



Southwest Power Pool, Inc.
2009, 3RD QUARTER
PROJECT TRACKING REPORT



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July 2009

PROJECT TRACKING, Current SPP Process:

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

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

Results:

Project Summary:

There are 451 projects with an approximate engineering and construction cost of \$3.2 billion currently being tracked. There has been a category added for Balanced Portfolio projects for which Notifications to Construct (NTCs) have been recently issued, with a total estimated cost of \$700 million.

3rd Quarter 2009 Project Tracking Summary		
Upgrade Type	Number of Upgrades	Cost Estimate
Regional Reliability	264	\$1,178,086,228
Regional Reliability - Non OATT	12	\$70,825,000
Zonal Reliability	9	\$13,472,843
Transmission Service	55	\$427,168,763
Generation Interconnect	12	\$92,727,000
Balanced Portfolio	18	\$700,168,500
Other Sponsored Upgrades	81	\$747,888,095
TOTALS	451	\$3,230,336,429

Figure 1: 2009 3rd Quarter Project Summary

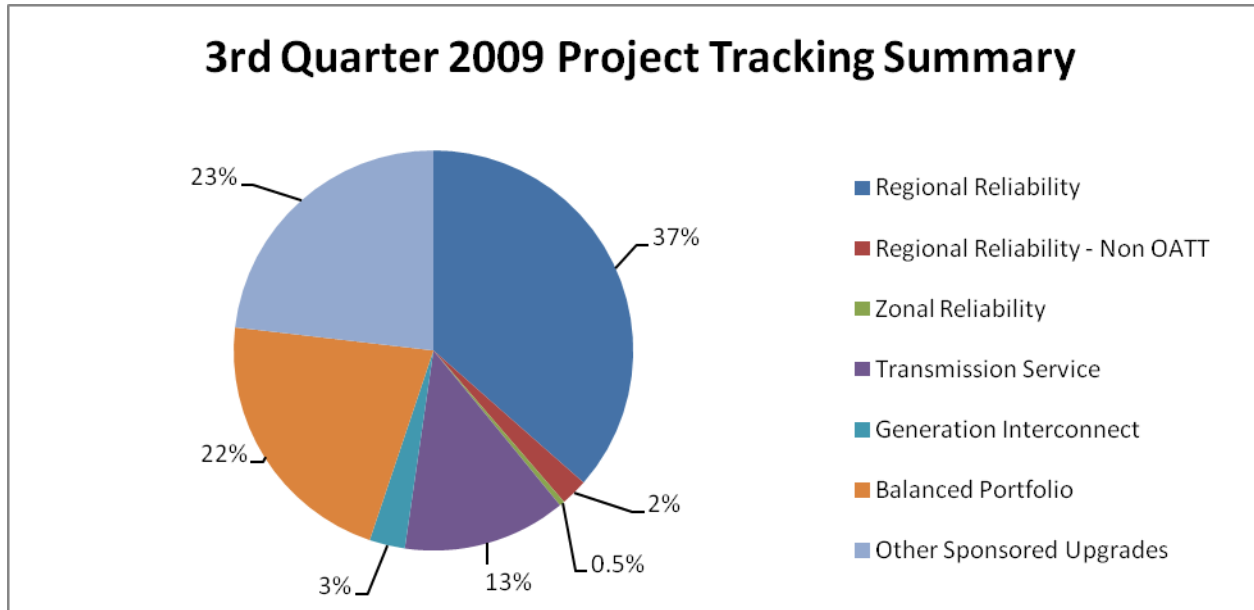


Figure 2: Breakdown of Project Categories on Cost Basis

Regional Reliability Project Summary:

Regional reliability projects include all tariff signatory projects identified in an SPP study to meet regional reliability criteria for which NTCs have been issued. There are 264 regional reliability upgrades with an approximate engineering and construction cost of \$1.2 billion.

There were thirty-four upgrades, with latest Engineering and Construction (E&C) cost estimates at \$115 million, completed in the second quarter of 2009. There are ninety upgrades, with latest E&C cost estimates at \$381 million on schedule. Transmission owners have provided mitigation plans for ninety-nine upgrades with current E&C estimates of \$409 million. There are two upgrades which have been delayed beyond the Regional Transmission Organization (RTO) determined need date without having an interim mitigation plan.

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

This category contains projects identified as needed to support new Transmission Service (TSR) and Generation Interconnection (GI) service agreements. There are sixty-seven TSR/GI upgrades with an E&C cost of \$520 million.



There were seven upgrades with latest estimates at \$12 million completed in this category during the second quarter of 2009. There are fifty-five upgrades estimated at \$490 million on schedule. Transmission owners have provided mitigation plan for two projects valued at \$5.5 million. No upgrade has been delayed beyond the RTO determined need date without having an interim mitigation plan.

3rd Quarter 2009 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	264	41	90	32	99	2
	\$1,178,086,228	\$140,278,157	\$384,147,194	\$235,984,254	\$408,661,623	\$9,015,000
Transmission Service	55	8	43	2	2	0
	\$427,168,763	\$12,966,800	\$397,560,296	\$11,100,000	\$5,541,667	\$0
Generation Interconnect	12	0	12	0	0	0
	\$92,727,000	\$0	\$92,727,000	\$0	\$0	\$0

Figure 2: Project Status

Conclusions:

The 3rd Quarter Project Tracking saw completion of 41 upgrades worth an estimated \$126 million.

There are two regional reliability upgrades and two zonal reliability upgrades for Westar Energy Inc. delayed beyond the RTO Determined need date which did not have SPP Staff approved mitigation plans. SPP will continue to work with Westar in determining necessary mitigations to these reliability issues.

SPP 3rd Quarter 2009 Project Tracking List - Branch Xfr

Blue	Complete.
Green	On Schedule 4 Year Horizon.
Yellow	On Schedule beyond 4 Year Horizon.
Light Yellow	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
Yellow	Behind schedule, require re-evaluation due to anticipated load forecast changes.
Red	Delayed beyond the RTO Determined need date and no mitigation plan provided
3 months	Project lead time and cost estimated by SPP staff

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

NTC_ID	PID	UID	Area	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Current Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
Year 2008													
19984	104	10128	515	Line - Springfield - Brookline 161 kV	transmission service	06/01/08	06/01/08		\$300,000				Prior to BPF tariff
19999	115	10145	520	Line - Northwest Texarkana - Alumax Tap	regional reliability	03/04/08	06/01/07	02/01/07	\$2,160,000				
19957	114	10144	520	Line - Northwest Texarkana-Bann T - Bann 138kV	transmission service	03/26/08	06/01/08	01/02/07	\$25,000				
19957	116	10146	520	Line - Alumax Tap - Bann	transmission service	03/26/08	06/01/09	01/02/07	\$1,180,000				86% BPF
20000	110	10137	520	XFR - Pryor Junction 138/69 kV	regional reliability	04/25/08	06/01/08	02/13/08	\$1,829,100				
19997	120	10150	520	Line - Linwood to McWillie Street Rebuild	regional reliability	04/30/08	06/01/08	03/09/06	\$1,100,000				
19999	109	10133	520	Multi - Fayetteville 69 kV conversion	regional reliability	05/08/08	06/01/08	02/02/07	\$21,000,000				
19999	109	10134	520		regional reliability	05/08/08	06/01/08	02/02/07					
19999	109	10135	520		regional reliability	05/08/08	06/01/08	02/02/07					
19999	109	10136	520		regional reliability	05/08/08	06/01/08	02/02/07					
19998	117	10147	520	Line - Chamber Springs - Tontitown 345 kV	regional reliability	05/15/08	06/01/07	02/14/07	\$14,405,000				
20000	107	10132	520	Line - E Rogers - Avoca 161 kV	regional reliability	05/20/08	06/01/08	02/13/08	\$720,000				Switchable Series Reactor
19958	119	10149	520	Line - Cache - Snyder 138kV	transmission service	05/21/08	06/01/08	10/11/06	\$85,000				Only 86.3% of costs BPF as rest covered by PTP base rate
20000	106	10130	520	Line - Snyder - Altus Junction 138 kV	regional reliability	05/21/08	06/01/13	02/13/08	\$16,760,000				
20000	227	10291	520	Line - Breaker Daingerfield - Jenkins REC 69 kV	regional reliability	12/12/08	06/01/09	02/13/08	\$250,000		12 months		
20001	121	10151	523	Line - 412 Sub - Kansas Tap 161 kV	regional reliability	06/08/08	06/01/10	02/13/08	\$2,971,180				
20002	131	10165	524	Line - Canadian - Cedar Lane 138 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$12,637	\$31,127			
20002	124	10157	524	Line - Fort Smith - Colony 161 kV	regional reliability	11/01/08	06/01/09	02/13/08	\$133,000	\$86,875			Replace 1200A terminal Equipment at Ft. Smith & Colony
19995-1	127	10160	524	Line - Westmoore - Pennsylvania 138 kV	zonal reliability	12/30/08	10/01/07	03/07/07	\$250,000	\$170,751			
19985	72	10090	525	Line - Elmore - Wallville 69 kV	regional reliability	03/31/08	06/01/12	02/02/07	\$1,488,000		16 months		Project Under Construction, will be completed early 2008
19951	141	10180	525	XFR - Ft Supply 70 MVA	transmission service	06/01/08	06/01/08	01/02/07	\$2,000,000		18 months		48% BPF
20003	244	10312	525	XFR - Paoli 138 kV/69 kV Transformer	regional reliability	06/01/08	06/01/09	02/13/08	\$1,500,000		12 months		
20003	312	10404	525	Line - Alva - Cherokee SW 69 kV	regional reliability	06/01/08	06/01/10	02/13/08	\$150,000		6 months		
19985	134	10168	525	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07	\$12,000,000		12 months		Complete
19985	134	10169	525	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months		Complete
19985	134	10170	525	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months		Complete
19985	134	10171	525	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months		Complete
19985	134	10172	525	Multi - Erick - Morewood SW conversion	regional reliability	10/01/08	06/01/08	02/02/07			12 months		Complete
20003	139	10177	525	Multi - Kingfisher 69 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$4,050,000		10 months		Complete
20003	139	10178	525	Multi - Kingfisher 69 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$3,540,000		10 months		Complete
19987	76	10096	526	XFR - Terry Co 115/69 kV	regional reliability	11/01/07	06/01/07	02/02/07	\$2,375,000	\$2,145,926			Both transformer upgrades are complete and in-service
19987	76	10097	526		regional reliability	10/24/08	06/01/07	02/02/07			18 months	Both transformer upgrades are complete and in-service	
19986	84	10107	536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	regional reliability	08/04/08	06/01/07	02/02/07	\$1,617,177	\$1,553,395			Mitigation not required if Project completed before 08 Summer Peak. LOA received by Westar 2 February 2007 with required date 1 June 2007. Project Delayed due to ice storm.
19986	84	10108	536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	regional reliability	08/04/08	06/01/07	02/02/07					
20006	167	10216	536	Line - Gill Energy Center East - Gill Energy Center Jct 69 kV Rebuild	regional reliability	12/20/08	06/01/08	02/13/08	\$1,589,322	\$1,987,109	18 months		

