	\$440,000		ON SCHEDULE <4	Full BPF
20015	50151	AECC	Line - MCNAB - TURK 115KV CKT 1 AECC	transmission service	04/01/12	04/01/12	01/16/09	\$165,000		ON SCHEDULE <4	Full BPF
	10367	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	06/01/12			\$100,000,000		ON SCHEDULE <4	
	10368	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11				ON SCHEDULE <4		
	10369	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11				ON SCHEDULE <4		
	10781	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11				ON SCHEDULE <4	Chouteau 2 Sub estimated completion date is 04/01/10	
	10916	AECI	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11				ON SCHEDULE <4		
	10782	AECI	Line - Camp Clark - Lamar 161 kV	regional reliability - non OATT	06/01/11			\$9,833,000		ON SCHEDULE <4	
	10783	AECI	XFR - Lamar 69/161 kV	regional reliability - non OATT	06/01/11			\$3,800,000		ON SCHEDULE <4	
20016	10441	AEP	Line - North Market - Arsenal Hill 69 kV	regional reliability	01/30/09	06/01/10	01/16/09	\$3,210,000		COMPLETE	
20012	10139	AEP	Line - Sayre - Erick	regional reliability	02/06/09	06/01/09	07/28/08	\$10,400,000		COMPLETE	
20000	10140	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$9,480,000		ON SCHEDULE <4	
20000	10141	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$19,482,000		ON SCHEDULE <4	
20000	10143	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	05/09/08	06/01/12	02/13/08	\$3,000,000		COMPLETE	
20000	10745	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$2,580,000		COMPLETE	
20000	10746	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$4,460,000		COMPLETE	
20000	10786	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$11,988,400		ON SCHEDULE <4	
20000	11081	AEP	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$5,312,100		COMPLETE	
20005	10728	AEP	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	02/18/10	06/01/12	02/20/08	\$2,887,800		COMPLETE	Add to pick up AEP breaker work. Completed on 12-29-09.
20005	10729	AEP	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	12/29/09	06/01/12	02/20/08	\$442,800		COMPLETE	Added to pick up AEP relay work. Completed on 2-18-10.
20000	10276	AEP	Line - Tap N. Huntington - Waldron 69 kV	regional reliability	11/17/09	06/01/08	02/13/08	\$776,000		COMPLETE	
20000	10277	AEP	Line - Huntington - N Huntington 69 kV	regional reliability	11/30/09	06/01/09	02/13/08	\$20,000		COMPLETE	project is still on schedule for completion before N. Huntington - Waldron. Change project status to complete.
20000	10278	AEP	Line - Excelsior - Excelsior Tap 161 kV	regional reliability	06/30/09	06/01/09	02/13/08	\$4,000,000		COMPLETE	Reeves Road station will be built under the existing North Huntington - Bonanza 161kV line. This project will replace the Excelsior Tap project.

19954	10279	AEP	Line - Riverside Station - Explorer Glenpool 138	transmission service	03/23/09	06/01/09	07/21/06	\$1,000,000		COMPLETE	3.3% BPF. Remainder of RR paid by PTP base rate
20000	10280	AEP	Line - Hope - Fulton 115 kV	regional reliability	03/31/09	06/01/09	02/13/08	\$100,000		COMPLETE	
20027	10281	AEP	Line - Bonanza - Bonanza Tap 161 kV	regional reliability	12/16/09	06/01/10	01/27/09	\$594,000		COMPLETE	Completed 12/16/2009
19956	10283	AEP	XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV	transmission service	04/03/09	06/01/10	06/27/07	\$6,873,000		COMPLETE	
19956	10284	AEP	XFR - Southwest Shreveport Transformer Ckt 2	transmission service	04/03/09	06/01/10	06/27/07			COMPLETE	
20000	10286	AEP	Line - North Magazine - Magazine REC - Danville	regional reliability	06/17/09	06/01/09	02/13/08	\$13,705,000		COMPLETE	
20000	10289	AEP	Line - North Magazine - Magazine REC - Danville	regional reliability	06/17/09	06/01/09	02/13/08	\$6,090,000		COMPLETE	
20000	10292	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/11	02/13/08	\$14,200,000		COMPLETE	
20000	10293	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/13	02/13/08			COMPLETE	
20000	10294	AEP	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/10	06/01/13	02/13/08			COMPLETE	Completed 5/19/2010
20000	10295	AEP	Line - Broken Bow - Craig Junction 138 kV	regional reliability	05/08/09	06/01/08	02/13/08	\$6,602,000		COMPLETE	
	10296	AEP	Line - Turk - SE Texarkana - 138 kV	generation interconnect	07/01/12			\$25,590,000		DELAY - MITIGATION	Turk commercial operating date delayed to 7/01/2012
	10297	AEP	Line - Turk - Sugar Hill 138 kV	generation interconnect	04/01/12			\$18,427,000		ON SCHEDULE <4	
20016	10374	AEP	Line - Valliant Substation - Install 345 kV terminal	transmission service	04/01/12	04/01/12	01/16/09	\$3,840,000		ON SCHEDULE <4	Notification received from the SPP concurring with the new in-service date due to the delay of the Turk plant. 73% BPF
19959	10375	AEP	Line - Clinton City Wave Trap	transmission service	05/21/10	06/01/10	10/17/06	\$135,400		COMPLETE	Completed 5/21/2010
20016	10377	AEP	Line - Bann - Lonestar Ordinance Tap 69 kV	transmission service	01/13/09	06/01/12	01/16/09	\$25,000		COMPLETE	
20027	10378	AEP	Line - Greggton - Lake Lamond 69 kV	regional reliability	03/11/10	06/01/11	01/27/09	\$4,047,000		COMPLETE	Completed 3/11/10.
20000	10380	AEP	Line - North Mineola - Mineola 69 kV	regional reliability	03/21/10	06/01/10	02/13/08	\$339,000		COMPLETE	Completed 3/21/2010
19953	10381	AEP	Line - Coffeyville Tap - Dearing - 138 kV	transmission service	06/01/10	06/01/10	06/26/07	\$1,008,000		COMPLETE	Displacement need to make filing for displacement \$. Completed 6/8/2010
20016	10382	AEP	Line - Dyess - Elm Springs REC 161 kV CKT 1 #2	transmission service	06/17/10	06/01/10	01/16/09	\$6,252,000		COMPLETE	Completed 6/17/2010
20000	10383	AEP	Line - Quitman - Westwood 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$3,827,000		COMPLETE	Completed 6/1/2010
20016	10440	AEP	Line - Winnsboro - Magnolia Tap 69 kV	regional reliability	04/19/10	06/01/10	01/16/09	\$250,000		COMPLETE	Completed 4/19/2010
20016	10443	AEP	Line - Forest Hills - Quitman 69 kV	regional reliability	04/16/10	06/01/10	01/16/09	\$100,000		COMPLETE	Completed 4/16/2010
20016	10445	AEP	Line - Dyess - Tontitown 161 kV	regional reliability	04/28/10	06/01/10	01/16/09	\$224,000		COMPLETE	Completed 4/28/2010
	10446	AEP	Line - Ashdown - Okay 115 kV	generation interconnect	06/01/11			\$7,810,000		ON SCHEDULE <4	
	10447	AEP	Line - Ashdown - Patterson 138 kV	generation interconnect	12/31/11			\$11,431,000		ON SCHEDULE <4	
	10448	AEP	Line - MCNAB REC - Turk 115 kV	generation interconnect	04/01/12			\$1,773,000		ON SCHEDULE <4	
20016	10449	AEP	Line - MCNAB REC - Turk 115 kV recon	transmission service	04/23/10	04/01/12	01/16/09	\$540,000		COMPLETE	Completed 4/23/2010
20016	10450	AEP	Line - McNab REC - Hope	transmission service	04/23/10	04/01/12	01/16/09	\$2,170,000		COMPLETE	Completed 4/23/2010
	10451	AEP	XFR - Okay 115/69 kV	generation interconnect	12/31/11			\$3,266,000		ON SCHEDULE <4	Replacement not needed in 2009 due to re-rating, but replacement needed in 2011 due to voltage conversion associated with Turk.
	10452	AEP	Line - Okay 115 - Turk 138 kV	generation interconnect	12/31/11			\$8,170,000		ON SCHEDULE <4	
20016-1	10456	AEP	XFR - Turk 345/138 kV	transmission service	07/01/12	04/01/12	09/18/09	\$7,310,000		DELAY - MITIGATION	Turk commercial operating date delayed to 7/01/2012
	10457	AEP	XFR - Turk 138/115 kV #1	generation interconnect	12/31/11			\$7,806,000		ON SCHEDULE <4	
	10459	AEP	Line - Bann - Red Springs REC	generation interconnect	12/31/11			\$277,000		ON SCHEDULE <4	

20000	10505	AEP	Line - Riverside - Okmulgee 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$125,000		ON SCHEDULE <4	
20000	10506	AEP	Line - New Boston - North New Boston 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$100,000		ON SCHEDULE <4	
20000	10509	AEP	Line - Lone Star South - Pittsburg 138kV	regional reliability	06/01/12	06/01/12	02/13/08	\$300,000		ON SCHEDULE <4	
20027	10510	AEP	Line - Howell - Kilgore 69 kV	regional reliability	06/01/12	06/01/09	01/27/09	\$3,986,000		DELAY - MITIGATION	69 kV overloads, open Sabine-Service Pipeline Tap with breaker 1P90 at Sabine.
20027	10575	AEP	Line - Osborne - Osborne Tap	regional reliability	06/01/13	06/01/13	01/27/09	\$2,000,000		ON SCHEDULE <4	
20048	10578	AEP	Line - Coffeyville Tap - North Bartleville 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$13,100,000		ON SCHEDULE <4	
20027	10581	AEP	Line - Carthage - Rock Hill 69 kV	regional reliability	04/20/09	06/01/10	01/27/09	\$50,000		COMPLETE	
20000	10582	AEP	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$11,962,000		ON SCHEDULE >4	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.
20000	10584	AEP	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$13,104,000		ON SCHEDULE >4	
20000	10585	AEP	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$34,085,000		ON SCHEDULE >4	
20027	10586	AEP	XFR - Whitney 138/69 kV	regional reliability	06/01/11	06/01/11	01/27/09	\$350,000		ON SCHEDULE <4	Re-rating autotransformers. However, leave this row in because switches will need to be replaced.
20048	10588	AEP	Line - Bartsville Southeast - North Bartlesville 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$8,400,000		ON SCHEDULE <4	
20027	10617	AEP	Line - Snyder - Snyder 138kV	regional reliability	12/31/10	06/01/09	01/27/09	\$800,000		DELAY - MITIGATION	WFEC to supply mitigation plan
20016	10652	AEP	Line - ARSENAL HILL - FORT HUMBUGH 138KV CKT 1	transmission service	06/01/10	06/01/10	01/16/09	\$5,428,300		COMPLETE	Full BPF Displacement filing needed at FERC
20000	10656	AEP	Multi - Centerton - Osage Creek 345 kV	transmission service	06/01/16	06/01/16	02/13/08	\$11,000,000		ON SCHEDULE >4	
20000	10659	AEP	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$24,500,000		ON SCHEDULE >4	
20000	10660	AEP	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$65,500,000		ON SCHEDULE >4	
20073	10695	AEP	Line - Hobart Junction - Carnegie	transmission service	06/01/13	06/01/16	02/08/10	\$26,150,000		ON SCHEDULE <4	
20073	10696 & 10697	AEP	Line - Carnegie - SW Station	regional reliability		06/01/13	02/08/10	\$11,030,000		ON SCHEDULE <4	
20027	10784	AEP	Line - Diana-Lone Star South 138 kV	regional reliability - non OATT	05/14/10	12/01/10	01/27/09	\$100,000		COMPLETE	Completed 5/14/2010
20027	10842	AEP	Line - Forest Hills-Quitman 69 kV Switches	regional reliability	04/16/10	06/01/13	01/27/09	\$150,000		COMPLETE	Completed 4/16/2010
20027	10853	AEP	Line - Lone Star-Locus Grove 115 kV	regional reliability	06/01/14	06/01/14	01/27/09	\$2,150,000		ON SCHEDULE >4	
20073	10862	AEP	XFR - Pryor Junction 115/69 kV XF	regional reliability	11/24/08	06/01/16	02/08/10	\$150,000		COMPLETE	The switches was replaced in 2008 under another project.
	10911	AEP	Line- Canadian Pump Station line tap	zonal-sponsored	03/20/09			\$1,616,000		COMPLETE	
	10912	AEP	Line- Canadian Pump Station line tap	zonal-sponsored	03/20/09					COMPLETE	
20073	11011	AEP	Line - Canadian River - McAlester City 138 kV	regional reliability		06/01/10	02/08/10	\$17,000,000		DELAY - MITIGATION	AEP's mitigation: If Broken Bow-Bethel 138 kV overloads due to the loss of the Valliant-Pittsburg 345 kV line, open the Lone Oak-Sardis 138 kV line. This will relieve the Broken Bow-Bethel and connecting in series 138 kV line overloads; however, if it overloads the Hugo - Atoka
20073	11012	AEP	XFR - Canadian River 345/138 kV transformer	regional reliability		06/01/10	02/08/10	\$8,500,000		DELAY - MITIGATION	Pittsburg 345 kV line, open the Lone Oak-Sardis 138 kV line. This will relieve the Broken Bow-Bethel and connecting in series 138 kV line overloads; however, if it overloads the Hugo - Atoka
20073	11183	AEP	Line - McAlester City - Dustin 138 kV	regional reliability		06/01/10	02/08/10	\$2,900,000		DELAY - MITIGATION	AEP's mitigation: If Broken Bow-Bethel 138 kV overloads due to the loss of the Valliant-Pittsburg 345 kV line, open the Lone Oak-Sardis 138 kV line. This will relieve the Broken Bow-
20073	11184	AEP	Line - McAlester City - North McAlester Tap 138 kV	regional reliability		06/01/10	02/08/10	\$2,900,000		DELAY - MITIGATION	AEP's mitigation: If Broken Bow-Bethel 138 kV overloads due to the loss of the Valliant-Pittsburg 345 kV line, open the Lone Oak-Sardis 138 kV line. This will relieve the Broken Bow-
20064	11015	AEP	Line - Ashdown - Craig 138 kV Rebuild	regional reliability	06/01/13	06/01/13	11/02/09	\$2,500,000		ON SCHEDULE <4	Replaced by Canadian River Tap project. Reduces loading on the line by 1%.
20073	11155	AEP	XFR - Sugar Hill 138/69 kV	regional reliability	04/01/12	04/01/12	02/08/10	\$100,000		ON SCHEDULE <4	
20066	11199	AEP	Line - Coffeyville Tap - South Coffeyville City 138 kV	regional reliability	06/01/11	06/01/11	01/13/10	\$6,000,000		ON SCHEDULE <4	
20066	11208	AEP	Line - Coffeyville Farmland - South Coffeyville City 138 kV	regional reliability	06/01/11	06/01/11	01/13/10	\$2,200,000		ON SCHEDULE <4	
20016	50148	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	07/01/12	04/01/12	01/16/09	\$48,580,000		DELAY - MITIGATION	Change PID and UID (old PID 349 and old UID 10453). Turk commencing operating date delayed to 7/01/2012
20016	50149	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	07/01/12	04/01/12	01/16/09			DELAY - MITIGATION	Change PID and UID (old PID 349 and old UID 10453). Turk commencing operating date delayed to 7/01/2012
20016	50150	AEP	Line - Turk - NW Texarkana 345 kV	transmission service	07/01/12	04/01/12	01/16/09			DELAY - MITIGATION	Change PID and UID (old PID 349 and old UID 10453). Turk commencing operating date delayed to 7/01/2012

20016	50152	AEP	Line - ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	transmission service	05/06/09	06/01/10	01/16/09	\$100,000			COMPLETE	Full BPF Displacement filing needed at FERC.
20016	50153	AEP	Line - ARSENAL HILL - WATERWORKS 69KV CKT 1	transmission service	05/19/09	06/01/10	01/16/09	\$3,898,800			COMPLETE	Full BPF
20016	50154	AEP	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	transmission service	11/22/09	06/01/10	01/16/09	\$3,005,700			COMPLETE	Full BPF
20016	50155	AEP	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	transmission service	11/22/09	06/01/10	01/16/09	\$3,005,700			COMPLETE	Full BPF
20048	50156	AEP	Line - BANN - LONESTAR ORDINANCE TAP 69KV CKT 1 #2	transmission service	06/01/12	06/01/12	09/18/09	\$273,400			ON SCHEDULE <4	Full BPF. Switch replacement only, per SPP/AEP rebuild of the 4.14 miles of 397 ACSR with 795 ACSR is not required. SPP to provided revised NTC
20016	50157	AEP	Line - DYESS - TONTITOWN 161KV CKT 1	transmission service	02/04/09	06/01/10	01/16/09	\$100,000			COMPLETE	Full BPF
20016	50159	AEP	Line - LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	transmission service	04/30/09	06/01/09	01/16/09	\$125,000			COMPLETE	
20016	50160	AEP	Line - LINWOOD - POWELL STREET 138KV CKT 1	transmission service	06/01/12	06/01/12	01/16/09	\$456,000			ON SCHEDULE <4	Full BPF
20016	50161	AEP	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	transmission service	03/26/10	06/01/10	01/16/09	\$200,000			COMPLETE	Completed 3/26/2010
20016	50162	AEP	Line - MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2	transmission service	06/01/09	06/01/12	01/16/09	\$100,000			COMPLETE	
20016	50163	AEP	Line - OKAY - TOLLETTE 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$80,000			ON SCHEDULE <4	Full BPF
20016	50164	AEP	Line - SE TEXARKANA - TEXARKANA PLANT 69KV CKT 1	transmission service	07/01/12	04/01/12	01/16/09	\$128,000			DELAY - MITIGATION	Full BPF. Turk commerical operating date delayed to 7/01/2012.
20016	50165	AEP	Line - SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	transmission service	07/01/12	04/01/12	01/16/09	\$8,193,000			DELAY - MITIGATION	Full BPF. Turk commerical operating date delayed to 7/01/2012.
20000	10507	AEP	Line - SE Texarkana - Texarkana 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$122,000			ON SCHEDULE <4	
		AEP	Line - Bransdall Pump Station Tap	zonal-sponsored	09/28/09			\$4,450,000			COMPLETE	
		AEP	Line - Bransdall Pump Station Tap	zonal-sponsored	09/28/09						COMPLETE	
20011	10271	CUS	Line - Norton - Neergard 69 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$1,485,000			COMPLETE	SPRM will mitigate overload by transferring load prior to reconductor completion in 2010. This project was completed 5/28/2010.
	10436	CUS	XFR - SWPS Bus - SWPS #2 161 kV	zonal-sponsored	10/01/10			\$3,200,000			ON SCHEDULE <4	Related to SW2 being added to the models; This will go to the review committee
	10552	CUS	Line - Southwest - Brookline 161 kV	zonal-sponsored	06/01/09			\$450,000	\$444,977		COMPLETE	
	10553	CUS	Line - Southwest - Southwest Disposal 161 kV	zonal-sponsored	06/01/09			\$175,000	\$170,890		COMPLETE	
	10554	CUS	Line - Southwest Disposal - Battlefield 161 kV	zonal-sponsored	06/01/09			\$675,000	\$594,254		COMPLETE	
20057	10687	CUS	Line - Brookline - Junction	regional reliability	11/01/10	06/01/13	09/18/09	\$120,000			ON SCHEDULE <4	In-service date delayed to 11/1/2010 which is prior to needed date of 6/1/2013.
	10275	DETEC	Line - Ben Wheeler - Barton's Chapel (Rayburn)	regional reliability - non OATT	12/31/10						ON SCHEDULE <4	Rayburn Country Project.
	10373	DETEC	Line - Etoile - Chireno	zonal-sponsored	06/01/11			\$11,299,000			ON SCHEDULE <4	
	10834	DETEC	Line - Chireno-Martinsville 138 kV	zonal-sponsored	06/01/12			\$7,617,000			ON SCHEDULE <4	
20036	10258	EDE	Line - Sub 436 - Webb City Cardinal - Sub 110 -	regional reliability		06/01/14	01/27/09	\$400,000			ON SCHEDULE >4	
20075	10259	EDE	Line - Sub 109 - Atlas Jct. - Sub 108 - Carthage	regional reliability	06/01/17	06/01/18	02/08/10	\$1,277,935			ON SCHEDULE >4	
19992	10265	EDE	Multi - Riverdale - Ozarks 161 kV Ckt 1	regional reliability	12/01/09	06/01/10	02/02/07		\$17,958,311		COMPLETE	Complete and in-service
19992	10266	EDE		regional reliability	12/01/09	06/01/10	02/02/07		\$14,057,000		COMPLETE	
19992	10267	EDE		regional reliability	12/01/09	06/01/10	02/02/07				COMPLETE	
19992	10268	EDE		regional reliability	12/01/09	06/01/10	02/02/07				COMPLETE	
20010	10366	EDE	Line - Sub 389-Joplin Southwest - Sub 422-Joplin	regional reliability	06/01/09	06/01/09	02/13/08	\$5,000			COMPLETE	
19969	10435	EDE	Line - SUB 184 - NEOSHO SOUTH JCT. - Neosho	transmission service	06/01/10	06/01/10	09/22/06	\$1,215,000			COMPLETE	Prior to BPF tariff
19970	10730	EDE	Line - Oronogo Junction - Riverton 161 kV Recorder	regional reliability	06/01/11	06/01/11	01/10/08	\$5,750,000			ON SCHEDULE <4	95.1% of costs BPF. 36 month lead time adequate.
20049	10495	EDE	Line - Baxter Spring West - Hockerville 69 kV	regional reliability	06/01/10	06/01/10	09/18/09	\$50,000			COMPLETE	Previously NTC 20010
20036	10546	EDE	Line - Jamesville - Sub 415-Blackhawk Jct. 69 kV	regional reliability	06/01/09	06/01/17	01/27/09	\$50,000			COMPLETE	Project complete. Incorrect in model.

20036	10547	EDE	Line - Sub 124 - Aurora H.T. - Sub 152 - Monett	regional reliability	06/01/09	06/01/09	01/27/09	\$5,000			DELAY - MITIGATION	CT ratio corrected in model. Correct Rate A/B: 54/65 (Summer), 72/72 (Winter). Project no longer needed therefore no mitigation needed.
20075	10571	EDE	Line - Diamond Jct - Sarcoux SW 69 kV	regional reliability	06/01/17	06/01/17	02/08/10	\$2,274,000			ON SCHEDULE >4	Line segment uprated (New Summer Rate A/B: 32/41 MVA) due to special case study on limiting element in question. New need date identified as Summer 2013.
20049	10641	EDE	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - J	regional reliability	12/31/09	06/01/10	09/18/09	\$55,000	\$58,620		COMPLETE	
19970	10644	EDE	XFR - Oronogo - 161/69 kV	regional reliability	06/01/11	06/01/11	01/10/08	\$4,000,000			ON SCHEDULE <4	
20075	10685	EDE	Line - Sub 383 - Monett 161 kV - Monett 5 161 k	regional reliability	06/01/15	06/01/15	02/08/10	\$7,369,319			ON SCHEDULE >4	
20075	10686	EDE	XFR - Monett 5 161 kV - Monett City South 69 kV	regional reliability	06/01/15	06/01/15	02/08/10	\$8,000,000			ON SCHEDULE >4	
20075	10839	EDE	Line - Sub 170 Nichols - Sub 80 Sedalia 69kV	regional reliability	06/01/12	06/01/10	02/08/10	\$3,520,000			DELAY - MITIGATION	Cap and transformer adjustments made at Bolivar 161/69 kV substation
	10370	EES	Line - Grandview - Osage	regional reliability - non OATT	06/01/11	06/01/09		\$6,000,000			DELAY - MITIGATION	Preliminary design has begun.
	10246	GMO	Line - Iatan - Platte City 161 kV Ckt 1	generation interconnect	06/01/10			\$1,050,000			COMPLETE	project completed and in service; costs not finalized
	10249	GMO	Line - Pope Lane to Smithville 161kV	zonal-sponsored	01/01/09			\$4,550,000			COMPLETE	Complete; costs not finalized
	10359	GMO	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	3/18/2010			\$7,127,000			COMPLETE	Line construction completed; performing relay tests
	10360	GMO	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	03/18/10						COMPLETE	Line construction completed; performing relay tests
	10428	GMO	Line - Clinton MIPU - Clinton AECI 161 kV	zonal-sponsored	12/31/11			\$2,418,750			ON SCHEDULE <4	
	10429	GMO	XFR - Sibley 161/69kV	zonal-sponsored	06/11/10			\$2,200,000			COMPLETE	project completed and in service; costs not finalized
20034	10768	GMO	Multi - Grandview East - Sampson - Longview 161kV lines	regional reliability	12/31/10	06/01/09	01/27/09	\$50,000			DELAY - MITIGATION	Grandview East wavetraps upgrades completed; mitigation plan is to increase Greenwood generation to eliminate contingent overloads
20034	10771	GMO	Line - Glenare - Liberty 69 kV	regional reliability	01/31/10	06/01/09	01/27/09	\$80,000			COMPLETE	project completed and in service
20034	10815	GMO	Line - Alabama - Lake Road 161 kV	regional reliability	06/01/09	06/01/10	01/27/09	\$20,000			COMPLETE	
20034	10816	GMO	Line - Platte City - Smithville 161 kV	regional reliability	12/01/10	12/01/10	01/27/09	\$50,000			ON SCHEDULE <4	
20034	10830	GMO	Multi - Loma Vista - Montrose 161 kV - Tap into K	regional reliability	11/01/11	06/01/09	01/27/09	\$3,527,710			DELAY - MITIGATION	project is an alternative to replace the reconductor projects of the Duncan Rd - Blue Spring East and Martin City-Grandview East 161 kV lines. Mitigation plan is to increase Greenwood and
20034	10832	GMO	Multi - Edmond Substation	regional reliability	11/01/10	04/01/09	01/27/09	\$5,405,930			DELAY - MITIGATION	Project delayed by weather and by summer load conditions
20034	10847	GMO	XFR - Clinton 161/69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$2,000,000			ON SCHEDULE <4	
20034	10854	GMO	Multi - South Harper 161 kV cut-in to Stilwell-Arc	regional reliability	06/01/11	06/01/09	01/27/09	\$3,281,565			DELAY - MITIGATION	mitigation plan is to reduce South Harper generation to eliminate contingent overloads on schedule
20077	10952	GMO	Line - Glenare - Liberty 69 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$800,000			ON SCHEDULE <4	cost estimate increased due to poor condition of structures
20093	50226	GMO	Line - Freeman - South Harper 69 kV	regional reliability	06/01/10	06/01/10	09/18/09	\$20,000			WITHDRAWN	Project has been withdrawn. Previous NTC 20053
20090	50227	GMO	Line - Cook - St Joe 161 kV	transmission service	06/01/11	06/01/11	09/18/09	\$4,400,000			WITHDRAWN	Project has been withdrawn. Previous NTC 20056
20028	10298	GRDA	XFR - Claremore 161/69 kV autos 1 and 2	regional reliability	11/16/09	06/01/09	01/27/09	\$7,200,000			COMPLETE	
20021	10385	GRDA	Multi - Kansas Tap - Siloam City 161KV	regional reliability	06/01/12	06/01/12	01/16/09	\$4,212,500			ON SCHEDULE <4	
20021	10386	GRDA	Multi - Kansas Tap - Siloam City 161KV	regional reliability	06/01/12	06/01/12	01/16/09	\$1,700,000			ON SCHEDULE <4	
20001	10387	GRDA	Line - Kerr - 412 Sub 161 kV Rebuild	regional reliability	04/01/09	06/01/10	02/13/08	\$950,000	\$567,063		COMPLETE	
20001	10388	GRDA	XFR - Sallisaw 161/69 kV Auto #2	regional reliability	03/01/11	06/01/08	02/13/08	\$3,000,000			DELAY - MITIGATION	In Service date scheduled, 3/1/11