19986	174	10223	536	Line - Murry Gill Energy Center - MacArthur 69 kV	regional reliability	06/01/08	06/01/08	02/02/07	\$150,000		8 months		
20006	175	10224	536	Line - McDowell Creek - Fort Junction 115 kV	regional reliability	12/15/08	10/01/08	02/13/08	\$6,350,667	\$6,409,525	10 months		
20006	175	10225	536	Line - McDowell Creek - Fort Junction 115 kV	regional reliability	12/15/08	10/01/08	02/13/08			10 months		
19986	176	10226	536	Line - Dearing - Coffeyville 69 kV Rebuild	regional reliability	12/08/08	06/01/08	02/02/07	\$1,226,705	\$778,658	7 months		
19986	176	10227	536	Line - Coffeyville - CRA 69 kV Rebuild	regional reliability	12/08/08	06/01/08	02/02/07			7 months		
19986	181	10230	536	XFR - County Line 115/69 kV Replacement	regional reliability	10/30/08	06/01/07	02/02/07	\$2,860,000		14 months		
19986	185	10234	536	Multi - Hutchinson 115 kV conversion	zonal reliability	12/01/08	12/31/08	02/02/07	\$6,711,881		20 months		Completed per Westar sub regional presentation October 2008
19966	253	10333	536	Line - Jarbalo - 166th Street 115 kV	transmission service	09/18/08	06/01/09	05/29/07	\$7,943,430	\$3,339,680	18 months		
19965	253	10334	536	Line - 166th - Jaggard Junction 115 kV Rebuild	transmission service	08/31/09	06/01/09	05/29/07	\$2,373,030		18 months		5639248; Interim mitigation is implementation of Transmission Operating Directive 800
19965	253	10335	536	Line - Jaggard Junction - Pentagon 115 kV Rebuild	transmission service	12/15/09	06/01/09	05/29/07	\$3,168,637		18 months		Interim mitigation is implementation of Transmission Operating Directive 800
20009	197	10252	541	XFR - West Gardner 345/161 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$5,000,000	\$4,574,216	6 months		Complete
20009	198	10253	541	Line - Antioch - Oxford 161 kV	regional reliability	12/31/08	06/01/08	02/13/08	\$2,500,000				Project complete; costs not finalized
20010	207	10263	544	Line - Sub 145 - Joplin West 7th - Sub 341 - Joplin NorthWest 69 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$780,000		12 months		
19992	208	10264	544	Line - SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 1	regional reliability	06/01/08	06/01/08	02/02/07	\$20,000		6 months		
	605	10774	640	Multi - North Platt 230/115 kV Transformers	regional reliability	04/01/07	06/01/09		\$5,801,175				
	605	10775	640	Multi - North Platt 230/115 kV Transformers	regional reliability	06/01/10	06/01/09						Mitigation Plan involves local area re-dispatch to relieve post contingent overloads. GGS generation is reduced while generation at N.Platte, Jeffrey, Johnson and Canaday is increased.
	606	10776	640	Multi - ETR Project	regional reliability	06/01/08	06/01/10		\$170,330,000				
	606	10777	640	Multi - ETR Project	regional reliability	01/01/10	06/01/10						
20007	164	10213	534	Line - WEPL Cimarron Plant - North Cimarron 115 kV	regional reliability	10/01/09	06/01/08	02/13/08	\$1,350,000				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.
Year 2009													
	101	10125	515	XFR - Eufaula 161/138 kV	regional reliability - non OATT	10/01/10	04/01/09		\$3,000,000				
20012	112	10139	520	Line - Sayre - Erick	regional reliability	02/06/09	06/01/09	07/28/08	\$10,400,000		24 months		
20016	30151	50159	520	LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	transmission service	04/30/09	06/01/09	01/16/09	\$125,000		15 months		Completed 04/30/09
20000	217	10276	520	Line - Tap N. Huntington - Waldron 69 kV	regional reliability	10/20/09	06/01/08	02/13/08	\$776,000		15 months		Mitigation Plan: North Huntington - Midland Relief Procedure
20000	218	10277	520	Line - Huntington - N Huntington 69 kV	regional reliability	10/20/09	06/01/09	02/13/08	\$20,000		9 months		Need for this project is dependant upon completion of N. Huntington - Waldron (PID 217). This project is still on schedule for completion before N. Huntington - Waldron.
20000	219	10278	520	Line - Excelsior - Excelsior Tap 161 kV	regional reliability	06/30/09	06/01/09	02/13/08	\$4,000,000		24 months		Reeves Road station will be built under the existing North Huntington - Bonanza 161kV line. This project will replace the Excelsior Tap project.
19954	220	10279	520	Line - Riverside Station - Explorer Glenpool 138 kV Ckt 1	transmission service	03/23/09	06/01/09	07/21/06	\$1,000,000		24 months		3.3% BPF. Remainder of RR paid by PTP base rate
20000	221	10280	520	Line - Hope - Fulton 115 kV	regional reliability	03/31/09	06/01/09	02/13/08	\$100,000		15 months		Completed on 03/31/09
20027	222	10281	520	Line - Bonanza - Bonanza Tap 161 kV	regional reliability	11/30/09	06/01/10	01/27/09	\$594,000		15 months		
19956	224	10283	520	XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV	transmission service	04/03/09	06/01/10	06/27/07	\$6,873,000		30 months		Completed on 04/03/09
19956	224	10284	520	XFR - Southwest Shreveport Transformer Ckt 2 345/161 kV	transmission service	04/03/09	06/01/10	06/27/07			30 months		Completed on 04/03/09
20000	225	10286	520	Line - North Magazine - Magazine REC - Danville 161 kV	regional reliability	06/17/09	06/01/09	02/13/08	\$13,705,000		24 months		
20000	225	10289	520	Line - North Magazine - Magazine REC - Danville 161 kV	regional reliability	06/17/09	06/01/09	02/13/08	\$6,090,000		24 months		
20000	113	10745	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$2,580,000		24 months		Could not locate NTC. Perhaps SPP added bids to capture new branches created due to new busses added to branch that had a previous NTC ??? SPP please confirm. SPP Comments: These projects didn't get an NTC but the project was modified and covered by SPP and AEP in the 2008 STEP process
20000	113	10746	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$4,460,000		24 months		Could not locate NTC. Perhaps SPP added bids to capture new branches created due to new busses added to branch that had a previous NTC ??? SPP please confirm. SPP Comments: These projects didn't get an NTC but the project was modified and covered by SPP and AEP in the 2008 STEP process
20000	229	10292	520	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/11	02/13/08			24 months		Completed on 05/19/09
20000	229	10293	520	Multi - Flint Creek - E Centerton 161 kV	regional reliability	05/19/09	06/01/13	02/13/08	\$14,200,000		24 months		Completed on 05/19/09
20000	229	10294	520	Multi - Flint Creek - E Centerton 161 kV	regional reliability	06/01/10	06/01/13	02/13/08			24 months		
20000	230	10295	520	Line - Broken Bow - Craig Junction 138 kV	regional reliability	05/08/09	06/01/08	02/13/08	\$6,602,000		18 months		
20005	177	10728	520	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	11/30/09	06/01/12	02/20/08	\$2,887,800		12 months		Add to pick up AEP breaker work
20005	177	10729	520	Line - Atoka 138 kV Three Breaker Ring Bus & Relay Work at Tupelo	regional reliability	11/30/09	06/01/12	02/20/08	\$442,800		12 months		Added to pick up AEP relay work
	695	10911	520	Line - Canadian Pump Station line tap	sponsored	03/20/09					10 months		Completed 03/20/09
	695	10912	520	Line - Canadian Pump Station line tap	sponsored	03/20/09			\$1,616,000		10 months		Completed 03/20/09
			520	Line - Bransdall Pump Station Tap	sponsored	12/31/09					15 months		New Planned Project by AEP Too late to put in 2008 STEP
			520	Line - Bransdall Pump Station Tap	sponsored	12/31/09			\$4,450,000		15 months		New Planned Project by AEP Too late to put in 2008 STEP

20028	233	10298	523	XFR - Claremore 161/69 kV autos 1 and 2	regional reliability	06/01/09	06/01/09	01/27/09	\$7,200,000		24 months	It has been identified that the CBs in this station need to be converted from oil to gas to meet environmental requirements. 11 CBs will need to be replaced.	
19996	52	10070	524	Line - Stillwater - McElroy 138 kV	regional reliability	02/27/09	05/31/08	02/01/07	\$1,758,527	\$2,067,530	18 months	COMPLETE	
20029	583	10749	524	Multi VBI-Adabell 161 kV	regional reliability	03/31/12	06/01/12	01/27/09	\$200,000		12 months	Project delayed - NTC date will be honored	
19960	234	10299	524	Line - Explorer Glenpool - Beeline 138 kV Ckt 1	transmission service	06/01/09	06/01/09	07/21/06	\$200,000	\$310,000		3.3% BPF. Remainder of RR paid by PTP base rate - COMPLETE	
20002	236	10301	524	Line - Alva - Knobhill 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$35,000	\$26,000	6 months	COMPLETE	
19960	237	10302	524	Line - Explorer Glenpool - Riverside Station 138 kV Ckt 1	transmission service	06/01/09	06/01/09	07/21/06	\$400,000	\$660,000		3.3% BPF. Remainder of RR paid by PTP base rate - COMPLETE	
20029	584	10751	524	Line-Cleo Corner-Cleo Jct 69 kV	regional reliability	12/01/09	12/01/09	01/27/09	\$250,000		6 months		
	126	10159	524	Line - Maud - Seminole 138kV	sponsored	05/01/09			\$326,346	\$240,000		An SPP Flowgate. Project will be complete 5/1/2009. COMPLETE	
	67	10085	524	Line - Igo - Razorback 69 kV	sponsored	06/30/09			\$5,939,246			COMPLETE as of 6/25/09 All charges have not yet been credited to project.	
	123	10153	524	Multi - Earlywine	sponsored	06/01/09			\$12,900,000	\$9,500,000		TO Zonal/local upgrade. Not for SPP reliability. COMPLETE	
	123	10154	524	Multi - Earlywine	sponsored	06/01/09							TO Zonal/local upgrade. Not for SPP reliability. COMPLETE
	123	10155	524	Multi - Earlywine	sponsored	06/01/09							TO Zonal/local upgrade. Not for SPP reliability. COMPLETE
	123	10156	524	Multi - Earlywine	sponsored	06/01/09							TO Zonal/local upgrade. Not for SPP reliability. COMPLETE
	582	10747	524	Multi - Arcadia Tap	sponsored	06/01/11							
	582	10748	524	Multi - Arcadia Tap	sponsored	06/01/11			\$1,200,000			Project delayed due to lower load growth	
	56	10074	524	Line - Chitwood - Garber 138 kV	sponsored	12/31/09			\$5,920,226			Presently under construction.	
	304	10731	524	Multi - Johnson County Project	sponsored	06/01/11			\$32,975,000			Multi-upgrade project for new arc furnace near Arbuckle (on upgrade in device tab - Cap bank at Madill)	
	304	10732	524	Multi - Johnson County Project	sponsored	06/01/11							
	304	10733	524	Multi - Johnson County Project	sponsored	06/01/11							
	304	10734	524	Multi - Johnson County Project	sponsored	06/01/11							
	304	10735	524	Multi - Johnson County Project	sponsored	06/01/11							
	304	10736	524	Multi - Johnson County Project	sponsored	12/01/10							
	304	10737	524	Multi - Johnson County Project	sponsored	06/01/10							
20030	585	10752	525	Line-Buffalo-FT Supply CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months		
20003	142	10181	525	Line - Little Axe - Noble 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$2,640,000		16 months		
20003	132	10166	525	Line - Anadarko - Cyril 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$3,120,000		16 months		
19985	140	10179	525	Line - ACME - W Norman 69 kV	regional reliability	06/01/10	06/01/08	02/02/07	\$912,000		8 months	Mitigation Plan under review by SPP. Deferred in latest SPP Transmission Expansion Plan.	
20003	138	10176	525	Line - OGE Woodward - WFEC Woodward 69 kV	regional reliability	06/01/09	04/01/09	02/13/08	\$1,050,000		10 months	Mitigation: Temporary Op Guide provided.	
20003	238	10303	525	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	06/01/09	06/01/12	02/13/08	\$8,265,000		12 months	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	238	10304	525	Line - Atoka - WFEC Tupelo - Lane 138 kV	regional reliability	06/01/09	06/01/12	02/13/08				12 months	
20030	586	10753	525	Line-Burlington-Cherokee SW 69 kV CT	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months		
20003	240	10306	525	Line - Cyril to Medicine Park Jct 69 kV	regional reliability	06/01/09	06/01/09	02/13/08	\$750,000		16 months		
20003	241	10307	525	Line - Anadarko - Georgia Tap 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$1,124,000		12 months	Mitigation: Temporary Op Guide provided.	
20003	242	10308	525	Line - Elmore - Paoli 69 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$3,240,000		12 months	Mitigation: Temporary Op Guide provided.	
20003	243	10309	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$2,753,800		16 months	Mitigation: Temporary Op Guide provided.	
20003	243	10310	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$2,250,000		16 months	Mitigation: Temporary Op Guide provided.	
20003	243	10311	525	Multi - OU SW - Goldsby - Canadian SW 138 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$5,000,000		16 months	Mitigation: Temporary Op Guide provided.	
20003	403	10525	525	XFR - Comanche 138/69 kV Transformer	regional reliability	06/01/09	06/01/12	02/13/08	\$210,000		24 months		
20030	587	10754	525	Line - IODINE - MOORELAND 138KV CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		8 months		
20030	588	10755	525	Line - MOORELAND - MOREWOOD SW 138KV CKT 1	regional reliability	04/01/09	04/01/09	01/27/09	\$150,000		6 months	Update 10/9/08: Moorland to Moorewood CT good for 600A, 143MVA	
20003	356	10466	525	Line - Medicine Park Jct - Fletcher 69 kV	regional reliability	06/01/09	06/01/11	02/13/08	\$1,230,000		16 months		
20003	361	10471	525	Line - Fletcher - Marlow Jct 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$2,000,000		16 months		
20030	589	10756	525	Line-Grandfield-Hollister 69 kV	regional reliability	06/01/09	06/01/09	01/27/09	\$150,000		8 months		
20004	159	10206	526	Line - Plant X Station - Tok Station West 230 kV	regional reliability	12/31/09	04/01/09	02/13/08	\$56,000		6 months	Only mitigation would depend on manual switching so this project needs to be done instead.	
20004	246	10314	526	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	regional reliability	12/31/09	06/01/09	02/13/08	\$5,000		6 months	SPP STEP study results indicate this terminal upgrade is needed before the 2017 summer peak without any overload occurrences in any of the models before then.	
20004	246	10315	526	Multi - Nichols - Whitaker Sub 115kV; Nichols - Cherry 115 kV	regional reliability	12/31/09	06/01/09	02/13/08				6 months	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.
19987	162	10210	526	XFR - Lubbock East 115/69 kV	regional reliability	11/20/09	06/01/07	02/02/07	\$1,300,000		18 months	Mitigation Plan verified by SPP staff. Transformer delivery from manufacturer has been later than expected. Cannot take the necessary outages until fall/winter 2009.	
19987	162	10211	526	XFR - Lubbock East 115/69 kV	regional reliability	12/18/09	06/01/07	02/02/07	\$1,300,000		18 months	Cannot take necessary outages until fall/winter 2009	