	10389	GRDA	Line - Siloam Springs Tap - Siloam City	zonal-sponsored	06/01/10			\$3,210,200		ON SCHEDULE <4	
	10390	GRDA	XFR - Siloam Springs Tap 345/161KV	zonal-sponsored	12/01/11			\$8,019,000		ON SCHEDULE <4	
20076	10511	GRDA	XFR - Afton 161/69 kV Ckt 2	regional reliability	06/01/11	06/01/12	02/08/10	\$2,500,000		DELAY - MITIGATION	Put temporary mobile transformer in substation if outage of Afton-Maid 115 kV occurs.
20050	10512	GRDA	Line - Pensacola - Kerr 161 kV	regional reliability	06/01/11	06/01/11	09/18/09	\$10,450,000		ON SCHEDULE <4	Construction during spring, 2010
20040	10927	GRDA	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12		06/19/09	\$1,806,000		ON SCHEDULE <4	GRDA will complete substation upgrades at Cleveland. OGE will build the entire 345 kV line from Sooner to dead end at Cleveland substation.
	10840	INDN	Line - Blue Valley Plant - Sub M 161 kV	regional reliability - non OATT	06/01/12	10/01/09		\$2,625,000		DELAY - MITIGATION	
20018	10405	ITCGP	Line - Valliant - Hugo 345 kV	transmission service	04/01/12	04/01/12	01/16/09	\$19,234,000		ON SCHEDULE <4	73% BPF; assigned to ITC
20018	10406	ITCGP	XFR - Hugo 345/138 kV	transmission service	04/01/12	04/01/12	01/16/09	\$10,355,000		ON SCHEDULE <4	73% BPF; assigned to ITC
20045	10939	ITCGP	Line - Spearville - Post Rock 345 kV	Balanced Portfolio	06/01/12		06/19/09	\$50,410,000		ON SCHEDULE <4	Assigned to ITC.
20046	10940	ITCGP	Line - Spearville - Post Rock 345 kV	Balanced Portfolio	06/01/13		06/19/09	\$56,252,000		ON SCHEDULE <4	Assigned to ITC Great Plains. Please change Project Owner and request updates from ITC Great Plains
20046	10941	ITCGP	XFR - Post Rock 345/230 kV	Balanced Portfolio	06/01/12		06/19/09	\$3,994,000		ON SCHEDULE <4	Assigned to ITC Great Plains. Please change Project Owner and request updates from ITC Great Plains
20046	10943	ITCGP	Line - Post Rock - Axtell 345 kV	Balanced Portfolio	06/01/13		06/19/09	\$92,200,000		ON SCHEDULE <4	Assigned to ITC Great Plains. Please change Project Owner and request updates from ITC Great Plains
20018	50173	ITCGP	HUGO - SUNNYSIDE 345KV WFEC	transmission service	04/01/12	04/01/12	01/16/09	\$7,141,000		ON SCHEDULE <4	Full BPF; assigned to ITC
	10254	KCPL	Multi - Lackman Sub	zonal-sponsored	05/29/09			\$138,200		COMPLETE	Complete; costs not finalized
	10255	KCPL	Multi - Lackman Sub	zonal-sponsored	05/29/09					COMPLETE	Complete; costs not finalized
	10256	KCPL	Line - Terrace - Boulevard 161 kV	zonal-sponsored	09/30/10			\$4,352,600		CANCELLED	project has been cancelled; will be replaced by new substation on different line
	10257	KCPL	Line - Crosstown - Boulevard 161 kV	zonal-sponsored	03/30/10			\$4,750,000		COMPLETE	project completed and in service
	10363	KCPL	Line - Craig - Lenexa 161 kV	zonal-sponsored	07/01/10			\$192,000		ON SCHEDULE <4	
19967	10364	KCPL	Line - College - Craig 161 kV	transmission service	12/01/09	06/01/11	05/31/07	\$1,193,400	\$654,574	COMPLETE	project completed and in service; costs finalized, final cost updated
	10490	KCPL	Line - Paola - Middle Creek 161 kV	zonal-sponsored	06/01/15			\$2,622,850		ON SCHEDULE <4	Project will be deferred due to lower load growth forecasts
	10491	KCPL	Line - North Louisburg - Middle Creek 161 kV	zonal-sponsored	06/01/12			\$5,000,000		ON SCHEDULE <4	This project has been modified; will be much shorter line Wagstaff to North Louisburg
20009	10543	KCPL	Line - Avondale- Gladstone 161 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$13,000		ON SCHEDULE <4	
	10814	KCPL	Multi - Iatan 345/161 kV Sub	generation interconnect	03/18/10			\$8,000,000		COMPLETE	project completed and in service; costs not finalized
20042	10934	KCPL	Tap - Swissvale - Stilwell	Balanced Portfolio	06/01/12		06/19/09	\$2,171,096		ON SCHEDULE <4	cost estimate updated
20042	10935	KCPL	Line - Iatan - Nashua 345 kV	Balanced Portfolio	06/01/15		06/19/09	\$54,444,000		ON SCHEDULE >4	Reviewing consultant bids for ROW acquisition
20042	10945	KCPL	XFR - Nashua 345/161 kV	Balanced Portfolio	06/01/15		06/19/09	\$4,620,000		ON SCHEDULE >4	
20077	10951	KCPL	Line - Amoco Pipeline - Mayview Tap 69 kV Ckt	regional reliability	12/31/10	06/01/10	02/08/10	\$5,000		DELAY - MITIGATION	CT has been replaced; mitigation is to reduce Higginsville generation
20092	50222	KCPL	Line - Redel - Stilwell 161 kV	transmission service	06/01/11	06/01/11	09/18/09	\$2,200,000		WITHDRAWN	Project has been withdrawn. Previous NTC number 20051
20094	10633	MIDW	Line - Huntsville - St. John 115 kV Rebuild	regional reliability		06/01/15	05/07/10	\$5,250,000		ON SCHEDULE >4	
20094	10914	MIDW	Line - Hutchinson Energy Center - Huntsville 115	regional reliability		06/01/15	05/07/10	\$6,250,000		RE-EVALUATION	We have only received an NTC for a portion of this overall project. Should it be split up? Other portions of the project are tracked separately.
20089	11209	MIDW	NORTH ELLINWOOD 69KV SUBSTATION	regional reliability	1/1/2011	6/1/2009	3/31/2010	825,000		DELAY - MITIGATION	Customer Redispatch
20089	11209	MIDW	NORTH ELLINWOOD 69KV SUBSTATION	regional reliability	1/1/2011	6/1/2009	3/31/2010	825,000		DELAY - MITIGATION	Customer Redispatch
20089	11210	MIDW	TH ELLINWOOD 69/34.5KV TRANSFORMER C	regional reliability	1/1/2011	6/1/2009	3/31/2010	530,000		DELAY - MITIGATION	Customer Redispatch

20089	50223	MIDW	Line - Ellinwood - Rice County 34.5 kV	transmission service	06/01/10	06/01/10	09/18/09	\$1,812,500		WITHDRAWN	Project has been withdrawn Previous NTC number 20052
20079	10858	MKEC	Line - Pratt - St. John 115 kV rebuild	regional reliability	06/01/13	06/01/15	02/08/10	\$9,239,000		ON SCHEDULE <4	Redispatch generation in the MKEC are to reduce the line loading. NTC just received - acceptance is pending - project is not delayed
20067	11200	MKEC	CLIFTON - GREENLEAF 115KV CKT 1	regional reliability	06/01/13	06/01/11	01/13/10	\$3,600,000		DELAY - MITIGATION	NTC just received - acceptance is pending - project is not delayed. Staff- Clifton unit was turned on in models. Mitigation not acceptable.
20067	11201	MKEC	FLATRDRG3 138.00 - MEDICINE LODGE 138KV	regional reliability	06/01/13	01/01/10	01/13/10	\$2,012,500		DELAY - MITIGATION	NTC just received - acceptance is pending - project is not delayed No mitigation required. Present rating of the line will not be exceeded as the medicine Lodge Transformer limits the flow.
20067	11202	MKEC	FLATRDRG3 138.00 - HARPER 138KV CKT 1	regional reliability	06/01/13	01/01/10	01/13/10	\$6,037,500		DELAY - MITIGATION	NTC just received - acceptance is pending - project is not delayed No mitigation required. Present rating of the line will not be exceeded as the medicine Lodge Transformer limits the flow.
20067	11203	MKEC	MEDICINE LODGE - PRATT 115KV CKT 1	regional reliability	06/01/13	01/01/10	01/13/10	\$6,500,000		DELAY - MITIGATION	Redispatch generation in the MKEC are to reduce the line loading. NTC just received - acceptance is pending - project is not delayed
20067	10994	MKEC	MEDICINE LODGE 138/115KV TRANSFORMER	regional reliability	06/01/13	01/01/10	01/13/10	\$5,625,000		DELAY - MITIGATION	Special protection at that stage, and relying on the transformer will protect the transformer from overloading NTC just received - acceptance is pending - project is not delayed
20080	10772	NPPD	Line - Steele City - Kansas Border 115 kV	regional reliability	10/01/10	10/01/10	02/08/10	\$3,000,000		ON SCHEDULE <4	Coordinated with WERE on Knob Hill - State Line
	10773	NPPD	XFR - Grand Island auto 3	regional reliability	07/01/09	06/01/09		\$6,950,971		COMPLETE	
	10774	NPPD	Multi - North Platte 230/115 kV Transformers	regional reliability	04/01/07	04/01/09		\$5,000,000		COMPLETE	
20080	10775	NPPD	Multi - North Platte 230/115 kV Transformers	regional reliability	05/26/10	04/01/09	02/08/10			COMPLETE	Energized on 05/26/10
	10776	NPPD	Multi - ETR Project	regional reliability	06/01/08	01/01/10		\$170,330,000		COMPLETE	Conversion of Hoskins - Shell Creek 230 kV to 345 kV is complete. Shell Creek - Columbus East 345 kV line and Columbus East 345/115 kV Transformer is complete.
20080	10970	NPPD	Line - Columbus East - Columbus 115 kV	regional reliability	12/11/09	04/01/10	02/08/10			COMPLETE	Energized on 12/11/09
20080	10971	NPPD	Line - Pawnee Lake - Seward 115 kV	regional reliability	12/11/09	04/01/10	02/08/10			COMPLETE	Energized on 12/11/09
20080	10972	NPPD	Line - Pawnee Lake - NW 68th & Holdrege 115 kV	regional reliability	12/11/09	04/01/10	02/08/10			COMPLETE	Energized on 12/11/09
20080	10973	NPPD	Line - Rising City - Seward 115 kV	regional reliability	12/11/09	04/01/10	02/08/10	\$150,000,000		COMPLETE	Energized on 12/11/09
20080	11160	NPPD	Line - Columbus East - NW 68th & Holdrege 345	regional reliability	12/11/09	04/01/10	02/08/10			COMPLETE	Energized on 12/11/09
20080	11161	NPPD	Line - Columbus East - Shell Creek 345 kV	regional reliability	03/01/10	03/01/10	02/08/10			COMPLETE	
20080	11162	NPPD	XFR - Columbus East 345/115 kV	regional reliability	03/01/10	03/01/10	02/08/10			COMPLETE	
	10778	NPPD	Bloomfield Wind Generation Interconnection, De	regional reliability	03/01/09	03/01/09		\$5,500,000		COMPLETE	
	10817	NPPD	Twin Church / South Sioux City Area	regional reliability	06/01/12	06/01/10		\$33,000,000		ON SCHEDULE <4	Delayed due to customer load delay, cost increase due to line routing issues JH - Need date changed to come in line with previous Nebraska planning.
20080	11151	NPPD	Line - Twin Church - S. Sioux City 115 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$33,000,000		ON SCHEDULE <4	
20080	11152	NPPD	Line - Twin Church - S. Sioux City 115 kV	regional reliability	06/01/12	06/01/12	02/08/10			ON SCHEDULE <4	
	10818	NPPD	Line - Jeffrey - Gothenburg 115 kV line	regional reliability	06/01/09	06/01/10		\$800,000		COMPLETE	Complete - In-Service
20047	10942	NPPD	Line - NPPD - Axtell - Kansas Border 345 kV	Balanced Portfolio	06/01/13		06/19/09	\$76,000,000		ON SCHEDULE <4	
20080	10986	NPPD	Line - Maloney - North Platte 115 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$2,000,000		ON SCHEDULE <4	
20080	11079	NPPD	Line - Albion - Spalding 115 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$1,000,000		ON SCHEDULE <4	
20080	11080	NPPD	Line - Loup City - North Loup 115 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$1,000,000		ON SCHEDULE <4	
19996	10070	OGE	Line - Stillwater - McElroy 138 kV	regional reliability	02/27/09	05/31/08	02/01/07	\$1,758,527	\$2,067,530	COMPLETE	
	10074	OGE	Line - Chitwood - Garber 138 kV	zonal-sponsored	11/01/09			\$6,050,000		COMPLETE	
	10085	OGE	Line - Igo - Razorback 69 kV	zonal-sponsored	06/25/09			\$5,939,246	\$8,096,000	COMPLETE	Complete. All charges have not yet been credited to project.

	10153	OGE	Multi - Earlywine	zonal-sponsored	06/01/09				\$9,500,000	COMPLETE	
	10154	OGE	Multi - Earlywine	zonal-sponsored	06/01/09			\$12,900,000		COMPLETE	
	10155	OGE	Multi - Earlywine	zonal-sponsored	06/01/09					COMPLETE	
	10156	OGE	Multi - Earlywine	zonal-sponsored	06/01/09					COMPLETE	
	10159	OGE	Line - Maud - Seminole 138kV	zonal-sponsored	05/01/09			\$326,346	\$240,000	COMPLETE	An SPP Flowgate.
19960	10299	OGE	Line - Explorer Glenpool - Beeline 138 kV Ckt 1	transmission service	06/01/09	06/01/09	07/21/06	\$200,000	\$310,000	COMPLETE	3.3% BPF. Remainder of RR paid by PTP base rate
20081	10300	OGE	Line - Fort Smith - Colony 161 kV	regional reliability	06/01/13	06/01/17	02/08/10	\$1,800,000		ON SCHEDULE <4	
20002	10301	OGE	Line - Alva - Knobhill 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$35,000	\$26,000	COMPLETE	
19960	10302	OGE	Line - Explorer Glenpool - Riverside Station 138 kV	transmission service	06/01/09	06/01/09	07/21/06	\$400,000	\$660,000	COMPLETE	3.3% BPF. Remainder of RR paid by PTP base rate
	10731	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/11					ON SCHEDULE <4	Multi-upgrade project for new arc furnace near Arbuckle (on upgrade in device tab - Cap bank at Madill)
	10732	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/11					ON SCHEDULE <4	
	10733	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/11					ON SCHEDULE <4	
	10734	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/11					ON SCHEDULE <4	
	10735	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/11			\$32,975,000		ON SCHEDULE <4	
	10736	OGE	Multi - Johnson County Project	zonal-sponsored	12/01/10					ON SCHEDULE <4	Caney Creek Substation portion of project
	10737	OGE	Multi - Johnson County Project	zonal-sponsored	10/01/10					ON SCHEDULE <4	Securing of Right-of-way - Still one condemnation hearing remaining
	10820	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/13					ON SCHEDULE <4	
	10821	OGE	Multi - Johnson County Project	zonal-sponsored	06/01/13					ON SCHEDULE <4	
	10391	OGE	Line - Fitzhugh - Helberg 161 kV	zonal-sponsored	01/19/11			\$1,416,000		ON SCHEDULE <4	
	10392	OGE	Line - Great Lakes Carbon - Altus 161 kV	zonal-sponsored	02/10/11			\$543,000		ON SCHEDULE <4	
	10393	OGE	Line - Altus - Fitzhugh 161 kV	zonal-sponsored	02/28/11			\$660,000		ON SCHEDULE <4	
	10394	OGE	Line - Igo - Noark 161 kV	zonal-sponsored	02/10/11			\$2,994,000		ON SCHEDULE <4	
	10395	OGE	Line - Little Spadra - Igo 161 kV	zonal-sponsored	02/10/11			\$2,112,000		ON SCHEDULE <4	
	10396	OGE	Line - Noark - Great Lakes Carbon 161 kV	zonal-sponsored	02/10/11			\$522,000		ON SCHEDULE <4	
	10398	OGE	Line - Razorback - Igo 161 kV	zonal-sponsored	03/31/11			\$2,973,000		ON SCHEDULE <4	
	10399	OGE	Line - Razorback - Short Mountain 161 kV	zonal-sponsored	03/31/11			1,097,000		ON SCHEDULE <4	
	10400	OGE	Line - Short Mountain - Branch 161 kV	zonal-sponsored	08/18/11			\$3,231,000		ON SCHEDULE <4	
20081	10463	OGE	Line - Muldrow to 3rd St. 69 kV	regional reliability	06/01/10	06/01/09	02/08/10	\$100,000		COMPLETE	NTC date changed back original date to 6/1/2011 due to change in load. Area factory being closed. Project status needs to be changed to "Green"
20002	10513	OGE	Line - OGE Russett - WFEC Russett 138kV	regional reliability	06/01/10	12/01/12	02/13/08	\$347,073		COMPLETE	An SPP Flowgate
20002	10514	OGE	Breaker - Bodle 138 kV	regional reliability	9/1/2010	06/01/12	02/13/08	\$850,000		ON SCHEDULE <4	Area load growth less than modeled. Can be delayed to after summer
20002	10663	OGE	Line - HSL East - HSL West 69 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$250,000		ON SCHEDULE >4	
20055	10668	OGE	Line - Rose Hill - Sooner 345 kV	regional reliability	06/01/12	06/01/12	09/18/09	\$71,000,000		ON SCHEDULE <4	Right-of-way being secured
20081	10701	OGE	Multi - Johnson - Massard 161 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$6,200,000		ON SCHEDULE <4	Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV
20081	10837	OGE	Multi - Johnson - Massard 161 kV	regional reliability	06/01/12	06/01/12	02/08/10			ON SCHEDULE <4	Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV
	10747	OGE	Multi - Arcadia Tap	zonal-sponsored	06/01/11			\$1,900,000		CANCELLED	Project delayed due to lower load growth
	10748	OGE	Multi - Arcadia Tap	zonal-sponsored	06/01/11					CANCELLED	Project delayed due to lower load growth
20029	10749	OGE	Multi - VBI-Adabell 161 kV	regional reliability	10/10/10	06/01/12	01/27/09	\$4,972,000		ON SCHEDULE <4	Project done early to assure the Ft. Smith 69 kV conversion can be delayed until 2012
20029	10751	OGE	Line - Cleo Corner-Cleo Jct 69 kV	regional reliability	12/01/09	12/01/09	01/27/09	\$17,054		COMPLETE	Project may not be required due to change in modeled load.

20022	10787	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	
20022	10788	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	
20022	10789	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	Project to complete on schedule
20022	10790	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09	\$218,000,000		COMPLETE	
20022	10791	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	
20022	10913	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	
20022	10915	OGE	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10		02/02/09			COMPLETE	
20029	10792	OGE	Multi: Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$1,074,000		DELAY - MITIGATION	cannot start transmission line conversion until WFEC is complete with their line. MITIGATION: Transfer all OG&E's Turkey Creek load to OG&E's Hennessey 138-12.5 kV Substation. This
20029	10793	OGE	Multi: Dover-Twin Lake-Crescent-Cottonwood co	regional reliability	06/01/11	06/01/10	01/27/09	\$4,330,250		DELAY - MITIGATION	cannot start transmission line conversion until WFEC is complete with their line. MITIGATION: Transfer all OG&E's Turkey Creek load to OG&E's Hennessey 138-12.5 kV Substation. This
20029	10843	OGE	Line - Kilgore - VBI 69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$10,000		ON SCHEDULE <4	
20041	10929	OGE	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12	12/31/12	06/19/09	\$69,000,000		ON SCHEDULE <4	GRDA will complete substation upgrades at Cleveland. OGE will build the entire 345 kV line from Sooner to dead end at Cleveland substation.
20041	10930	OGE	Line - Seminole - Muskogee 345 kV	Balanced Portfolio	12/31/13	12/31/13	06/19/09	\$131,000,000		ON SCHEDULE <4	
20041	10931	OGE	XFR - Seminole 345/138 kV	Balanced Portfolio	12/31/13		06/19/09	\$4,000,000		CANCELLED	OGE : SPP & OG&E agreed third 345/138 kV bus tie not needed.
20041	10932	OGE	Line - Tuco - Woodward 345 kV line	Balanced Portfolio	05/19/14	05/19/14	06/19/09	\$105,000,000		ON SCHEDULE <4	
20041	10933	OGE	XFR - Woodward 345 kV and a 50 MVAR reactor bank	Balanced Portfolio	05/19/14	05/19/14	06/19/09	\$15,000,000		ON SCHEDULE <4	
20041	10946	OGE	Sub - Gracemont	Balanced Portfolio	12/31/11	12/31/11	06/19/09	\$15,000,000		ON SCHEDULE <4	Anadarko 345 kV substation renamed to Gracemont
20081	11182	OGE	Canadian River Substation	regional reliability	02/15/13	06/01/10	02/08/10	\$5,500,000		DELAY - MITIGATION	AEP supplied mitigation (See AEP's mitigation on PID 767). OG&E & AEP still negotiating ownership issues
20017	50166	OGE	ARDMORE - ROCKY POINT 69KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$1,400,000		ON SCHEDULE <4	Full BPF
20017	50167	OGE	DILLARD4 - HEALDTON TAP 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$300,000		ON SCHEDULE <4	Full BPF
20017	50168	OGE	FT SMITH 500 (FTSMITH3) 500/161/13.8KV TRANSFORMER CKT 3	transmission service	06/01/17	06/01/17	01/16/09	\$11,000,000		ON SCHEDULE >4	Full BPF
20017	50169	OGE	Line - HUGO - SUNNYSIDE 345KV OKGE	transmission service	04/01/12	04/01/12	01/16/09	\$200,000,000		ON SCHEDULE <4	Full BPF
20017	50170	OGE	SUNNYSIDE - UNIROYAL 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09	\$50,000		ON SCHEDULE <4	
20017	50171	OGE	SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$10,000,000		ON SCHEDULE <4	Full BPF
20017	50172	OGE	VBI - VBI NORTH 69KV CKT 1	transmission service	06/01/17	06/01/17	01/16/09	\$100,000		ON SCHEDULE >4	Full BPF
	10762	OMPA	Line - Ompvet - Ompark - 4 138 kV	zonal-sponsored	07/02/09			\$1,946,000		COMPLETE	
	10763	OMPA	Line - Ompvet - OmAltus - 4 138 kV	zonal-sponsored	06/05/09			\$1,094,000		COMPLETE	
	10764	OMPA	Line - Altus Junction Ompark - 4 138 kV	zonal-sponsored	06/25/09			\$1,174,552		COMPLETE	
	10765	OMPA	Line-Tamarack Tap-OmAltus-4 138 kV	zonal-sponsored	07/21/09			\$586,250		COMPLETE	
	10779	OPPD	Build New 161 KV Substations Sub 1305 & 1341	regional reliability	05/22/09	12/01/09			\$20,997,000	COMPLETE	
	10919	OPPD	Multi - Sub 1305 new load	regional reliability	05/22/09	12/01/09				COMPLETE	
	10920	OPPD	Multi - Sub 1305 new load	regional reliability	05/22/09	12/01/09			\$20,763,532	COMPLETE	
	10921	OPPD	Multi - Sub 1305 new load	regional reliability	05/22/09	12/01/09				COMPLETE	
	10922	OPPD	Multi - Sub 1305 new load	regional reliability	05/22/09	12/01/09				COMPLETE	
20082	10924	OPPD	Line - S1341 tap	regional reliability	08/01/11	12/31/11	02/08/10			ON SCHEDULE <4	
20082	10925	OPPD	Line - S1341 tap	regional reliability	08/01/11	12/31/11	02/08/10	\$16,987,625		ON SCHEDULE <4	