20031	590	10757	526	Line - Ocotillo sub conversion 115 kV	regional reliability	06/01/11	06/01/09	01/27/09	\$1,222,843		24 months	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 necessary.	
20004	249	10320	526	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08	\$15,891,640		30 months	Project in-service as of 6/12/2009	
20004	249	10321	526	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			30 months	Project in-service as of 6/12/2009	
20004	249	10322	526	Multi - Seven Rivers - Pecos - Potash 230 kV	regional reliability	06/12/09	06/01/09	02/13/08			30 months	Project in-service as of 6/12/2009	
19987	250	10323	526	XFR - Cochran 115/69 kV	regional reliability	12/31/09	06/01/08	02/02/07		\$2,750,000		18 months	Mitigation Plan verified by SPP staff. Outage restrictions until winter 2009
19987	250	10324	526		regional reliability	12/31/09	06/01/08	02/02/07			18 months		
20004	146	10185	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	04/01/11	06/01/08	02/13/08	\$8,762,733		36 months	Project is not behind schedule: Loads have been swapped as part of the interim mitigation. This delays the need for the project until 6/1/2012.	
20004	146	10187	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	07/03/09	06/01/08	02/13/08	\$7,715,262		24 months	Project is not behind schedule: Loads have been swapped as part of the interim mitigation. This delays the need for the project until 6/1/2012. First 230/115 kV - 150 MVA is in place and expected to be in-service by 7/3/2009.	
20004	146	10188	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	12/31/09	06/01/08	02/13/08			24 months	Project is not behind schedule: Loads have been swapped as part of the interim mitigation. 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	146	10189	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	08/14/09	06/01/08	02/13/08		\$3,891,288		24 months	Project is not behind schedule: Loads have been swapped as part of the interim mitigation. This delays the need for the project until 6/1/2012. Gaines to Seminole 115 kV.
20004	146	10190	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	07/17/09	06/01/08	02/13/08				24 months	Project is not behind schedule: Loads have been swapped as part of the interim mitigation. This delays the need for the project until 6/1/2012. Hess to Seminole 115 kV
20004	146	10186	526	Multi - Seminole - Hobbs Project 230 kV	regional reliability	06/01/15	06/01/08	02/13/08	\$8,920,699		48 months	230 kv from Hobbs to Seminole is currently in suspension due to the lack of need. Customer load has been greatly lowered, reducing need for line. Project will be accelerated, if load projections show need.	
20031	252	10332	526	XFR - Yoakum County Interchange 230/115 kV	regional reliability	11/20/09	06/01/09	01/27/09	\$802,084		24 months	The project was modified to only add a 2nd 230/115 kV transformer to avoid future overloads. Completion is by 12/01/2009. Interim SPS mitigation was verified by SPP staff.	
20004	155	10199	526	XFR - Nichols 230/115 kV	regional reliability	10/01/09	06/01/11	02/13/08	\$6,000,000		24 months	First transformer is replaced and in-service. The second transformer will not be replaced and in-service until Fall.	
19987	157	10202	526	XFR - Hale Co 115/69 kV	regional reliability	12/04/09	06/01/07	02/02/07	\$2,900,000		18 months	Mitigation Plan verified by SPP staff. Per project tracking info in this project list, these projects should be complete by 3/13/09.	
19987	157	10203	526		regional reliability	12/31/09	06/01/07	02/02/07			18 months		
	591	10758	526	Line Roz3 - Amerada Hess Co2 115 kV	sponsored	08/03/09							
	592	10759	526	Line - Roz3 - Seminole 115 kV	sponsored	08/03/09							
	593	10760	526	Line - Denver City - seminole 115 kV	sponsored	08/03/09							
	594	10761	526	Line - Seminole - Doss Interchange 115 kV	sponsored	08/03/09							
	595	10762	527	Line - Ompvet - Ompark - 4 138 kV	sponsored	07/15/09			\$1,946,000			delayed due to lack of TELCO service	
	596	10763	527	Line - Ompvet - OmAltus - 4 138 kV	sponsored	06/05/09			\$1,094,000			Complete	
	597	10764	527	Line - Altus Junction Ompark - 4 138 kV	sponsored	06/26/09			\$1,174,552			delayed due to lack of TELCO service	
	598	10765	527	Line-Tamarack Tap-OmAltus-4 138 kV	sponsored	07/31/09			\$586,250			delayed due to lack of TELCO service	
20007	166	10215	534	Line - Holcomb - Plymell 115 kV	regional reliability	12/31/09	06/01/08	02/13/08	\$3,650,000		18 months	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.	
20014	367	10480	534	Line - Plymell - Pioneer Tap 115 kV	regional reliability	12/31/09	06/01/09	09/18/08	\$3,200,000		24 months	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.	
	165	10214	534	Line - Phillipsburg - Rhoades 115 kV Ckt 1	sponsored	12/31/09			\$10,500,000			Construction is in progress.	
20006	265	10348	536	XFR - Stranger Creek 345/115 #2 Addition	regional reliability	09/01/09	06/01/09	02/13/08	\$8,300,000		24 months	Transformer will be in service prior to summer peak load conditions.	
20033	266	10349	536	Line - Circle - HEC GT 115 kV Rebuild	regional reliability	06/01/11	06/01/11	01/27/09	\$710,000		18 months	Interim mitigation is redpatch of HEC GT units.	
19986	180	10229	536	Line - Stranger Creek - Thornton Street 115 kV Addition	regional reliability	12/01/09	06/01/07	02/02/07	\$9,675,000		12 months	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.	
20006	179	10228	536	Line - Summit - NE Saline 115 kV	regional reliability	12/01/09	06/01/09	02/13/08	\$6,819,380		18 months	Build Summit-Southgate 115 kV; Remove Northview-Southgate 115 kV; Work will be performed when extensive crews are available. Do not start until 2/1/10. Do not start until 2/1/10.	
20006	323	10419	536	Line - West McPherson - Wheatland 115 kV	regional reliability	03/01/09	06/01/10	02/13/08	\$3,949,405		12 months	Terminal upgrades at Wheatland complete	
20006	260	10343	536	Line - Reno - Circle 115 kV Ckt 1	regional reliability	03/01/09	06/01/09	02/13/08	\$4,056,582		18 months	Rebuild will be done as part of Wichita - Reno County 345 kV; Reviewing the connections of the Reno County - Circle 115 kV lines	
20006	170	10219	536	Line - Fort Junction - Anzlo 115 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$3,639,327		6 months	Increase generation at McPherson and Hutchinson to relieve overloading Transmission Operating Directive 1217	

	262	10345	536	Line - Reno County-Summit 345 kv ckt 1	sponsored	06/01/10				\$100,618,016		24 months		Project costs include rebuilding of 115 kV and 230 kV underlying system on same ROW
	262	10346	536	XFR - Reno County 345/115 kV #2	sponsored	10/01/09						24 months		
20034	650	10854	540	Multi - South Harper 161 kV cut-in to Stilwell-Archie Junction 161 kV line	regional reliability	06/01/11	06/01/09	01/27/09		\$2,259,673		18 months		mitigation plan is to reduce South Harper generation to eliminate contingent overloads
20034	601	10768	540	Multi - Grandview East - Sampson - Longview 161kV lines	regional reliability	06/01/10	06/01/09	01/27/09		\$50,000		6 months		Grandview East waveltraps upgrades completed; mitigation plan is to increase Greenwood generation to eliminate contingent overloads
20034	602	10771	540	Line - Glenare - Liberty 69 kV	regional reliability	10/01/09	06/01/09	01/27/09		\$80,000		6 months		Only mitigation to eliminate criteria violation is to shed load. Plan to complete the project by the required in-service-date. No mitigation plan is needed by then.
	195	10249	540	Line - Pope Lane to Smithville 161kV	sponsored	01/01/09				\$4,550,000		12-18 months		Complete; costs not finalized
	275	10359	540	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	12/31/09				\$7,127,000		12-18 months		Project under construction
	275	10360	540	Multi - 161kV Tap of Platte City to Stranger Creek	generation interconnect	12/31/09						12-18 months		Project under construction
19967	280	10364	541	Line - College - Craig 161 kV	transmission service	11/01/09	06/01/11	05/31/07		\$1,193,400		24 months		Actually originally assigned to EDE (tan TSR needed 6/1/16 but displaced to 6/1/11 for 2 SPSM PTP request resold to KCPL, not BPF; reconductor complete, terminal equipment upgrades delayed till fall
	199	10254	541	Multi - Lackman Sub	sponsored	05/29/09				\$138,200		6 months		Major construction work is complete; waiting on phone line for SCADA
	199	10255	541	Multi - Lackman Sub	sponsored	05/29/09								Major construction work is complete; waiting on phone line for SCADA
	200	10256	541	Line - Terrace - Westside 161 kV	sponsored	09/30/10				\$4,352,600		10 months		Project delayed by easement issues; estimate 4th quarter 2010 completion
	201	10257	541	Line - Crosstown - Midtown 161 kV	sponsored	03/30/10				\$4,750,000				Project delayed by easement issues; estimate 1st quarter 2010 completion
	279	10363	541	Line - Craig - Lenexa 161 kV	sponsored	06/01/10				\$192,000		6 months		
20036	440	10571	544	Line - Diamond Jct - Sarcoxie SW 69 kV	regional reliability		06/01/09	01/27/09		\$2,274,000		18 months		Line segment uprated (New Sumner Rate A/B: 32/41 MVA) due to special case study on limiting element in question. New need date identified as Summer 2013.
19992	209	10265	544		regional reliability	12/01/09	06/01/10	02/02/07				30 months		
19992	209	10266	544		regional reliability	12/01/09	06/01/10	02/02/07						
19992	209	10267	544	Multi - Riverdale - Ozarks 161 kV Ckt 1	regional reliability	12/01/09	06/01/10	02/02/07		\$14,057,000				Project completion delayed due to construction delays. New in-service date of 12/1/2009.
19992	209	10268	544		regional reliability	12/01/09	06/01/10	02/02/07						
20010	282	10366	544	Line - Sub 389-Joplin Southwest - Sub 422-Joplin 24th & Connecticut 161 kV	regional reliability	06/01/09	06/01/09	02/13/08		\$5,000		6 months		
	603	10772	640	Line - NPPD / WERE - Steele City - Kansas Border 115 kV	regional reliability	06/01/10	06/01/09			\$2,200,000		48 months		Coordinated with WERE on Knob Hill - State Line
	604	10773	640	Grand Island 345/230 kV Transformer	regional reliability	07/01/09	07/01/09			\$6,950,971				JH - Need date changed to come in line with previous Nebraska planning.
	607	10778	640	Bloomfield Wind Generation Interconnection, Delivery & Facilities	regional reliability	03/01/09	03/01/09			\$5,500,000				Complete - In-Service
	608	10779	645	Build New 161 kV Substation Sub 1305	regional reliability	05/22/09	12/01/09							Change Project Name to "Build New 161 KV Substation Sub 1305"
	608	10919	645	Line - Sub 1251 - Sub 1305 161 kV	regional reliability	05/22/09	12/01/09							
	608	10920	645	Line - Sub 1298 - Sub 1305 161 kV	regional reliability	05/22/09	12/01/09			\$21,600,000				
	608	10921	645	Line - Sub 1251 - Sub 1298 161 kV	regional reliability	05/22/09	12/01/09							
	608	10922	645	Line - Sub 1226 - Sub 1298 161 kV	regional reliability	05/22/09	12/01/09							
			645	Line - Rebuild Sub 1209 - Sub 1252 161 kV	sponsored	12/31/09				\$4,500,000				The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria.
Year 2010														
	283	10367	330	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	06/01/10								
	283	10368	330	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11								
	283	10369	330	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11				\$57,000,000				
	283	10916	330	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11								
	283	10781	330	Multi - Blackberry - Chouteau - GRDA 1	regional reliability - non OATT	02/01/11								Chouteau 2 Sub estimated completion date is 04/01/10
	610	10782	330	Line - Camp Clark - Lamar 161 kV	regional reliability - non OATT	06/01/10								
	611	10783	330	XFR - Lamar 69/161 kV	regional reliability - non OATT	06/01/10								
20016	507	10652	520	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	transmission service	06/01/10	06/01/10	01/16/09		\$5,428,300		18 months		Full BPF Displacement filing needed at FERC
20016	30149	50157	520	D'YESS - TONTITOWN 161KV CKT 1	transmission service	06/01/10	06/01/10	01/16/09		\$276,000		15 months		Full BPF
20016	30147	50155	520	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	transmission service	06/01/10	06/01/10	01/16/09		\$3,005,700		18 months		Full BFP
20016	30146	50154	520	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	transmission service	06/01/10	06/01/10	01/16/09		\$3,005,700		18 months		Full BFP

20016	30145	50153	520	ARSENAL HILL - WATERWORKS 69KV CKT 1	transmission service	05/19/09	06/01/10	01/16/09	\$3,898,800		18 months	Full BFP
20016	30144	50152	520	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	transmission service	05/06/09	06/01/10	01/16/09	\$100,000		12 months	Full BFP Displacement filing needed at FERC. Completed
20016	30153	50161	520	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	transmission service	06/01/10	06/01/10	01/16/09	\$200,000			
20000	113	10140	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/10	06/01/12	02/13/08	\$9,480,000		24 months	
20000	113	10786	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/10	06/01/12	02/13/08	\$13,380,000		24 months	
20000	113	10143	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	05/09/08	06/01/12	02/13/08	\$3,000,000		24 months	
20000	113	10141	520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	regional reliability	06/01/10	06/01/12	02/13/08	\$19,482,000		24 months	
19959	289	10375	520	Line - Clinton City Wave Trap	transmission service	06/01/10	06/01/10	10/17/06	\$122,000		9 months	
20016	291	10377	520	Line - Bann - Lonestar Ordinance Tap 69 kV	transmission service	06/01/10	06/01/12	01/16/09	\$25,000		6 months	
20000	294	10380	520	Line - North Mineola - Mineola 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$350,000		15 months	
19953	295	10381	520	Line - Coffeyville Tap - Dearing - 138 kV	transmission service	06/01/10	06/01/10	06/26/07	\$1,008,000		24 months	Displacement need to make filing for displacement \$
20000	297	10383	520	Line - Qultman - Westwood 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$3,827,000		24 months	
20016	296	10382	520	Line - Dyess - Elm Springs REC 161 kV CKT 1 #2	transmission service	06/01/10	06/01/10	01/16/09	\$6,252,000		24 months	Switch replacement, not a reconductor, is needed in 2008.
20027	613	10784	520	Line - Diana-Lone Star South 138 kV	regional reliability	12/01/10	12/01/10	01/27/09	\$100,000		12 months	
20027	449	10581	520	Line - Carthage - Rock Hill 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$50,000		9 months	
20027	480	10617	520	Line - Snyder - Snyder 138KV	regional reliability	12/31/10	06/01/09	01/27/09	\$800,000		24 months	WFEC to supply mitigation plan
20027	292	10378	520	Line - Greggton - Lake Lamond 69 kV	regional reliability	06/01/10	06/01/11	01/27/09	\$1,496,000		24 months	
	231	10296	520	Line - Turk - SE Texarkana - 138 kV	generation interconnect	12/31/10			\$25,590,000		48 months	
	232	10297	520	Line - Turk - Sugar Hill 138 kV	generation interconnect	12/31/10			\$18,427,000		48 months	
	216	10275	520	Line - Ben Wheeler - Barton's Chapel (Rayburn) 138 kV Ckt 1	regional reliability - non OATT	06/01/10					18 months	Rayburn Country Project.
20021	299	10385	523	Multi-Kansas Tap - Siloam City 161KV	regional reliability	06/01/10	06/01/12	01/16/09	\$4,212,500		24 months	
20021	299	10386	523	Multi-Kansas Tap - Siloam City 161KV	regional reliability	06/01/10	06/01/12	01/16/09	\$1,700,000		24 months	
20001	300	10387	523	Line - Kerr - 412 Sub 161 kV Rebuild	regional reliability	06/01/10	06/01/10	02/13/08	\$950,000		24 months	
20001	301	10388	523	XFR - Sallisaw 161/69 kV Auto #2	regional reliability	06/01/10	06/01/08	02/13/08	\$3,000,000		24 months	
	302	10389	523	Line - Siloam Springs Tap - Siloam City	sponsored	06/01/10			\$3,210,200		24 months	
20029	615	10792	524	Multi- Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$1,074,000		18 months	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 eliminates the need to address the voltage drop for the loss of the WFEC Dover
20029	615	10793	524	Multi- Dover-Twin Lake-Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/11	06/01/10	01/27/09	\$4,330,250		18 months	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 eliminates the need to address the voltage drop for the loss of the WFEC Dover
	614	10787	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	614	10915	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	614	10788	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	614	10789	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10			\$218,000,000			
	614	10790	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	614	10791	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	614	10913	524	Multi- Northwest-Woodward 345 kV	sponsored	03/30/10						
	310	10391	524	Line - Fitzhugh - Helberg 161 kV	sponsored	06/01/10			\$1,416,000			
	310	10392	524	Line - Great Lakes Carbon - Altus 161 kV	sponsored	12/31/10			\$543,000			
	310	10393	524	Line - Altus - Fitzhugh 161 kV	sponsored	12/31/10			\$860,000			
	310	10394	524	Line - Igo - Noark 161 kV	sponsored	12/31/10			\$2,994,000			
	310	10395	524	Line - Little Spadra - Igo 161 kV	sponsored	06/01/10			\$2,112,000			
	310	10396	524	Line - Noark - Great Lakes Carbon 161 kV	sponsored	12/31/10			\$522,000			
	309	10397	524	Line - Park Lane - Ahlso Tap 69 kV	sponsored	06/01/10			\$50,000			
	310	10398	524	Line - Razorback - Igo 161 kV	sponsored	06/01/10			\$2,973,000			
	310	10399	524	Line - Razorback - Short Mountain 161 kV	sponsored	06/01/10			\$500,000			
	310	10400	524	Line - Short Mountain - Branch 161 kV	sponsored	06/01/10			\$3,231,000			
20030	239	10305	525	Line - WFEC Snyder - AEP Snyder	regional reliability	12/31/10	06/01/09	01/27/09	\$3,373,000		16 months	Mitigation: Temporary Op Guide provided.
20003	136	10174	525	Line - Meeker - Hammett 138 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$6,674,000		10 months	Mitigation: Temporary Op Guide provided.