20082	10926	OPPD	Line - S1341 tap	regional reliability	08/01/11	12/31/11	02/08/10				ON SCHEDULE <4	
	11001	OPPD	Line - Rebuild 902-983	zonal-sponsored	03/01/11			\$2,900,000			ON SCHEDULE <4	The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria.
	11002	OPPD	Line - Sub 1221 - Sub 1255 161 kV	zonal - sponsored	11/10/12			\$675,523			ON SCHEDULE <4	
	11063	OPPD	Line - Rebuild Sub 1209 - Sub 1252 161 kV	zonal-sponsored	02/09/10			\$4,500,000			COMPLETE	The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria. This project is now complete.
20082	11139	OPPD	Line - Sub 906 North - Sub 928 69 kV Ckt 1	regional reliability	6/1/2013	06/01/13	02/08/10	\$4,638,000			ON SCHEDULE <4	This project is being evaluated for timing in the 2010 STEP.
		OPPD	Build New 161 kV Substation Sub 1399	generation interconnect	04/15/10						COMPLETE	This project is now complete.
		OPPD	Line - Humboldt - Sub 1399 161kV	generation interconnect	04/15/10			\$3,900,000			COMPLETE	This project is now complete.
		OPPD	Line - Sub 1399 - Kelly 161kV	generation interconnect	04/15/10						COMPLETE	This project is now complete.
20007	10213	SEPC	Line - WEPL Cimarron Plant - North Cimarron 115 kV	regional reliability	03/01/10	06/01/08	02/13/08	\$2,075,318			DELAY - MITIGATION	Construction is in progress. Mitigation is to request SPS to adjust the Texas Co Phase Shifter, and adjust generation on the Holcomb and Fort Dodge Plants.
	10214	SEPC	Line - Phillipsburg - Rhoades 115 kV Ckt 1	zonal-sponsored	06/01/10			\$10,500,000			ON SCHEDULE <4	Material procurement in process for the T-Line, minor construction has started on Phillipsburg sub.
20007	10215	SEPC	Line - Holcomb - Plymell 115 kV	regional reliability	12/31/11	06/01/08	02/13/08	\$3,650,000			DELAY - MITIGATION	Review of the Line design is in progress, and material procurement is in progress. Mitigation is to reduce generation in area 534 and increase in area 539 as needed to relieve overload.
20083	10336	SEPC	Line - Johnson - Pioneer 115 kV	regional reliability	06/01/10	06/01/10	02/08/10	\$10,650,000			ON SCHEDULE <4	Construction in progress
20014	10480	SEPC	Line - Plymell - Pioneer Tap 115 kV	regional reliability	12/31/11	06/01/09	09/18/08	\$3,200,000			DELAY - MITIGATION	Review of the Line design is in progress, and material procurement is in progress. Mitigation is to reduce generation in area 534 and increase in area 539 as needed to relieve overload.
20060	10103	SPS	XFR - Roswell Interchange 115 kV - Roswell Int	regional reliability	01/01/09	10/01/09	08/31/09	\$1,375,000	\$732,351		COMPLETE	
20031	10183	SPS	Line - Curry County - North Clovis Conversion	regional reliability	06/05/10	06/01/08	01/27/09	\$200,000	\$292,504		COMPLETE	Approved in 2008 budget. Replacement for upgrade of Curry autos. Requires changeout of 69 kV dist transformer to 115 kV. No mitigation needed if built by 6/1/10.
20004	10185	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	06/26/09	06/01/08	02/13/08	\$8,762,733	\$8,393,062		COMPLETE	230 kV line from Mustang to Seminole complete as of 6/26/2009
20004	10186	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	06/01/15	06/01/08	02/13/08	\$8,920,699			DELAY - MITIGATION	load has been greatly lowered, reducing need for line. Project will be accelerated, if load projections show need.
20004	10187	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	07/17/09	06/01/08	02/13/08	\$7,715,262	\$8,332,485		COMPLETE	
20004	10188	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	01/05/10	06/01/08	02/13/08				COMPLETE	This delays the need for the project until 6/1/2012. Second 230/115 kV - 150 MVA is expected to be in-service by 12/31/2009.
20004	10189	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	12/10/09	06/01/08	02/13/08		\$1,114,992		COMPLETE	Projected in service date is 12/10/2009
20004	10190	SPS	Multi - Seminole - Hobbs Project 230 kV	regional reliability	12/10/09	06/01/08	02/13/08		\$1,517,413		COMPLETE	Projected in service date is 12/10/2009
20031	10195	SPS	XFR - Tuco 115/69 kV	regional reliability		06/01/18	01/27/09	\$1,260,000			ON SCHEDULE >4	A reconfiguration of the 69 kV loading will mitigate this contingency until 2018.
20031	10197	SPS	XFR - Potash Junction Interchange 115/69 kV	regional reliability		06/01/18	01/27/09	\$600,000			ON SCHEDULE >4	No project here! Step study justified this project with a modeling error. Model correction (turning on existing capacitor bank) deferred project from 2008 to 2018.
20004	10199	SPS	XFR - Nichols 230/115 kV	regional reliability	11/20/09	06/01/11	02/13/08	\$6,000,000	\$6,475,520		COMPLETE	
20004	10200	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/10	06/01/08	02/13/08	\$5,132,829			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Texas Co. 115 kV cutin.

20004	10201	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/10	06/01/09	02/13/08	\$31,915,701			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009.	
20004	10325	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	03/01/12	06/01/09	02/13/08	\$11,922,643			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Pringle 230 kV transmission project.	
20031	10326	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$16,094,371			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Interim Mitigations: Same as provided last year with load shed being the greatest measure of mitigating low voltages and overloads for the worst contingencies. Hitchland to	
20004	10327	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/10	04/01/09	02/13/08	\$12,577,500			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Add 345/230 kV - 560 MVA transformer at Hitchland.	
20004	10328	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/10	06/01/09	02/13/08	\$15,848,000			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. 115 kV from Hitchland to Sherman Tap.	
20084	10329	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/31/10	06/01/09	02/08/10	\$10,771,825			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Dallam to Sherman 115 kv project.	
20004	10330	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/11	06/01/09	02/13/08	\$10,766,250			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Hitchland to Ochiltree 230 kV project.	
20004	10331	SPS	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/01/11	06/01/09	02/13/08	\$5,846,295			DELAY - MITIGATION	This large project is underway and portions of this project will be complete after the Summer of 2009. Ochiltree Sub 230/115 kV transformer.	
19987	10202	SPS	XFR - Hale Co 115/69 kV	regional reliability	06/04/10	06/01/07	02/02/07	\$2,900,000	\$2,033,003		COMPLETE	Mitigation Plan verified by SPP staff. Per project tracking info in this project list, these projects should be complete by 12/31/2009.	
19987	10203	SPS		regional reliability	06/04/10	06/01/07	02/02/07					COMPLETE	
20004	10206	SPS	Line - Plant X Station - Tolk Station West 230 kV	regional reliability	06/09/09	04/01/09	02/13/08	\$56,000	\$68,000		COMPLETE	Only mitigation would depend on manual switching so this project needs to be done instead.	
19987	10210	SPS	XFR - Lubbock East 115/69 kV	regional reliability	09/04/09	06/01/07	02/02/07	\$1,300,000	\$1,206,336		COMPLETE		
19987	10211	SPS	XFR - Lubbock East 115/69 kV	regional reliability	11/20/09	06/01/07	02/02/07	\$1,300,000	\$1,206,336		COMPLETE		
20004	10314	SPS	Multi - Nichols - Whitaker Sub 115kV; Nichols - C	regional reliability	11/23/09	06/01/09	02/13/08	\$5,000	\$12,500		COMPLETE	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	10315	SPS	Multi - Nichols - Whitaker Sub 115kV; Nichols - C	regional reliability	11/23/09	06/01/09	02/13/08		\$13,200		COMPLETE	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	10316	SPS	Line - Curry County Interchange-Farmers Electric REC-Clovis 115 kV	regional reliability	12/01/08	12/01/08	02/13/08	\$5,000			ON SCHEDULE <4	also confirmed with John Fulton). 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. SPS plans to	
20004	10317	SPS	Multi - Wheeler County Project - Tap 230 kV line - Two new XFs - new 115 kV line	regional reliability	07/23/10	06/01/09	02/13/08	\$10,585,000			DELAY - MITIGATION	The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line.	
20004	10318	SPS		regional reliability	07/23/10	06/01/09	02/13/08				DELAY - MITIGATION	The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line.	
20004	10319	SPS		regional reliability	07/23/10	06/01/09	02/13/08				DELAY - MITIGATION	The earliest that any portion of the Wheeler County Interchange project can be in-service will be 6/1/2010. NTC should be modified to show the tap of the 230 kV line.	
20004	10320	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08	\$15,891,640	\$5,199,326		COMPLETE		
20004	10321	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			\$4,773,698		COMPLETE	
20004	10322	SPS	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			\$7,750,847		COMPLETE	
19987	10323	SPS	XFR - Cochran 115/69 kV	regional reliability	06/10/10	06/01/08	02/02/07	\$2,750,000	\$2,807,603		COMPLETE	Mitigation Plan verified by SPP staff. Outage restrictions until winter 2009	
19987	10324	SPS		regional reliability	06/10/10	06/01/08	02/02/07					COMPLETE	
20031	10332	SPS	XFR - Yoakum County Interchange 230/115 kV	regional reliability	10/16/09	06/01/09	01/27/09	\$802,084	\$1,375,253		COMPLETE	Projected in service date is 10/16/2009	
	10407	SPS	Line - Roosevelt County Interchange 115 kV - Cu	regional reliability	10/01/10	06/01/15		\$200,000			ON SCHEDULE <4	Will need additional study	
20031	10704	SPS	Multi: Dallam - Channing - Tascosa - Northwest	regional reliability	06/01/11	06/01/09	01/27/09	\$27,452,677			DELAY - MITIGATION	Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no mitigations	
20031	10705	SPS	Multi - Dallam - Channing - Tascosa - Northwest	regional reliability	06/01/11	06/01/09	01/27/09					DELAY - MITIGATION	Interim Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no
20031	10706	SPS	Multi - Dallam - Channing - Tascosa - Northwest	regional reliability	06/01/11	06/01/09	01/27/09					DELAY - MITIGATION	Interim Mitigations: Currently there is no backup for the 69 kV service at Channing and Tascosa. Any contingency on this radial line will remove load from the system. Therefore, no
20031	10757	SPS	Line - Ocotillo sub conversion 115 kV	regional reliability	06/01/11	06/01/09	01/27/09	\$1,222,843			DELAY - MITIGATION	overload of the Carlsbad 115/69 kV transformer for the outage of the parallel transformer, start the Carlsbad GT. Shed load to mitigate overload while Carlsbad generation brought on line, if	
	10758	SPS	Line - Roz3 - Amerada Hess Co2 115 kV	zonal reliability	10/16/09				\$1,089,208		COMPLETE	Projected in service date is 10/16/2009	
	10759	SPS	Line - Roz3 - Seminole 115 kV	zonal-sponsored	10/16/09				\$624,101		COMPLETE	Projected in service date is 10/16/2009	

	10760	SPS	Line - Denver City - seminole 115 kV	zonal-sponsored	07/17/09				\$294,474	COMPLETE	
	10761	SPS	Line - Seminole - Doss Interchange 115 kV	zonal-sponsored	07/31/09				\$1,523,183	COMPLETE	
20031	10822	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 tra	regional reliability	06/01/11	06/01/09	01/27/09	\$3,937,500		DELAY - MITIGATION	This project is the fix for the Gaines Co. Auto STEP project. Interim Mitigations: To address the overload of one Gaines County 115/69 kV transformer for the outage of the parallel
20031	10823	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 tra	regional reliability	06/01/11	06/01/09	01/27/09	\$3,375,000		DELAY - MITIGATION	This project is the fix for the Gaines Co. Auto STEP project. Interim Mitigations: To address the overload of one Gaines County 115/69 kV transformer for the outage of the parallel
20031	10824	SPS	Multi: Legacy Interchange 69 kV Tap - 115/69 tra	regional reliability	06/01/11	06/01/09	01/27/09	\$3,093,750		DELAY - MITIGATION	transformer, shed load to mitigate overload, then Close Switch 7857 [527349 – 527339], and
20031	10825	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69	regional reliability	04/15/11	06/01/09	01/27/09	\$3,285,000		DELAY - MITIGATION	transformer, shed load to mitigate overload, then Close Switch 7857 [527349 – 527339], and
20031	10826	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69	regional reliability	04/15/11	06/01/09	01/27/09	\$281,250		DELAY - MITIGATION	outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 – 527768].
20031	10827	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69	regional reliability	04/15/11	06/01/09	01/27/09	\$281,250		DELAY - MITIGATION	Interim Mitigations: To address the overload of one Artesia 115/69 kV transformer for the
20031	10828	SPS	Multi: Eagle Creek 115 and 69 kV Taps - 116/69	regional reliability	04/15/11	06/01/09	01/27/09	\$1,350,000		DELAY - MITIGATION	outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 – 527768].