20003	137	10175	525	Line - Wakita - Hazelton 69 kV	regional reliability	06/01/10	04/01/09	02/13/08	\$5,378,750		10 months		Mitigation: Temporary Op Guide provided.
20003	311	10401	525	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$2,065,000		12 months		
20003	311	10402	525	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$1,601,000		12 months		
20003	311	10403	525	Multi - Franklin SW - Acme - Norman - OU SW Conversion 138 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$1,577,000		12 months		
20030	616	10794	525	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$5,765,600		24 months		
20030	616	10795	525	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$5,315,700		24 months		
20030	616	10796	525	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$3,164,000		24 months		
20030	616	10797	525	Multi: WFEC-Dover-Twin Lake_Crescent-Cottonwood conversion 138 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$3,937,500		24 months		
20030	617	10798	525	Line - Carter Jct-Lake Creek 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$150,000		8 months		
20030	135	10799	525	Multi - Lindsay - Lindsay SW and Bradley-Rush Springs lines	regional reliability	06/01/10	06/01/10	01/27/09	\$1,248,750		24 months		
20030	135	10173	525	Multi - Lindsay - Lindsay SW and Bradley-Rush Springs	regional reliability	06/01/10	06/01/10	01/27/09	\$2,328,750		24 months		
20031	144	10183	526	Line - Curry County - North Clovis Conversion	regional reliability	06/01/10	06/01/10	01/27/09	\$200,000		24 months		Deferred in 2007 Expansion Plan. Cancelled by BOD in July 2008. Determined as needed in 2008 Expansion Plan. 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	248	10317	526	Multi - Wheeler County Project - Tap 230 kV line - Two new XFs - new 115 kV line	regional reliability	06/01/10	06/01/09	02/13/08	\$10,585,000		30 months		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	248	10318	526		regional reliability	06/01/10	06/01/09	02/13/08			30 months		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	248	10319	526		regional reliability	06/01/10	06/01/09	02/13/08			30 months		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.
20031	156	10326	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	12/31/10	06/01/10	01/27/09	\$16,094,371		48 months		Same as provided last year with load shed being the greatest measure of mitigating low voltages and overloads for the worst contingencies. Hitchland to Moore County 230 kv Transmission Project.
20004	156	10327	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	04/01/09	02/13/08	\$12,577,500		24 months		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	156	10328	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$15,848,000		48 months		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.
20004	156	10329	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$10,771,825		48 months		The correction idew made this line from Sherman to Dallam instead of Sherman to Dalhart. 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	156	10330	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$10,766,250		48 months		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	156	10331	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/11	06/01/09	02/13/08	\$5,846,295		24 months		This large project is underway and portions of this project will be complete after the Summer of 2009. Ochiltree Sub 230/115 kV transformer.
20004	156	10200	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$5,132,829		24 months		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	156	10201	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	regional reliability	06/01/10	06/01/09	02/13/08	\$31,915,701		24 months		This large project is underway and portions of this project will be complete after the Summer of 2009.
20004	156	10325	526	Multi - Hitchland - Texas Co. 230 kV and 115 kV	sponsored	06/01/11		02/13/08	\$11,922,643				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	554	10704	526	Multi - Dallam - Channing - Tascosa - Northwest Lines	regional reliability	12/31/10	06/01/09	01/27/09			30 months		no backup for the 69 kV service at Channing and Tacososa. Any contingency on this radial line will remove load from the system. Therefore, no mitigations
20031	554	10705	526	Multi - Dallam - Channing - Tascosa - Northwest lines	regional reliability	12/31/10	06/01/09	01/27/09	\$27,452,677		30 months		there is no backup for the 69 kV service at Channing and Tacososa. Any contingency on this radial line will remove load from the system. Therefore, no mitigations.
20031	554	10706	526	Multi - Dallam - Channing - Tascosa - Northwest lines	regional reliability	12/31/10	06/01/09	01/27/09			30 months		Tacososa to NW sub 115 kV project.
	315	10407	526	Line - Roosevelt County Interchange 115 kV - Curry County Interchange 115 kV	regional reliability	06/01/10	06/01/15		\$200,000		6 months		Any contingency on this radial line will remove load from the system. Therefore, no mitigations
19989	316	10409	531	Multi - Knoll - Hays - Vine	regional reliability	06/01/10	06/01/08	02/02/07	\$536,000		18 months		Will need additional study
20033	622	10810	536	Line - Richland - Rose Hill Junction 69 kV	regional reliability	06/01/13	06/01/10	01/27/09	\$2,815,000		18 months		Project removed from 2009 STEP. NTC to be withdrawn
20019	578	10739	536	Line - Knob Hill - Steele City 115 kV	regional reliability	06/01/10	06/01/09	11/17/08	\$14,747,550		48 months		Currently re-evaluating this project in light of Timber Jct. 138-69 kV project and TransCanada
20006	321	10417	536	Line - Oaklawn - Oliver 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$1,292,500		12 months		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.
19964	318	10412	536	Line - Coffeyville - Dearing 138 kV	transmission service	06/01/10	06/01/10	06/27/07	\$2,819,000		18 months		Cost is WERE portion only
20033	493	10638	536	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09			15 months		Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth
20033	493	10639	536	Multi - Jarbalo - Stranger Creek - NW Leavenworth	regional reliability	06/01/11	06/01/10	01/27/09	\$8,050,000		15 months		Transmission Operating Directive 1216 modified to open Jarbalo-NW Leavenworth
20006	330	10426	536	Multi - Fort Scott - Marmaton/Lichtfield 161kV	regional reliability	06/01/10	06/01/10	02/13/08	\$5,000,000		18 months		Mitigation is power factor correction on 69 kV system between Marmton and Litchfield
20006	330	10427	536	Multi - Fort Scott - Marmaton/Lichtfield 161kV	regional reliability	06/01/10	06/01/10	02/13/08	\$2,400,000		18 months		Mitigation is power factor correction on 69 kV system between Marmton and Litchfield
20033	495	10640	536	Line - Lawrence Hill - Mockingbird 115 kV	regional reliability		06/01/10	01/27/09	\$2,377,448		18 months		Re-evaluating scope of project as part of a comprehensive assessment of the Lawrence load area.
20033	618	10806	536	Multi - NW Manhattan	regional reliability	12/01/11	06/01/10	01/27/09	\$17,437,500		24 months		Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced
20033	621	10809	536	Line - E. Manhattan - JEC 230 kV	regional reliability		06/01/10	01/27/09	\$17,085,938		24 months		
20033	623	10811	536	Line - Timber Junction - Winfield 69 kV	regional reliability	12/31/10	06/01/10	01/27/09	\$7,415,000		24 months		Projections have reduced
20033	625	10813	536	Line - Rebuild Chisolm - Ripley 69 kV	regional reliability	06/01/10	06/01/10	01/27/09	\$2,255,250		18 months		
20033	599	10766	536	Line - 27th & Croco - Tecumseh Hill 115 kV	regional reliability	12/31/10	06/01/09	01/27/09	\$3,235,000		18 months		
20019	577	10738	536	Line - Kelly - Seneca 115 kV	regional reliability	12/01/10	06/01/09	11/17/08	\$4,487,000		24 months		Project will probably defer to 2010 due to reduced load forecast. Expected in-service date is 12/1/2010.
20006	328	10424	536	Line - Reno(Circle) - Moundridge Project 115 kV Rebuild	regional reliability	06/01/10	06/01/10	02/13/08	\$5,800,000		12 months		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 determined that this line did not need to be constructed.
20006	171	10220	536	Line - Weaver - Rose Hill 69 kV	regional reliability	12/01/10	06/01/08	02/13/08	\$2,242,907		6 months		Rebuild will be done as part of Wichita - Reno County 345 kV
													Transmission Operating Directive 1104

20006	172	10221	536	Line - Tecumseh Energy Center - Midland 115 kV	regional reliability	06/01/10	06/01/12	02/13/08	\$2,100,000		6 months		Substation cost estimate \$2,100,000
	173	10222	536	Line - Gill Energy Center West-Peck 69 kV Rebuild	sponsored	06/01/10			\$3,684,740		12 months		Project deferred.
	182	10231	536	Line - Chase - White Junction 69 kV	sponsored	06/01/10			\$5,184,701		8 months		Interim mitigation is application of existing Transmission Operating Directive 634
	328	10425	536	XFR - Reno(Circle)-Moundridge Project	sponsored	06/01/10			\$1,700,000				
20034	627	10815	540	Line - Alabama - Lake Road 161 kV	regional reliability	06/01/09	06/01/10	01/27/09	\$20,000		3 months		Completed
20034	628	10816	540	Line - Platte City - Smithville 161 kV	regional reliability	12/01/10	12/01/10	01/27/09	\$50,000		6 months		
	331	10428	540	Line - Clinton MIPU - Clinton AECI 161 kV	sponsored	06/01/11			\$2,418,750		6-12 months		
	332	10429	540	XFR - Sibley 161/69kV	sponsored	07/01/10			\$2,200,000		18 months		Transformer received; engineering in progress
	192	10246	540	Line - Iatan - Platte City 161 kV Ckt 1	generation interconnect	12/31/09			\$1,050,000		6 months		
	626	10814	541	Multi - Iatan 345/161 kV Sub	sponsored	12/31/09			\$8,000,000		24 months		Project under construction, 66% complete
20010	382	10495	544	Line - Baxter Spring West - Hockerville 69 kV	regional reliability	06/01/10	12/01/11	02/13/08	\$50,000		6 months		
	421	10547	544	Line - Sub 124 - Aurora H.T. - Sub 152 - Monett H.T. 69 kV	regional reliability	06/01/10	06/01/09	01/27/09	\$5,000		6 months		CT ratio corrected in model. Correct Rate A/B: 54/65 (Summer), 72/72 (Winter). Project no longer needed.
19969	338	10435	544	Line - SUB 184 - NEOSHO SOUTH JCT. - Neosho (SWPA) 161 kV	transmission service	06/01/10	06/01/10	09/22/06	\$1,215,000		12 months		Prior to BPF tariff
20011	212	10271	546	Line - Norton - Neergard 69 kV	regional reliability	06/01/10	06/01/08	02/13/08	\$1,485,000		24 months		SPRM will mitigate overload by transferring load prior to reconductor completion in 2010.
	339	10436	546	XFR - SWPS Bus - SWPS #2 161 kV	sponsored	10/01/10			\$3,200,000		24 months		Related to SW2 being added to the models. This will go to the review committee
	629	10817	640	Twin Church / South Sioux City Area	regional reliability	06/01/12	06/01/12		\$33,000,000				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.
	630	10818	640	Upgrade Jeffrey - Gothenburg 115kV line	regional reliability	06/01/10	06/01/10		\$200,000				
			645	Line - Rebuild Sub 902 - Sub 983 69 kV	sponsored	02/26/10			\$2,500,000				The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria.
Year 2011													
	284	10370	351	Line - Grandview - Osage	regional reliability - non OATT	06/01/12	06/01/09		\$6,000,000		36 months		Preliminary design has begun.
	342	10439	515	Line - BULL SHOALS - BULL SHOALS 161KV	regional reliability - non OATT	01/01/10	06/01/11		\$2,200,000				
20016	108	10441	520	Line - North Market - Arsenal Hill 69 kV	regional reliability	01/30/09	06/01/10	01/16/09	\$3,210,000		24 months		Completed
20016	343	10440	520	Line - Winnsboro - Magnolia Tap 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$250,000		15 months		
20016	345	10442	520	Line - Magnolia - Forest Hill 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$125,000		15 months		Should be removed. Switch # 9116 at Magnolia Tap has been removed, and therefore does not need to be replaced. Summer ratings are already 73/85 MVA.
20016	346	10443	520	Line - Forest Hills - Quitman 69 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$100,000		15 months		
20000	347	10444	520	Line - Woodlawn - Baldwin 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$2,000,000		18 months		
20016	348	10445	520	Line - Dyess - Tontitown 161 kV	regional reliability	06/01/10	06/01/10	01/16/09	\$224,000		12 months		
20027	452	10586	520	XFR - Whitney 138/69 kV	regional reliability	06/01/11	06/01/11	01/27/09	\$350,000		18 months		Re-rating autotransformers. However, leave this row in because switches will need to be replaced.
20016	349	10449	520	Line - MCNAB REC - Turk 115 kV recon	transmission service	12/31/11	04/01/12	01/16/09	\$540,000		60 months		Changed from PL. 2006 AG3
20016	349	10450	520	Line - McNab REC - Hope	transmission service	12/31/11	04/01/12	01/16/09	\$2,170,000		60 months		SPP to confirm if AECC McNab switches and strain bus need to be replaced. Changed from PL. 2006 AG3
20016	349	10456	520	XFR - Turk 345/138 kV	transmission service	12/31/11	04/01/12	01/16/09	\$7,310,000		60 months		Changed from PL. 2006 AG3
	350	10459	520	Line - Bann - Red Springs REC	generation interconnect	12/31/11			\$277,000		60 months		
	349	10446	520	Line - Ashdown - Okay 115 kV	generation interconnect	06/01/11			\$7,810,000		60 months		