	10838	SPS	Multi - New Tri-County Interchange Project	regional reliability		06/01/13					DELAY - MITIGATION	Cap and transformer adjustments made at Bolivar 161/69 kV substation
20031	10829	SPS	Line - Chaves Co - Roswell Int 69/115 kV Voltage	regional reliability	12/31/2012	06/01/09	01/27/09	\$4,716,600			DELAY - MITIGATION	Mitigations: In 2009 the contingency loss of one of the 115/69 kV transformers at Roswell Interchange will cause the other to overload to 48.9 MVA, of the 40 MVA rating, or 122.4%.
20043	10936	SPS	Line - Tucco - Woodward 345 kV line	Balanced Portfolio	05/19/14		06/19/09	\$122,597,500			ON SCHEDULE >4	
20043	10937	SPS	XFR - Tucco transformer and Mid-point Reactor Station	Balanced Portfolio	05/19/14		06/19/09	\$26,130,000			ON SCHEDULE >4	
20084	11085	SPS	XFR - Tucco 345/230 kV Ckt 2	Balanced Portfolio	11/30/2013	06/01/12	06/19/09	\$11,250,000			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11018	SPS	XFR - Roosevelt 230/115 kV Ckt 2	regional reliability	06/01/13	06/01/10	02/08/10	\$5,670,000			RE-EVALUATION	SPP is to re-evaluate this project in 2010 STEP - conflicts with PID 795, UID 11052
20084	11019	SPS	Multi - Cherry Sub add 230kV source and 115 kV	regional reliability	3/31/2013	06/01/10	02/08/10	\$679,000			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11020	SPS	Multi - Cherry Sub add 230kV source and 115 kV	regional reliability	3/31/2013	06/01/10	02/08/10	\$8,515,623			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11021	SPS	Multi - Cherry Sub add 230 kV source and 115 kV	regional reliability	3/31/2013	06/01/10	02/08/10	\$5,062,500			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11022	SPS	Multi - Cherry Sub add 230 kV source and 115 kV	regional reliability	3/31/2013	06/01/10	02/08/10	\$2,200,000			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11023	SPS	Multi - Cherry Sub add 230 kV source and 115 kV	regional reliability	3/31/2013	06/01/10	02/08/10	\$1,700,000			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11026	SPS	Line - Deaf Smith - Panda 115 kV	regional reliability	6/1/2012	06/01/10	02/08/10	\$2,253,579			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11027	SPS	Line - East Plant - Manhattan 115 kV	regional reliability	4/30/2014	06/01/10	02/08/10	\$6,434,410			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11029	SPS	Line - Maddox - Sanger SW 115 kV	regional reliability	5/31/2012	06/01/10	02/08/10	\$608,240			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11032	SPS	Line - South Georgia Interchange - Osage Switch	regional reliability	4/30/2014	06/01/10	02/08/10	\$2,907,749			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11033	SPS	XFR - Install 2nd Randall 230/115 kV transformer	regional reliability	4/30/2014	06/01/10	02/08/10	\$6,053,270			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11036	SPS	Line - Maddox Station - Monument 115 kV Ckt 1	regional reliability	5/31/2012	06/01/11	02/08/10	\$1,098,248			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11038	SPS	Line - Brasher Tap - Roswell Interchange 115 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$173,324			ON SCHEDULE <4	
20084	11040	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$9,683,496			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11041	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$6,532,144			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11042	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$9,229,154			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11043	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$3,008,180			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11044	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$5,204,131			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11045	SPS	Multi - New Hart Interchange 230/115 kV	regional reliability	4/30/2015	06/01/10	02/08/10	\$10,180,762			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11047	SPS	Line - Gaines - Legacy 115 kV Ckt 1 reconductor	regional reliability	06/30/11	06/01/13	02/08/10	\$2,320,300			ON SCHEDULE <4	This project is in the scope of work for the Legacy project.
20084	11049	SPS	XFR - Grave 115/69 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$900,000			ON SCHEDULE <4	
20084	11050	SPS	Multi - Frio-Draw - Potter 345 kV Ckt 1	regional reliability	12/31/2014	06/01/13	02/08/10	\$82,607,351			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11051	SPS	Multi - Frio-Draw - Potter 345 kV Ckt 1	regional reliability	12/31/2014	06/01/13	02/08/10	\$19,349,122			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11052	SPS	Multi - Frio-Draw - Potter 345 kV Ckt 1	regional reliability	5/31/2013	06/01/11	02/08/10	\$19,349,122			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11053	SPS	Multi - Frio-Draw - Potter 345 kV Ckt 1	regional reliability	5/31/2013	06/01/11	02/08/10	\$14,805,472			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11054	SPS	Multi - Frio-Draw - Potter 345 kV Ckt 1	regional reliability	5/31/2013	06/01/11	02/08/10	\$20,612,670			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11056	SPS	XFR - Borden 230/138 kV Transformer Ckt #2	regional reliability	12/31/2013	06/01/10	02/08/10	\$2,530,676			DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project

20084	11084	SPS	Line - Randall Co - Osage 115 kV	regional reliability	4/30/2014	06/01/10	02/08/10	\$2,110,980		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11089	SPS	Multi - Hobbs - Midland 230 kV to 345 kV Converter	regional reliability	12/31/2013	06/01/10	02/08/10	\$655,534		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11090	SPS	Multi - Hobbs - Midland 230 kV to 345 kV Converter	regional reliability	12/31/2013	06/01/10	02/08/10	\$8,324,480		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11091	SPS	XFR - Midland Int 345/138 kV Ckt 1	regional reliability	12/31/2013	06/01/10	02/08/10	\$6,794,849		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11096	SPS	XFR - Kingsmill 115/69 kV Ckt 2	regional reliability	6/1/2013	06/01/11	02/08/10	\$4,428,144		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11097	SPS	Line - Randall - Manhattan Tap 115 kV Ckt 1	regional reliability	4/30/2014	06/01/10	02/08/10	\$6,534,410		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11101	SPS	Line - Portales - Zodiac 69 kV to 115 kV Converter	regional reliability	06/01/13	06/01/13	02/08/10	\$3,576,231		ON SCHEDULE <4	
20088	11102	SPS	Multi - Move Load from East Clovis 69 kV to East Clovis 115 kV	regional reliability	6/1/2014	06/01/14	5/7/2010	\$2,500,000		ON SCHEDULE <4	
20084	11107	SPS	Multi - Kress Interchange - Plainview County 115 kV	regional reliability	6/1/2015	06/01/14	02/08/10	\$14,126,005		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11108	SPS	Multi - Kress Interchange - Plainview County 115 kV	regional reliability	6/1/2015	06/01/14	02/08/10	\$4,590,367		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11109	SPS	Line - Cox - Plainview 115 kV	regional reliability	6/1/2015	06/01/14	02/08/10	\$5,949,482		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11121	SPS	Line - Harrington - Randall County 230 kV	regional reliability	4/30/2014	06/01/10	02/08/10	\$27,144		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11196	SPS	Line - East Plant - Pierce 115 kV Ckt 1	regional reliability	6/1/2012	06/01/11	02/08/10	\$1,451,925		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11172	SPS	Line - Grassland - Jones 230 kV Ckt 2	regional reliability	06/01/14	06/01/11	02/08/10	\$24,147,866		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11176	SPS	Line - Canyon West - Spring Draw 115 kV	regional reliability	6/1/2013	06/01/10	02/08/10	\$4,975,165		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	11177	SPS	Line - Randall - Amarillo S 230 kV Ckt 1	regional reliability	4/30/2014	06/01/10	02/08/10	\$20,907,295		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
	10125	SWPA	XFR - Eufaula 161/138 kV	regional reliability - non OATT	10/01/10	04/01/09		\$3,000,000		DELAY - MITIGATION	Transformer contract has been awarded, and transformer is now being manufactured. Installation will be in the fall of 2010.
	10439	SWPA	Line - BULL SHOALS - BULL SHOALS 161KV	regional reliability - non OATT	05/01/10	06/01/11		\$2,200,000		ON SCHEDULE <4	Construction is underway.
20003	10166	WFEC	Line - Anadarko - Cyril 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$3,120,000		COMPLETE	
20030	10173	WFEC	Multi - Lindsay - Lindsay SW and Bradley-Rush S	regional reliability	12/01/11	06/01/10	01/27/09	\$2,328,750		DELAY - MITIGATION	Deferred in 2007 Expansion Plan. Cancelled by BOD in July 2008. Determined as needed in 2008 Expansion Plan.
20030	10799	WFEC	Multi: Lindsay - Lindsay SW and Bradley-Rush S	regional reliability	06/30/12	06/01/10	01/27/09	\$1,248,750		DELAY - MITIGATION	
20003	10174	WFEC	Line - Meeker - Hammett 138 kV	regional reliability	06/01/11	06/01/08	02/13/08	\$6,674,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10175	WFEC	Line - Wakita - Hazelton 69 kV	regional reliability	06/01/11	04/01/09	02/13/08	\$8,000,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10176	WFEC	Line - OGE Woodward - WFEC Woodward 69 kV	regional reliability	12/01/11	04/01/09	02/13/08	\$1,050,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
19985	10179	WFEC	Line - ACME - W Norman 69 kV	regional reliability	06/01/12	06/01/08	02/02/07	\$912,000		DELAY - MITIGATION	Mitigation Plan under review by SPP. Deferred in latest SPP Transmission Expansion Plan.
20003	10181	WFEC	Line - Little Axe - Noble 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$2,640,000		COMPLETE	
20003	10303	WFEC	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	12/01/10	06/01/12	02/13/08	\$8,265,000		ON SCHEDULE <4	AEP's station cost is \$1.665M. WFEC's construction cost is \$6.6M. An interconnection agreement has been executed between WFEC and AEP.
20003	10304	WFEC	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	12/01/10	06/01/12	02/13/08			ON SCHEDULE <4	
20030	10305	WFEC	Line - WFEC Snyder - AEP Snyder	regional reliability	12/31/10	06/01/09	01/27/09	\$3,373,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10306	WFEC	Line - Cyril to Medicine Park Jct 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$750,000		COMPLETE	
20003	10307	WFEC	Line - Anadarko - Georgia Tap 138 kV	regional reliability	06/01/12	06/01/09	02/13/08	\$2,000,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10308	WFEC	Line - Elmore - Paoli 69 kV	regional reliability	06/01/12	06/01/09	02/13/08	\$3,240,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10309	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$2,753,800		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.

20003	10310	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$2,250,000			DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10311	WFEC	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$5,000,000			DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20003	10401	WFEC	Multi - Franklin SW - Acme - Norman - OU SW C	regional reliability	12/31/12	06/01/10	02/13/08	\$2,065,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10402	WFEC	Multi - Franklin SW - Acme - Norman - OU SW C	regional reliability	12/31/12	06/01/10	02/13/08	\$1,601,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10403	WFEC	Multi - Franklin SW - Acme - Norman - OU SW C	regional reliability	12/31/12	06/01/10	02/13/08	\$1,577,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10466	WFEC	Line - Medicine Park Jct - Fletcher 69 kV	regional reliability	06/01/09	06/01/11	02/13/08	\$1,230,000	not all charges in		COMPLETE	
19951	10467	WFEC	XFR - Anadarko 138/69 kV	transmission service	06/01/11	06/01/11	01/02/07	\$2,000,000			ON SCHEDULE <4	
20003	10471	WFEC	Line - Fletcher - Marlow Jct 69 kV	regional reliability	12/01/12	06/01/11	02/13/08	\$2,000,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10519	WFEC	Line - Lindsay - Wallville 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,347,000			ON SCHEDULE <4	
20003	10520	WFEC	Line - Pharoah - Weleetka 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$225,000			ON SCHEDULE <4	
20003	10521	WFEC	Line - WFEC Russell 138 kV - AEP Altus Jct Tap	regional reliability	06/01/12	06/01/12	02/13/08	\$50,000			ON SCHEDULE <4	
20003	10522	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/13	06/01/12	02/13/08	\$1,125,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10523	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/13	06/01/12	02/13/08	\$7,306,000			DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans

20003	10524	WFEC	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/13	06/01/12	02/13/08	\$5,000,000		DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	10525	WFEC	XFR - Comanche 138/69 kV Transformer	regional reliability	06/01/09	06/01/12	02/13/08	\$1,000,000		COMPLETE	
20030	10752	WFEC	Line - Buffalo-FT Supply CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		COMPLETE	
20030	10753	WFEC	Line - Burlington-Cherokee SW 69 kV CT	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		COMPLETE	
20030	10754	WFEC	Line - IODINE - MOORELAND 138KV CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		COMPLETE	
20030	10755	WFEC	Line - MOORELAND - MOREWOOD SW 138KV	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		COMPLETE	
20030	10756	WFEC	Line - Grandfield-Hollister 69 kV	regional reliability	06/01/09	06/01/09	01/27/09	\$150,000		COMPLETE	
20030	10794	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonw	regional reliability	12/01/11	06/01/10	01/27/09	\$5,765,600		DELAY - MITIGATION	
20030	10795	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonw	regional reliability	12/01/11	06/01/10	01/27/09	\$5,315,700		DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20030	10796	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonw	regional reliability	12/01/11	06/01/10	01/27/09	\$3,164,000		DELAY - MITIGATION	
20030	10797	WFEC	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonw	regional reliability	12/01/11	06/01/10	01/27/09	\$3,937,500		DELAY - MITIGATION	
20030	10798	WFEC	Line - Carter Jct-Lake Creek 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$150,000		ON SCHEDULE <4	
20085	10878	WFEC	Line - El Reno - El Reno SW 69 kV	regional reliability	06/01/12	06/01/17	02/08/10	\$1,950,000		ON SCHEDULE <4	
20044	10938	WFEC	Tap Anadarko - Washita 138 kV line into Gracemont 345 kV	Balanced Portfolio	12/31/11		06/19/09	\$200,000		ON SCHEDULE <4	WFEC changed the project. The project will now tap the existing Washita-Anadarko 138 kV line and bring it into the Gracemont (aka Andarko 345 kV) substation.
20085	11114	WFEC	Line - Snyder - Tipton 69 kV CT	regional reliability	06/01/11	06/01/11	02/08/10	\$225,000			
20085	11115	WFEC	Multi - Anadarko - Blanchard - OU SW 138 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$14,737,500		ON SCHEDULE <4	
20006	10219	WR	Line - Fort Junction - Anzio 115 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$5,818,996		COMPLETE	
20006	10220	WR	Line - Weaver - Rose Hill 69 kV	regional reliability	11/22/10	06/01/08	02/13/08	\$1,994,880		DELAY - MITIGATION	Interim mitigation is continued use of applicable Transmission Operating Directives.
20006	10221	WR	Line - Tecumseh Energy Center - Midland 115 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$2,100,000		ON SCHEDULE <4	
	10222	WR	Line - Gill Energy Center West-Peck 69 kV Rebu	zonal-sponsored	12/01/10			\$6,854,804		ON SCHEDULE <4	Project deferred.
20006	10228	WR	Line - Summit - NE Saline 115 kV	regional reliability	01/21/10	06/01/09	02/13/08	\$7,730,374		COMPLETE	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
19986	10229	WR	Line - Stranger Creek - Thornton Street 115 kV A	regional reliability	11/01/10	06/01/07	02/02/07	\$5,689,316		DELAY - MITIGATION	Interim mitigation is implementation of Transmission Operating Directive 1216; Project delay is due to routing difficulties at Stranger Creek substation taking into account the addition of the
20059	10231	WR	Line - Chase - White Junction 69 kV	regional reliability	12/01/12	06/01/10	09/18/09	\$6,066,000		DELAY - MITIGATION	Interim mitigation is application of existing Transmission Operating Directive 634
19965	10334	WR	Line- 166th - Jaggard Junction 115 kV Rebuild	transmission service	02/03/10	06/01/09	05/29/07	\$2,305,232		COMPLETE	
19965	10335	WR	Line - Jaggard Junction - Pentagon 115 kV Rebu	transmission service	06/01/10	06/01/09	05/29/07	\$4,437,424		COMPLETE	
20006	10343	WR	Line - Reno - Circle 115 kV	regional reliability	03/01/09	06/01/09	02/13/08	\$4,056,582		COMPLETE	
	10345	WR	Line - Reno County-Summit 345 kV ckt 1	sponsored	09/30/10			\$100,678,016		ON SCHEDULE <4	Project costs include rebuilding of 115 kV and 230 kV underlying system on same ROW
	10346	WR	XFR - Reno County 345/115 kV #2	sponsored	09/21/09			\$4,337,501		COMPLETE	
20006	10348	WR	XFR - Stranger Creek 345/115 #2 Addition	regional reliability	09/15/09	06/01/09	02/13/08	\$8,700,000		COMPLETE	
20033	10349	WR	Line - Circle - HEC GT 115 kV Rebuild	regional reliability	12/01/11	06/01/11	01/27/09	\$802,300		DELAY - MITIGATION	Interim mitigation is redipatch of HEC GT units.
20086	10350	WR	Multi - Halstead - Mud Creek Jct. - Mid-American	regional reliability	12/31/11	06/01/10	02/08/10	\$3,885,000		DELAY - MITIGATION	UVLS operational in Newton Division. AUVLS operational in Newton Division. As part of the project, adjustment of CTs at Halstead and Newton to increase line rating has been completed.
20086	10351	WR	Multi - Halstead - Mud Creek Jct. - Mid-American	regional reliability	12/31/11	06/01/10	02/08/10	\$544,000		DELAY - MITIGATION	UVLS operational in Newton Division. As part of the project, adjustment of CTs at Halstead and Newton to increase line rating has been completed. Substation terminal costs is \$220,000 for
20086	10352	WR	Multi - Halstead - Mud Creek Jct. - Mid-American	regional reliability	12/31/11	06/01/10	02/08/10	\$2,109,000		DELAY - MITIGATION	UVLS operational in Newton Division. As part of the project, adjustment of CTs at Halstead and Newton to increase line rating has been completed. Substation terminal costs is \$220,000 for

19964	10412	WR	Line - Coffeyville - Dearing 138 kV	transmission service	06/01/10	06/01/10	06/27/07	\$2,919,763		COMPLETE	Cost is WERE portion only
20006	10417	WR	Line - Oaklawn - Oliver 69 kV	regional reliability	06/01/11	06/01/10	02/13/08	\$1,512,000		DELAY - MITIGATION	Interim mitigation is to transfer load on 69 kV substations in Wichita to unload the line.
20006	10419	WR	Line - West McPherson - Wheatland 115 kV	regional reliability	03/01/09	06/01/10	02/13/08	\$3,945,405		COMPLETE	
20006	10424	WR	Line - Reno(Circle) - Moundridge Project 115 kV	regional reliability	06/01/12	06/01/10	02/13/08	\$5,815,000		DELAY - MITIGATION	Rebuild will be done as part of Wichita - Reno County 345 kV
	10425	WR	XFR - Reno(Circle)-Moundridge Project	zonal-sponsored	06/01/15			\$2,340,000		ON SCHEDULE <4	
20006	10426	WR	Multi - Fort Scott - Marmaton/Litchfield 161kV	regional reliability	06/01/13	06/01/10	02/13/08	\$5,850,000		DELAY - MITIGATION	Mitigation is power factor correction on 69 kV system between Marmton and Litchfield
20006	10427	WR	Multi - Fort Scott - Marmaton/Litchfield 161kV	regional reliability	06/01/13	06/01/10	02/13/08	\$2,784,000		DELAY - MITIGATION	Mitigation is power factor correction on 69 kV system between Marmton and Litchfield
20006	10482	WR	Line - SW Lawrence - Wakarusa 115 kV Rebuild	regional reliability	06/01/11	06/01/11	02/13/08	\$2,300,000		ON SCHEDULE <4	Re-evaluating scope of project as part of a comprehensive assessment of the Lawrence load area.
20006	10483	WR	Line - Co-op - Wakarusa	regional reliability	06/01/11	06/01/11	02/13/08	\$889,000		ON SCHEDULE <4	The required date to start the project has not yet occurred; Mitigation plans not required
19964	10488	WR	XFR - Rose Hill 345/138 kV #3 Addition	transmission service	06/01/12	06/01/11	06/27/07	\$8,100,000		DELAY - MITIGATION	Interim mitigation is to open any 138 kV line out of Rose Hill.
20033	10602	WR	Line - East Manhattan - McDowell 115 kV to 230	regional reliability	06/01/12	06/01/10	01/27/09	\$4,674,000		DELAY - MITIGATION	Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced
20086	10603	WR	Line - Gill - Interstate 138 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$65,000		ON SCHEDULE <4	
20086	10636	WR	Line - Bismarck - Co-Op 115 kV	regional reliability	12/01/11	06/01/09	02/08/10	\$3,070,000		DELAY - MITIGATION	reliability concern since project is needed due to the outage of SW Lawrence-Mockingbird which TOD 1212 does not address.
20033	10638	WR	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09	\$4,200,000		DELAY - MITIGATION	Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth; Cost is for Stranger-Jarbalo portion
20033	10639	WR	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09	\$4,600,000		DELAY - MITIGATION	Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth; Cost is for Stranger-NW Leavenworth portion
20059	10674	WR	Line - Rose Hill - Sooner 345 kV	regional reliability	06/15/12	01/01/13	09/18/09	\$58,947,041		ON SCHEDULE <4	
20086	10678	WR	XFR - Auburn Road 230/115 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$12,622,500		ON SCHEDULE <4	
20086	10679	WR	XFR - Halstead South 138/69 kV Ckt 1	regional reliability	06/01/14	06/01/14	02/08/10	\$1,400,000		DELAY - MITIGATION	Interim Mitigation is to reswitch the 69 kV system and move the Burrton 69 kV substation to be serve from Hutchinson.
20059	10711	WR	Line - Evans - Lakeridge 138 kV ckt 1	regional reliability	10/01/09	06/01/10	09/18/09	\$0		COMPLETE	Line is currently rated for 2,000 ampere service.
20063	10713	WR	Multi - Litchfield - Aquarius - Hudson Jct. 69 kV L	regional reliability	06/01/13	06/01/13	11/02/09	\$85,500		ON SCHEDULE <4	The project is needed at an earlier in service date than previous NTC identified.
20019	10738	WR	Line - Kelly - Seneca 115 kV	regional reliability	12/31/10	06/01/09	11/17/08	\$6,343,562		DELAY - MITIGATION	FLOWGATE 5328 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
20019	10739	WR	Line - Knob Hill - Steele City 115 kV	regional reliability	06/01/10	06/01/09	11/17/08	\$29,580,860		DELAY - MITIGATION	FLOWGATE 5328 Mitigation is putting the Clifton Unit (539655) on and increasing the output as needed to relieve the line loading. Substation cost 12 \$1.0 million.
20033	10766	WR	Line - 27th & Croco - Tecumseh Hill 115 kV	regional reliability	12/31/10	06/01/09	01/27/09	\$4,196,719		DELAY - MITIGATION	Project will probably defer to 2010 due to reduced load forecast. Expected in-service date is 12/1/2010.
20033	10767	WR	Line - 27th & Croco - 41st & California 115 kV	regional reliability	04/01/11	06/01/09	01/27/09	\$3,220,000		DELAY - MITIGATION	Project will probably defer to 2011 due to reduced load forecast. Expected in-service date is 12/1/2011. Substation terminal upgrades is \$475,000.
20033	10806	WR	Multi - NW Manhattan	regional reliability	12/01/11	06/01/10	01/27/09	\$20,396,000		DELAY - MITIGATION	Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced
20033	10809	WR	Line - E. Manhattan - JEC 230 kV	regional reliability		06/01/10	01/27/09	\$19,307,000		RE-EVALUATION	
20059	10810	WR	Line - Richland - Rose Hill Junction 69 kV	regional reliability	07/01/11	06/01/11	09/18/09	\$2,602,000		DELAY - MITIGATION	Interim mitigation is continued use of applicable Transmission Operating Directives.
20033	10813	WR	Line - Rebuild Chisolm - Ripley 69 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$2,497,000		DELAY - MITIGATION	
20033	10844	WR	Line - Twin Valley - Altamont - Neosho 138 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$4,600,000		ON SCHEDULE <4	
20063	10846	WR	XFR - 17th Street 138/69 kV second transformer	regional reliability	06/01/13	06/01/10	11/02/09	\$2,400,000		DELAY - MITIGATION	The project is needed at an earlier in service date than previous NTC identified.
20086	10857	WR	Line - Hutchinson Energy Center - Huntsville 115	regional reliability	06/01/15	06/01/13	02/08/10	\$5,700,000		DELAY - NO MITIGATION	28.8 miles of line; Approximately 7 miles of line is Westar Energy and is built double circuit.
20086	10866	WR	Line - Gill - Clearwater 138 kV	regional reliability	06/01/11	06/01/16	02/08/10	\$5,900,000		ON SCHEDULE <4	Line rebuild will be 2x1192.5 kmil ACSR and structures will be designed for double circuit.
20063	10870	WR	Line - GEC West - Waco 138 kV	regional reliability	06/01/12	06/01/10	11/02/09	\$1,500,000		DELAY - MITIGATION	Interim mitigation is to reswitch Sunset 69 kV (Bus 533844) to alternate feed from Gill 69 kV
20068	11082	WR	GILL ENERGY CENTER EAST - MACARTHUR	regional reliability	06/01/12	06/01/12	01/13/10	\$3,000,000		ON SCHEDULE <4	
20086	11082	WR	Line - Gill Energy Center East - MacArthur 69 kV	regional reliability	06/01/13	06/01/13	02/08/10	\$5,380,000		ON SCHEDULE <4	

20068	11204	WR	MACARTHUR - OATVILLE 69KV CKT 1	regional reliability	06/01/12	06/01/12	01/13/10	\$45,000		ON SCHEDULE <4	
20091	50228	WR	Line - Allen - Lehigh Tap 69 kV	transmission service	06/01/12	06/01/12	09/18/09	\$4,131,000		ON SCHEDULE <4	Previous NTC 20059
20091	50232	WR	Line - Athens - Owl Creek 69 kV	transmission service	12/01/11	04/01/11	09/18/09	\$2,227,000		DELAY - MITIGATION	Previous NTC 20059
20091	50233	WR	Line - Burlington Junction - Coffey County No. 3	transmission service	07/01/13	07/01/13	09/18/09	\$2,000,000		ON SCHEDULE <4	Previous NTC 20059
20091	50234	WR	Line - Burlington Junction - Wolf Creek 69 kV	transmission service	01/01/13	01/01/13	09/18/09	\$2,752,000		ON SCHEDULE <4	Previous NTC 20059
20091	50236	WR	Line - Coffey County No. 3 Westphalia - Green 6	transmission service	04/01/14	04/01/14	09/18/09	\$6,025,000		ON SCHEDULE >4	Previous NTC 20059
20091	50238	WR	Line - Green - Vernon 69 kV	transmission service	12/01/10	07/01/10	09/18/09	\$4,575,190		DELAY - MITIGATION	Previous NTC 20059
20091	50239	WR	Line - Lehigh Tap - Owl Creek 69 kV	transmission service	12/31/11	12/01/11	09/18/09	\$5,814,000		ON SCHEDULE <4	Previous NTC 20059
20091	50240	WR	Line - Lehigh Tap - United No. 9 Conger 69 kV	transmission service	11/01/13	11/01/13	09/18/09	\$795,000		ON SCHEDULE <4	Previous NTC 20059
20091	50245	WR	Line - Vernon - Athens 69 kV	transmission service	04/30/11	01/01/11	09/18/09	\$3,297,000		DELAY - MITIGATION	Previous NTC 20059
20059	50235	WR	Line - Chanute Tap - Tioga 69 kV	transmission service	06/01/10	06/01/10	09/18/09	\$135,000		ON SCHEDULE <4	
20059	50237	WR	Line - Coffeyville Tap - Dearing 138 kV CKT 1 W	transmission service	06/01/10	06/01/10	09/18/09	\$750,000		ON SCHEDULE <4	
20059	50241	WR	Line - Neosho - Northeast Parsons 138 kV	transmission service	06/01/11	06/01/11	09/18/09	\$250,000		COMPLETE	
20059	50242	WR	Line - Sumner County - Timber Junction 138 kV	zonal reliability	09/15/10	06/01/11	09/18/09	\$10,737,755		ON SCHEDULE <4	Transmission line portion will be complete by 7/1/2010. 69 kV substation and 138-69 kV transformer will be in service 6/1/2011.