	349	10447	520	Line - Ashdown - Patterson 138 kV	generation interconnect	12/31/11				\$11,431,000		60 months		
	349	10448	520	Line - MCNAB REC - Turk 115 kV	generation interconnect	12/31/11				\$1,773,000		60 months		
	349	10451	520	XFR - Okay 115/69 kV	generation interconnect	12/31/11				\$3,266,000		60 months		Replacement not needed in 2009 due to re-rating, but replacement needed in 2011 due to voltage conversion associated with Turk.
	349	10452	520	Line - Okay 115 - Turk 138 kV	generation interconnect	12/31/11				\$8,170,000		60 months		
	349	10457	520	XFR - Turk 138/115 kV #1	generation interconnect	12/31/11				\$7,806,000		48 months		
20001	393	10511	523	XFR - Afton 161/69 kV #2 Addition	regional reliability	06/01/11	06/01/12	02/13/08		\$2,500,000		24 months		
	302	10390	523	XFR - Siloam Springs Tap 345/161kV	sponsored	12/01/11				\$8,019,000		24 months		
20029	354	10463	524	Line - Muldrow to 3rd St. 69 kV	regional reliability	06/01/11	06/01/09	01/27/09		\$100,000		12 months		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"
20017	30158	50166	524	ARDMORE - ROCKY POINT 69KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09		\$1,627,500		24 months		Full BPF
20017	30162	50170	524	SUNNYSIDE - UNIROYAL 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09		\$50,000		12 months		
20017	30159	50167	524	DILLARD4 - HEALDTON TAP 138KV CKT 1	transmission service	06/01/11	06/01/11	01/16/09		\$300,000		12 months		Full BPF
19951	357	10467	525	XFR - Anadarko 138/69 kV	transmission service	06/01/11	06/01/11	01/02/07		\$2,000,000		16 months		
20031	632	10822	526	Multi- Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09		\$3,937,500		24 months		County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and Open Switch 7858 [527349-527371].
20031	632	10823	526	Multi- Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09		\$3,375,000		24 months		County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and Open Switch 7858 [527349-527371].
20031	632	10824	526	Multi- Legacy Interchange 69 kV Tap - 115/69 transformer -2 new lines	regional reliability	06/01/11	06/01/09	01/27/09		\$3,093,750		24 months		County 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 7857 [527349 - 527339], and Open Switch 7858 [527349-527371].
20031	633	10825	526	Multi- Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09		\$3,285,000		36 months		Interim Mitigations: To address the overload of one Artesia 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768].
20031	633	10826	526	Multi- Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09		\$281,250		36 months		Interim Mitigations: To address the overload of one Artesia 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768].
20031	633	10827	526	Multi- Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09		\$281,250		36 months		Interim Mitigations: To address the overload of one Artesia 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768].
20031	633	10828	526	Multi- Eagle Creek 115 and 69 kV Taps - 116/69 XF - 3 new lines	regional reliability	04/15/11	06/01/09	01/27/09		\$1,350,000		36 months		Interim Mitigations: To address the overload of one Artesia 115/69 kV transformer for the outage of the parallel transformer, shed load to mitigate overload, then Close Switch 4755 @ 13TH ST. SUB [527761 - 527768].
20031	696	10829	526	Line - Chaves Co - Roswell Int 69/115 kV Voltage Conversion	regional reliability	06/01/11	06/01/09	01/27/09		\$4,716,600				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%. Load shed approximately 9 MVA until the following remedial switching is done.
20033	624	10812	536	Line - Fort Junction - West Junction City 115 kV	regional reliability	06/01/11	06/01/10	01/27/09		\$4,927,500		24 months		Interim mitigation is to increase generation at AEC, McPherson, and HEC to relieve overloading.
19964	375	10488	536	XFR - Rose Hill 345/138 kV #3 Addition	transmission service	06/01/11	06/01/11	06/27/07		\$8,100,000		24 months		Displacement need to make filing for displacement \$
20006	369	10482	536	Line - SW Lawrence - Wakarusa 115 kV Rebuild	regional reliability	06/01/11	06/01/11	02/13/08		\$2,000,000		18 months		Re-evaluating scope of project as part of a comprehensive assessment of the Lawrence load area.
20006	370	10483	536	Line - Co-op - Wakarusa	regional reliability	06/01/11	06/01/11	02/13/08		\$760,000		18 months		The required date to start the project has not yet occurred; Mitigation plans not required
20033	600	10767	536	Line - 27th & Croco - 41st & California 115 kV	regional reliability	12/31/11	06/01/09	01/27/09		\$3,227,500		24 months		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	267	10350	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	12/01/10	06/01/10	01/27/09		\$2,500,000		12 months		UVLS operational in Newton Division. Adjustment of CTs at Halstead and Newton to increase line rating is interim mitigation. Substation terminal costs is \$220,000 for Halstead and Newton.
20033	267	10351	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	12/01/10	06/01/10	01/27/09		\$360,000		12 months		
20033	267	10352	536	Multi - Halstead - Mud Creek Jct. - Mid-American Jct. - Newton 69 kV	regional reliability	12/01/10	06/01/10	01/27/09		\$1,300,000		12 months		
20033	463	10602	536	Line - East Manhattan - McDowell 115 kV to 230 kV conversion	regional reliability	06/01/12	06/01/10	01/27/09		\$4,100,000		12 months		Install Distribution Capacitors change conversion and East Manhattan - JEC 230 kV Distribution Transformer NLTs. Load projections have reduced
19964	529	10674	536	Line - Rose Hill - Sooner 345 kV	transmission service	12/01/11	06/01/16	06/27/07		\$84,669,696		36 months		
20033	491	10636	536	Line - Bismark - COOP	regional reliability		06/01/09	01/27/09		\$2,085,000		18 months		Projections have reduced
20034	634	10830	540	Multi - Loma Vista - Montrose 161 kV - Tap into K.C. South	regional reliability	11/01/11	06/01/09	01/27/09		\$2,369,625		18 months		Project to be re-evaluated to re-evaluate the economic projection for the transformer - close opening case and water only conversion East 161 kV lines. Mitigation plan is to increase Greenwood and Dogwood generation, and/or to reduce South Harper
20034	635	10832	540	Multi - Edmond Substation	regional reliability	07/01/10	04/01/09	01/27/09		\$5,405,930		12-18 months		mitigation plan is to increase Lake Road generation to eliminate Lake Road 161/34.5 kV transformer overloads under emergency
	377	10490	541	Line - Paola - Middle Creek 161 kV	sponsored	06/01/12				\$2,622,850		18 months		
	378	10491	541	Line - North Louisburg - Middle Creek 161 kV	sponsored	06/01/12				\$12,179,000		24 months		TO Zonal/local upgrade. Not for SPP reliability.
19970	352	10730	544	Line - Oronogo Junction - Riverton 161 kV Recond	transmission service	06/01/11	06/01/11	01/10/08		\$5,750,000		36 months		95.1% of costs BPF. 36 month lead time adequate.
19970	499	10644	544	XFR - Oronogo - 161/69 kV	transmission service	06/01/11	06/01/11	01/10/08		\$4,000,000		36 months		
	609	10924	645	Build New 161 kV Substation Sub 1341	regional reliability	12/31/11	04/01/12							Change Project Name to "Build New 161 kV Substation Sub 1341"
	609	10925	645	Line - Sub 1251 - Sub 1341 161kV	regional reliability	12/31/11	04/01/12			\$16,300,000				
	609	10926	645	Line - Sub 1341 - Sub 1305 161kV	regional reliability	12/31/11	04/01/12							
	287	10373	DETEC	Line - Etoile - Chireno	sponsored	06/01/11				\$11,299,000				

Year 2012												
20016	30157	50165	520	SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$4,750,000		24 months	Full BPF
20016	30156	50164	520	SE TEXARKANA - TEXARKANA PLANT 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$35,000			Full BPF
20016	30155	50163	520	OKAY - TOLLETTE 69KV CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$80,000			Full BPF
20016	30148	50156	520	BANN - LONESTAR ORDINANCE TAP 69KV CKT 1 #2	transmission service	06/01/12	06/01/12	01/16/09	\$4,225,000		24 months	Full BPF
20016	30154	50162	520	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 # 2	transmission service	06/01/12	06/01/12	01/16/09	\$100,000		12 months	Full BPF
20016	30152	50160	520	LINWOOD - POWELL STREET 138KV CKT 1	transmission service	06/01/12	06/01/12	01/16/09	\$456,000		15 months	Full BPF
20016	30150	50158	520	LAWTON EASTSIDE (LES 4) 345/138/13.8KV TRANSFORMER CKT 1	transmission service	12/01/12	12/01/12	01/16/09	\$4,560,000		24 months	Full BPF
20016	30142	50148	520	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09	\$48,580,000		33 months	Change PID and UID (old PID 349 and old UID 10453)
20016	30142	50149	520	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09			33 months	Change PID and UID (old PID 349 and old UID 10453)
20016	30142	50150	520	Line - Turk - NW Texarkana 345 kV	transmission service	04/01/12	04/01/12	01/16/09			33 months	Change PID and UID (old PID 349 and old UID 10453)
20016	288	10374	520	Line - Vallant Substation - Install 345 kV terminal equipment	transmission service	04/01/12	04/01/12	01/16/09	\$3,840,000		24 months	Notification received from the SPP concurring with the new in-service date due to the delay of the Turk plant. 73% BPF
20027	392	10510	520	Line - Howell - Kilgore 69 kV	regional reliability	06/01/12	06/01/09	01/27/09	\$2,700,000		18 months	Interim mitigation plan: After contingency of Lake Lamond-Greggton 69 kV, if Kilgore-Howell 69 kV overloads, open Sabine-Service Pipeline Tap with breaker 1P90 at Sabine.
20000	387	10505	520	Line - Riverside - Okmulgee 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$125,000		15 months	
20000	388	10506	520	Line - New Boston - North New Boston 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$100,000		15 months	
20000	389	10507	520	Line - SE Texarkana - Texarkana 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$122,000		15 months	
20000	391	10509	520	Line - Lone Star South - Pittsburg 138kV	regional reliability	06/01/12	06/01/12	02/13/08	\$300,000		15 months	
20017	30161	50169	524	HUGO - SUNNYSIDE 345KV OKGE	transmission service	04/01/12	04/01/12	01/16/09	\$75,000,000		42 months	Full BPF
20017	30163	50171	524	SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1	transmission service	04/01/12	04/01/12	01/16/09	\$6,750,000		24 months	Full BPF
20002	395	10513	524	Line - OGE Russett - WFEC Russett 138kV	regional reliability	06/01/12	12/01/12	02/13/08	\$347,073		12 months	An SPP Flowgate
20002	396	10514	524	Breaker - Bodde 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,000,000		12 months	Cost to install breaker plus relays at Bodde and replace relays at Caney Creek & OGE Brown.
20002	397	10515	524	Multi - Mustang - Cimarron 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$6,850,000		24 months	Project will be replaced pending an Out of Cycle review of Cimarron - Haymaker
20002	397	10516	524	Multi - Mustang - Cimarron 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$3,500,000		24 months	Project will be replaced pending an Out of Cycle review of Cimarron - Haymaker
19961	523	10668	524	Line - Rose Hill - Sooner 345 kV	transmission service	06/30/12	06/01/16	06/27/07	\$45,000,000		42 months	Right-of-way being secured
	551	10837	524	Multi-3rd-Massard convert 69-161kV	regional reliability	06/01/16	06/01/17		\$2,200,000		24 months	Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV
	551	10701	524	Multi-3rd-Massard convert 69-161kV	regional reliability	06/01/16	06/01/17		\$2,850,000		24 months	Replaced Jonshon to 3rd Street tap with Johnson to Oak Park 161 kV
20018	30165	50173	525	HUGO - SUNNYSIDE 345KV WFEC	transmission service	04/01/12	04/01/12	01/16/09	\$45,000,000		36 months	Full BPF
20003	402	10522	525	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,125,000		12 months	
20003	402	10523	525	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$7,306,000		24 months	
20003	402	10524	525	Multi - Granfield - Cache SW 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$5,000,000		24 months	
20018	313	10405	525	Line - Vallant - Hugo 345 kV	transmission service	04/01/12	04/01/12	01/16/09	\$11,000,000		24 months	73% BPF
20018	314	10406	525	XFR - Hugo 345/138 kV	transmission service	04/01/12	04/01/12	01/16/09	\$5,000,000		24 months	73% BPF
20003	399	10519	525	Line - Lindsay - Wallville 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,347,000		12 months	
20003	400	10520	525	Line - Pharaoh - Weleetka 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$225,000		6 months	
20003	401	10521	525	Line - WFEC Russett 138 kV - AEP Altus Jct Tap 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$50,000		6 months	
20006	410	10536	536	Line - Circle - Ark Valley - Tower 33 115 kV	regional reliability		06/01/12	02/13/08	\$2,306,250		12 months	Line is radial.
	561	10711	536	Line - Evans - Lakeridge 138 kV ckt 1	regional reliability	06/06/12	06/01/16		\$5,513,000		24 months	
20009	379	10492	541	Line - Hillsdale - Cedar Niles 161 kV	zonal reliability	06/01/15	06/01/13	02/13/08	\$5,418,700		24 months	Delayed 2 year; mitigation not needed.
20009	417	10543	541	Line - Avondale - Gladstone 161 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$13,000		6 months	
20036	638	10839	544	Line - Sub 170 Nichols - Sub 80 Sedalia 69 kV	regional reliability	06/01/12	06/01/12	10/12/09	\$3,520,000		18 months	
20036	420	10546	544	Line - Jamesville - Sub 415-Blackhawk Jct. 69 kV	regional reliability	06/01/12	06/01/17	01/27/09	\$50,000		6 months	
	496	10641	544	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH 1	regional reliability	06/01/12	06/01/17		\$55,000		6 months	

	639	10840	545	Line - Blue Valley Plant - Sub M 161 kV	regional reliability - non OATT	06/01/12	10/01/09		\$2,625,000		24 months		Not under OATT
	424	10552	546	Line - Southwest - Brookline 161 kV	sponsored	06/01/09			\$450,000	\$444,977	24 months		Completed
	425	10553	546	Line - Southwest - Southwest Disposal 161 kV	sponsored	06/01/09			\$175,000	\$170,890	24 months		Completed
	426	10554	546	Line - Southwest Disposal - Battlefield 161 kV	sponsored	06/01/09			\$675,000	\$594,254	24 months		Completed
20011	441	10572	546	Line - Kickapoo - Sunset 69 kV	regional reliability	06/01/12	06/01/13	02/13/08	\$805,000		24 months		Upgrade requirements being re-evaluated in the 2009 STEP with the Twin Oaks 69 kV 30 MVAR cap bank installed in 2014.
	386	10502	TBD	Multi - Axtell - Comanche- Wichita	sponsored	06/01/12			\$47,000,000				
	386	10503	TBD	Multi - Axtell - Comanche- Wichita	sponsored	06/01/12			\$180,000,000				
	636	10834	DETEC	Line-Chireno-Martinsville 138 kV	sponsored	06/01/12			\$7,617,000				
20015	30143	50151	AECC	MCNAB - TURK 115KV CKT 1 AECC	transmission service	04/01/12	04/01/12	01/16/09	\$165,000				Full BPF
20015	351	10460	AECC	Line - Hope - Fulton 115 kV Recond	transmission service	04/01/12	04/01/12	01/16/09	\$1,512,000				Full BPF
20015	351	10461	AECC	Fulton Switching Station	transmission service	04/01/12	04/01/12	01/16/09	\$440,000				Full BPF
Year 2013+													
20027	443	10575	520	Line - Osborne - Osborne Tap	regional reliability		06/01/13	01/27/09	\$2,000,000		24 months		
20027	641	10842	520	Line -Forest Hills-Quitman 69 kV Switches	regional reliability		06/01/13	01/27/09	\$150,000		15 months		
20027	477	10614	520	Line - Baldwin - Karnack Tap	regional reliability		06/01/13	01/27/09	\$6,900,000		24 months		
20000	450	10584	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$11,000,000		48 months		
20000	450	10585	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$30,000,000		60 months		
20000	450	10582	520	Multi - Flint Creek - Centerton 345 kV and Centerton- East Centerton 161 kV	regional reliability	06/01/14	06/01/14	02/13/08	\$9,000,000		60 months		Replaces Decatur-Centerton 345 kV project. Reconducting Flint Creek-East Centerton 161 kV by 2010 defers the need for this 345 kV project until 2014.
20027	649	10853	520	Line - Lone Star-Locus Grove 115 kV	regional reliability		06/01/14	01/27/09	\$2,150,000		24 months		
20000	511	10656	520	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$11,000,000		60 months		
20000	511	10659	520	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$24,500,000		60 months		
20000	511	10660	520	Multi - Centerton - Osage Creek 345 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$65,500,000		60 months		
20029	642	10843	524	Line Kilgore - VBI 69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$10,000		9 months		
20002	518	10663	524	Line - HSL East - HSL West 69 kV	regional reliability	06/01/16	06/01/16	02/13/08	\$250,000		12 months		
20017	30160	50168	524	FT SMITH 500 (FTSMITH3) 500/161/13.8KV TRANSFORMER CKT 3	transmission service	06/01/17	06/01/17	01/16/09	\$11,000,000		18 months		Full BPF
20017	30164	50172	524	VBI - VBI NORTH 69KV CKT 1	transmission service	06/01/17	06/01/17	01/16/09	\$100,000		9 months		Full BPF
20031	151	10195	526	XFR - Tuco 115/69 kV	regional reliability		06/01/18	01/27/09	\$1,260,000		24 months		A reconfiguration of the 69 kV loading will mitigate this contingency until 2018.
20031	153	10197	526	XFR - Potash Junction Interchange 115/69 kV	regional reliability		06/01/18	01/27/09	\$600,000		24 months		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	247	10316	526	Line - Curry County Interchange-Farmers Electric REC-Clovis 115 kV	regional reliability			02/13/08	\$5,000		6 months		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 have these jumpers upgraded by 12/31/2008 since other upgrades are being
20032	697	10914	531	Multi: Hutchinson Energy Center - Huntsville - St. John 115 kV Rebuild	regional reliability		06/01/15	01/27/09	\$12,487,500		36 months		Investigating alternate means to mitigate overload. 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.
20033	643	10844	536	Line - Twin Valley - Altamont - Neosho 138 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$4,000,000		18 months		
20033	533	10678	536	XFR - Auburn Road 230/115 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$12,622,500		36 months		
20033	645	10846	536	XFR - 17th Street 138/69 kV second transformer	regional reliability	06/01/13	06/01/13	01/27/09	\$3,375,000		24 months		
20033	534	10679	536	XFR - Halstead South 138/69 kV #1	regional reliability	06/01/14	06/01/14	01/27/09	\$1,400,000		24 months		
20033	652	10857	536	Line - Hutchinson Energy Center - Huntsville 115 kV Rebuild	regional reliability	06/01/15	06/01/15	01/27/09	\$12,487,500		36 months		
20033	169	10218	536	Line - Chapman - Clayton Center 115 kV Uprate	regional reliability	06/01/17	06/01/17	01/27/09	\$10,000		12 months		Model error.
20034	646	10847	540	XFR - Clinton 161/69 kV	regional reliability	06/01/13	06/01/13	01/27/09	\$2,000,000		12-18 months		
20036	202	10258	544	Line - Sub 436 - Webb City Cardinal - Sub 110 - Oronogo Jct. 1 69 kV	regional reliability		06/01/14	01/27/09	\$400,000		12 months		
20036	537	10685	544	Line - Sub 383 - Monett 161 kV - Monett 5 161 kV	regional reliability	06/01/15	06/01/15	101/27/09	\$7,369,319		48 months		
20036	537	10686	544	XFR - Monett 5 161 kV - Monett City South 69 kV	regional reliability	06/01/15	06/01/15	101/27/09	\$8,000,000		36 months		
20036	203	10259	544	Line - Sub 109 - Atlas Jct. - Sub 108 - Carthage Northwest 1 69 kV	regional reliability		06/01/18	01/27/09	\$1,277,935		18 months		

Balanced Portfolio										
20040	698	10927	523	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12	06/19/09	\$17,000,000		
20041	699	10929	524	Line - Sooner - Cleveland 345 kV	Balanced Portfolio	12/31/12	06/19/09	\$17,000,000	32 months	
20041	700	10930	524	Line - Seminole - Muskogee 345 kV	Balanced Portfolio	12/31/13	06/19/09	\$127,000,000	40 months	
20041	700	10931	524	XFR - Seminole 345/138 kV	Balanced Portfolio	12/31/13	06/19/09	\$4,000,000	22 months	
20041	701	10932	524	Line - Tuco to Woodward 345 kV line	Balanced Portfolio	05/19/14	06/19/09	\$64,000,000	40 months	
20041	701	10933	524	XFR - Woodward 345 kV and a 50 MVAR reactor bank	Balanced Portfolio	05/19/14	06/19/09	\$15,000,000	24 months	
20041	709	10946	524	Sub - Anadarko	Balanced Portfolio	12/31/11	06/19/09	\$8,000,000	24 months	
20044	705	10938	525	Line - WFEC Anadarko - OKGE Anadarko 138 kV	Balanced Portfolio	12/31/11	06/19/09	\$2,000,000		
20043	704	10936	526	Line - Tuco to Woodward 345 kV line	Balanced Portfolio	05/19/14	06/19/09	\$122,597,500		
20043	704	10937	526	XFR - Tuco transformer and Mid-point Reactor Station	Balanced Portfolio	05/19/14	06/19/09	\$26,130,000		
20046	707	10940	531	Line - Spearville - Knoll 345 kV	Balanced Portfolio	06/01/13	06/19/09	\$42,000,000		
20046	707	10943	531	Line - Knoll - Axtell 345 kV	Balanced Portfolio	06/01/13	06/19/09	\$66,000,000		
20046	707	10941	531	XFR - Knoll 345/230 kV	Balanced Portfolio	06/01/12	06/19/09	\$3,000,000		
20045	706	10939	534	Line - Spearville - Knoll 345 kV	Balanced Portfolio	06/01/12	06/19/09	\$54,000,000		
20042	702	10934	541	Tap - Swissvale - Stillwell	Balanced Portfolio	06/01/12	06/19/09	\$2,000,000		
20042	703	10935	541	Line - Iatan - Nashua 345 kV	Balanced Portfolio	06/01/15	06/19/09	\$54,444,000		
20042	703	10945	541	XFR - Nashua 345/161 kV	Balanced Portfolio	06/01/15	06/19/09	\$4,620,000		
20047	708	10942	640	Line - Knoll - Axtell	Balanced Portfolio	06/01/13	06/19/09	\$71,377,000		