## SPP 3rd Quarter 2010 Project Tracking List - Device

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

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

NTC_ID	UID	Project Owner	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Cost Estimate	Final Cost	Project Status	Project Status Comments
	50035	AEP	Figure Five	zonal - sponsored	10/25/09			\$873,000		COMPLETE	
	50076	AEP	Sugar Loaf	zonal - sponsored	12/01/12			\$500,000		ON SCHEDULE <4	
	50178	AEP	Delivery point- Hull	zonal - sponsored	09/18/09			\$654,000		COMPLETE	
	50091	CUS	Device - Mentor Substation	zonal - sponsored	09/25/09			\$1,800,000		COMPLETE	
20036	50073	EDE	Device - Quapaw Cap 69 kV	regional reliability	12/01/10	06/01/18	01/27/09	\$1,500,000		ON SCHEDULE <4	Project under study. Will be complete once 2008 series models are released. Distribution transformer taps to be
20010	50084	EDE	Device - Riverside Sub Cap 161kV	zonal reliability	05/28/10	06/01/09	02/13/08	\$2,600,000		COMPLETE	Re-energized May 28, 2010
20087	50194	GMO	Device - Adrian 161kV Capacitor	regional reliability	06/01/11	06/01/11	02/08/10	\$810,000		ON SCHEDULE <4	no space at Adrian, will propose Nevada as alternative location for capacitor bank
20053	50224	GMO	Device - Blue Springs East 161 kV Capacitor	regional reliability	06/01/11	06/01/11	09/18/09	\$1,400,000		WITHDRAWN	project withdrawn SPP-NTC-20095
20053	50225	GMO	Device - Ralph Green 161 kV Capacitor	regional reliability	06/01/10	06/01/10	09/18/09	\$486,000		WITHDRAWN	project withdrawn SPP-NTC-20095
20028	50078	GRDA	Device - Afton Cap 69 kV	regional reliability	06/01/11	06/01/09	01/27/09	\$800,000		DELAY - MITIGATION	To satisfy Transmission Service requests this project is being replaced by adding a second Auto 161/69 at the Afton 161/69 substation, this project eliminates the need for the cap bank at this site. Put temporary mobile transformer in substation if outage of Afton-Maid 115 kV occurs.
20028	50080	GRDA	Device - Tablequah West 69 Cap kV	regional reliability		06/01/09	01/27/09	\$779,000		DELAY - NO MITIGATION	This project will be replaced by the new Cedar Crest 161/69 substation. This provides another 161kV source in the area. This project is in the MDWG models and the cap bank has been removed. The Cedar Crest project is a KAMO project. Mitigation- model corrections to adjust LTC taps. Staff-mitigation does not seem to work.
20001	50092	GRDA	Device - Jay Cap 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$800,000		ON SCHEDULE <4	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.
	50179	GRDA	Device - Chelsea 69 kV Cap	zonal - sponsored	10/15/09			\$586,000		ON SCHEDULE <4	Project delayed. Probable Fall 2009 completion
20009	50083	KCPL	Device - Craig Cap 161 kV	zonal reliability	10/01/10	06/01/08	02/13/08	\$1,316,500		DELAY - MITIGATION	keep transformers taps at 0.975 position
20092	50221	KCPL	Device - Craig 161 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$50,000		WITHDRAWN	Project has been withdrawn. Previous NTC number 20051
20078	50184	MIDW	Device - Kinsley Capacitor 115 kV	regional reliability	06/01/11	06/01/11	02/08/10	\$300,000		ON SCHEDULE <4	2009 STEP Revised Project from 10 MVAR at Kingsley to 5 MVAR at Kingsley and 5 MVAR a Pawnee
20078	50197	MIDW	Device-Pawnee 115 kV	regional reliability	06/01/11	06/01/11	02/08/10	\$300,000		ON SCHEDULE <4	2009 STEP Revised Project from 10 MVAR at Kingsley to 5 MVAR at Kingsley and 5 MVAR a Pawnee
20007	50067	MKEC	Device - Pratt Cap 115 kV	regional reliability	03/01/10	06/01/08	02/13/08	\$1,413,623		DELAY - MITIGATION	Construction has been started. Mitigation is to have City of Pratt generate to raise voltage.
20054	50068	MKEC	Device - Harper Cap 138 kV	regional reliability	06/01/10	10/01/09	09/18/09	\$2,321,854		DELAY - MITIGATION	on the Medicine Lodge 138/115 kV transformer, adjust generation at Fort Dodge, and request SPS to adjust the flow
20007	50096	MKEC	Device - Russell 115 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$1,500,000		ON SCHEDULE <4	Currently in engineering design and cost review. Request City of Russell to generate to raise voltage.
20007	50104	MKEC	Device - Plainville Cap 115 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,500,000		ON SCHEDULE <4	Engineering esign to begin in 4th quarter of 2010. Construction to begin first quarter of 2011.
20080	50207	NPPD	Device - Petersburg 115 kV	regional reliability	11/01/12	11/01/12	02/08/10	\$607,500		ON SCHEDULE <4	
20080	50208	NPPD	Device - Clarks 115 kV	regional reliability	11/01/12	11/01/12	02/08/10	\$729,000		ON SCHEDULE <4	The 18 Mvar cap at CLARKS 7 has been deferred for the TransCanada load at Central City North (640435) since that

20080	50209	NPPD	Device - Ainsworth 115 kV	regional reliability	11/01/12	11/01/12	02/08/10	\$50,000		ON SCHEDULE <4	MVAR due to capacitor switching issues and reduced load
20080	50210	NPPD	Device - Oneill 115 kV	regional reliability	11/01/12	11/01/12	02/08/10	\$729,000		ON SCHEDULE <4	
20080	50211	NPPD	Device - Valentine 115 kV	regional reliability	06/01/11	06/01/11	02/08/10	\$1,000,000		ON SCHEDULE <4	standardization and reduced load forecast.
20080	50213	NPPD	Device - Gordon 115 kV	regional reliability	06/01/12	06/01/13	02/08/10	\$1,000,000		ON SCHEDULE <4	
20080	50248	NPPD	Device - Kearney 115 kV	regional reliability	06/01/12	06/01/12	02/08/10	\$1,000,000		ON SCHEDULE <4	
	50148	OGE	Device - Madill Industal 138 kV	zonal - sponsored	03/01/11			\$264,000		ON SCHEDULE <4	Part of multi-upgrade project for new arc furnace near Arbuckle (See branch tab for more details and cost estimate)
20081	50252	OGE	Device - Cushing Oil 69 kV	regional reliability	05/14/10	06/01/10	02/08/10	\$260,000		COMPLETE	To be complete 5/14/2010
20081	50253	OGE	Device - Tiger Creek 69 kV	regional reliability	12/15/10	06/01/10	02/08/10	\$270,000		DELAY - MITIGATION	New load delayed - Thus project not required until February 2011
20058	50110	SEPC	Device - N Cimarron 115 kV	regional reliability	06/01/12	06/01/12	09/18/09	\$1,000,000		ON SCHEDULE <4	
20083	50246	SEPC	Device - Johnson Corner 115 kV Capacitor	regional reliability	06/01/11	06/01/10	02/08/10	\$1,000,000		DELAY - MITIGATION	Raise VAR output on local area generation to raise voltage. Request local COOP to turn off irrigation load until off peak
20083	50247	SEPC	Device - Johnson Corner 115 kV 2nd Capacitor	regional reliability	06/01/12	06/01/11	02/08/10	\$650,000		DELAY - MITIGATION	Raise VAR output on local area generation to raise voltage. Request local COOP to turn off irrigation load until off peak
20084	50217	SPS	Device - East Plant 115 kV	regional reliability	12/31/11	06/01/10	02/08/10	\$838,880		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	50257	SPS	Line - Harrington - Mid - Randall 230 kV Ckt 1	regional reliability	03/31/13	06/01/10	02/08/10	\$27,144		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20084	50259	SPS	Device - Kress Rural 69 kV	regional reliability	12/31/11	06/01/11	02/08/10	\$992,939		DELAY - MITIGATION	Mitigation plan has been provided to and accepted by SPP for this project
20003	50045	WFEC	Device - Esquandale Cap 69 kV	regional reliability	06/01/14	06/01/14	01/27/09	\$243,000		ON SCHEDULE >4	WFEC will move ahead line project Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can
19985	50047	WFEC	Device - Comanche	regional reliability	06/01/12	06/01/12	02/02/07	\$350,000		ON SCHEDULE <4	Shed load at Loco Substation (up to 3.5MW in 2007 Summer Peak) Shed load at Empire Substation (up to 5MW in 2007
20003	50050	WFEC	Device - Gypsum Cap 69 kV	regional reliability	06/01/11	04/01/08	02/13/08	\$150,000		DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	50085	WFEC	Device - Carter Cap 69 kV	regional reliability	06/01/12	06/01/10	02/13/08	\$324,000		DELAY - NO MITIGATION	WFEC has provided mitigation plans. SPP staff is in the process of verifying those plans
20003	50099	WFEC	Device - Latta Cap 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$324,000		ON SCHEDULE <4	
20030	50180	WFEC	Device Eagle Chief 69 kV Capacitor	regional reliability	06/01/10	06/01/09	01/27/09	\$300,000		DELAY - MITIGATION	Mitigation: Temporary Op Guide provided.
20085	50186	WFEC	Device - Electra 69 kV Capacitor	regional reliability	06/01/11	06/01/11	02/08/10	\$240,000		ON SCHEDULE <4	
20086	50062	WR	Device - TC Seneca 115 kV Capacitor	regional reliability	10/01/09	06/01/08	02/08/10	\$588,600		COMPLETE	
19986	50063	WR	Device - Nortonville 69 kV Cap	regional reliability	04/29/10	06/01/07	02/02/07	\$715,000		COMPLETE	
20033	50066	WR	Device - Sunset 69 kV Capacitor	zonal reliability	12/11/09	06/01/09	01/27/09	\$1,220,913		COMPLETE	
19986	50088	WR	Device - 3rd & VanBuren	regional reliability	04/08/10	06/01/11	02/02/07	\$500,000		COMPLETE	
20006	50102	WR	Device - Eudora Cap 115 kV	zonal reliability	06/01/12	06/01/12	02/13/08	\$580,000		ON SCHEDULE <4	
20006	50111	WR	Device - Springhill Cap 115 kV	zonal reliability	06/01/13	06/01/13	02/13/08	\$1,000,000		ON SCHEDULE <4	
20033	50134	WR	Device - Rock Creek 69 kV Capacitor	zonal reliability	06/01/12		1/27/2009	\$427,000		CANCELLED	Project is being re-evaluated due to load shifting between substations.
20033	50181	WR	Device - Walnut Street Capacitor	zonal reliability	12/01/09		1/27/2009	\$675,000		COMPLETE	Current plan is to place in service first quarter of 2010.
20059	50229	WR	Device - Allen 69 kV Capacitor	transmission service	06/01/12	06/01/12	09/18/09	\$607,500		ON SCHEDULE <4	
20059	50230	WR	Device - Altoona East 69 kV Capacitor	transmission service	06/01/14	06/01/14	09/18/09	\$607,500		ON SCHEDULE >4	
20059	50231	WR	Device - Athens 69 kV Capacitor	transmission service	06/01/13	06/01/13	09/18/09	\$607,500		ON SCHEDULE <4	
20059	50243	WR	Device - Timber Jct 138 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$1,215,000		ON SCHEDULE <4	15 Mvar on 138 kV and 15 Mvar on 69 kV
20059	50244	WR	Device - Tioga 69 kV Capacitor	transmission service	06/01/11	06/01/11	09/18/09	\$607,500		ON SCHEDULE <4	
20068	50284	WR	Device - Dearing 138 kV Capacitor	regional reliability	06/01/12	06/01/12	01/13/10	\$1,215,000		ON SCHEDULE <4	