SPP 3rd Quarter 2009 Project Tracking List - Device

Blue	Complete.
Green	On Schedule.
Yellow	On Schedule - Later in 10yr horizon.
Light Green	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project.
Red	Delayed beyond the RTO Determined need date and no mitigation plan provided
\$ / months	Project lead time and cost estimated by SPP staff

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

NTC ID	PID	UID	Area	Project Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Letter of Notification to Construct Issue Date	Cost Estimate	Final Cost	Project Lead Time	Project Status	Project Status Comments
Year 2008													
19985	30012	50018	525	Device - Rush Springs 69 kV	regional reliability	11/01/08	06/01/06	02/02/07	\$90,000		8 months	Blue	Shed load at Rush Springs Substation (up to 5MW in 2007 Summer Peak). MW values mentioned are typical for a Summer Peak case. Mitigation Plan under review by SPP staff.
20003	30036	50042	525	Device - Marietta Cap 138 kV	regional reliability	11/01/08	06/01/08	02/13/08	\$675,000		12 months	Blue	WFEC will move load to Russett Substation to relieve loading in case of low voltage
20003	30037	50043	525	Device - Sweet Water Cap 69 kV	regional reliability	03/01/08	06/01/08	02/13/08	\$243,000		10 months	Blue	
20003	30043	50049	525	Device - Twin Lakes Cap 69 kV	regional reliability	06/01/08	06/01/08	02/13/08	\$108,000			Blue	Replaces Cashion cap, which received an LOA on 2/7/07
19986	30023	50025	536	Device - Parsons	regional reliability	01/07/08	06/01/07	02/02/07	\$949,847		14 months	Blue	
19987	30019	50025	526	Device - San Andres Sub	regional reliability			02/02/07	\$750,000			Yellow	Needs further analysis - Seminole project may mitigate. Project deferred beyond the planning horizon as per 2007 Expansion plan.
19986	30082	50088	536	Device - 3rd & VanBuren	regional reliability	06/01/11	06/01/11	02/02/07	\$500,000		18 months	Green	Project is schedule for completion by 6/1/2011
20007	30061	50067	539	Device - Pratt Cap 115 kV	regional reliability	08/01/09	06/01/08	02/13/08	\$1,350,000			Blue	Construction has been started. Mitigation is to have City of Pratt generate to raise voltage.
Year 2009													
	30029	50035	520	Figure Five	sponsored	06/01/09			\$873,000			Blue	Completed
	30170	50178	520	Delivery point- Hull	sponsored	10/31/09			\$654,000		15 months	Green	
20028	30074	50080	523	Device - Tahlequah West 69 Cap kV	regional reliability	07/01/12	06/01/09	01/27/09	\$779,000		12 months	Green	Replaces Tahlequah City#1 and City #2 Cap 69. In the event of a contingency that caused a true voltage violation which regulators would not mitigate we would shed load in the city of Talequah. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
	30171	50179	523	Device - Chelsea 69 kV Cap	sponsored	06/01/09			\$586,000		12 months	Blue	
	304	50148	524	Device - Madill Industrial 138 kV	sponsored	03/01/11			\$264,000		12 months	Green	Part of multi-upgrade project for new arc furnace near Arbuckle (See branch tab for more details and cost estimate)
20003	30044	50050	525	Device - Gypsum Cap 69 kV	regional reliability	04/01/09	04/01/08	02/13/08	\$150,000		12 months	Blue	Mitigation: Temporary Op Guide provided.
20030	30172	50180	525	Device Eagle Chief 69 kV Capacitor	regional reliability	06/01/10	06/01/09	01/27/09	\$300,000		12 months	Yellow	Mitigation: Temporary Op Guide provided.
20033	30060	50066	536	Device - Sunset 69 kV Capacitor	zonal reliability	08/15/09	06/01/09	01/27/09	\$1,220,913		18 months	Red	Voltage issue around Gale area was identified in the 2006 STEP, and the Sunset 10 MVAR Capacitor was the identified as the solution. A Letter of Authorization was sent February 2, 2007 with a needed in-service date of June 2007. In the 2007 STEP, Sunset Cap was not included in the base model on TO request, and voltage problems in the Gale did not until 2013 at which time the 2007 STEP recommended installing a 6 MVAR Capacitor at Sedwick Co Koch 69 kV instead of the Sunset 10 MVAR Cap. SPP issued a Notice To Construct February 13, 2008 for the Sedwick Co Koch Cap. Project cancelled by BOD in July 2008.
20033	30173	50181	536	Device - Walnut Street Capacitor	zonal reliability	10/01/09	06/01/09	01/27/09	\$580,000		18 months	Green	Current plan is to place in service last quarter of 2009.
20033	30128	50134	536	Device - Rock Creek 69 kV Capacitor	zonal reliability		06/01/09	01/27/09	\$427,000		18 months	Yellow	Project is being re-evaluated due to load shifting between substations.
20007	30062	50068	539	Device - Harper Cap 138 kV	regional reliability	10/01/09	06/01/08	02/13/08	\$1,100,000		12 months	Blue	Construction has been started. Mitigation is to adjust the LTC on the Medicine Lodge 138/115 kV transformer, adjust generation at Fort Dodge, and request SPS to adjust the flow on the Texas Co Phase shifter.
20034	30185	50187	540	Device - Butler 161 kV Capacitor	regional reliability	06/01/13	06/01/09	01/27/09	\$405,000		12 months	Yellow	Butler is not AREA 540 sub, should be AECIKAMO, but the model was wrong on it. The real low voltage issue at Adrain/Butler for the outage of Archie Jct-Adrain 161 kV line was missed due to the invalid contingency list, which has been corrected. KCPL and AECI will work with SPP to find an alternative. Mitigation plan is to turn on Nevada generation and adjust the tap position of Butler 161/69 kV transformer as needed.
20034	30174	50182	540	Device - Craig 69 kV Capacitor	regional reliability		06/01/09	01/27/09	\$350,000		12 months	Yellow	Believe this violation caused by model error, incorrect transformer tap setting; have requested this NTC not be included in 2009 STEP. No mitigation plan is needed in near term.
20009	30077	50083	541	Device - Craig Cap 161 kV	zonal reliability	06/01/10	06/01/08	02/13/08	\$1,057,630		12 months	Yellow	project budgeted for 2009; mitigation plan will change summer transformer taps to 0.975 tap. SPP staff to review RTO reliability need date for the project.
20036	30067	50073	544	Device - Quapaw Cap 69 kV	regional reliability	12/01/09	06/01/18	01/27/09	\$1,500,000		18 months	Green	Project under study. Will be complete once 2008 series models are released. Distribution transformer taps to be adjusted accordingly to serve load adequately until the project can be implemented/energized.
	30085	50091	546	Device - Mentor Substation	sponsored	09/01/09			\$1,800,000		24 months	Blue	
Year 2010													
	30070	50076	520	Sugar Leaf	sponsored	07/01/10			\$500,000			Green	
20028	30072	50078	523	Device - Afton Cap 69 kV	regional reliability	06/01/10	06/01/09	01/27/09	\$800,000		18 months	Yellow	This voltage violation is at an NEO/REC substation that is on the end of a NEO/REC radial line out of the Afton substation. In the event of a voltage violation that cannot be mitigated with regulators we would shed this load. This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
20003	30079	50085	525	Device - Carter Cap 69 kV	regional reliability	06/01/10	06/01/10	02/13/08	\$324,000		12 months	Green	
19986	30057	50063	536	Device - Nortonville 69 kV Cap	regional reliability	12/31/10	06/01/07	02/02/07	\$715,000		18 months	Red	Project funding was removed in May 2009. Current plan is to reprioritize project for possible 2010 completion.
20006	30056	50062	536	Device - Seneca Cap 115 kV	zonal reliability	06/01/10	06/01/08	02/13/08	\$588,600		18 months	Red	Second capacitor bank identified for addition of TransCanada load. Required by summer 2010. Addition of Knob Hill - Steele City 115 kV identified for TransCanada. Capacitor bank will be installed at TransCanada.
20010	30078	50084	544	Device - Riverside Sub Cap 161kV	zonal reliability	12/01/10	06/01/09	02/13/08	\$2,600,000		24 months	Yellow	Project under study, will be complete once 2008 series models are released. Dist. Xfmr taps to be adjusted accordingly to serve load adequately until the project can be implemented/energized

Year 2011													
20001	30086	50092	523	Device - Jay Cap 69 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$800,000		18 months		This project will be deferred because the violations occurred in models that didn't use system transformer LTCs, when voltage regulation is utilized it defers this project.
20032	30176	50184	531	Device - Kinsley Capacitor 115 kV	regional reliability	06/01/11	06/01/11	01/27/09	\$225,000		18 months		
20007	30090	50096	539	Device - Russell 115 kV	regional reliability	06/01/11	06/01/11	02/13/08	\$750,000		12 months		Currently in engineering design and cost review. Request City of Russell to generate to raise voltage.
Year 2012													
19985	30041	50047	525	Device - Comanche	regional reliability	06/01/12	06/01/12	02/02/07	\$350,000		12 months		Shed load at Loco Substation (up to 3.5MW in 2007 Summer Peak) Shed load at Empire Substation (up to 5MW in 2007 Summer Peak). MW values mentioned are typical for a Summer Peak case. Mitigation Plan under review by SPP staff.
20003	30093	50099	525	Device - Latta Cap 138 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$324,000		12 months		
20003	30094	50100	525	Device - Mustang Cap 69 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$162,000		12 months		
20006	30096	50102	536	Device - Eudora Cap 115 kV	zonal reliability	06/01/12	06/01/12	02/13/08	\$580,000		18 months		
20007	30098	50104	539	Device - Plainville Cap 115 kV	regional reliability	06/01/12	06/01/12	02/13/08	\$1,500,000		12 months		Engineering esign to begin in 4th quarter of 2010. Construction to begin in first quarter of 2011.
Year 2013+													
20028	30177	50185	523	Device - Tahlequah West #2 Capacitor	regional reliability		06/01/13	01/27/09	\$291,600		12 months		GRDA is requesting that this project is removed and will be replaced by an AEC/KAMO 161.69 Xlrmr and new 69 kV line wich will terminate at Peggs.
20030	30178	50186	525	Device - Electra 69 kV Capacitor	regional reliability	06/01/13	06/01/13	01/27/09	\$240,000		12 months		
20030	30039	50045	525	Device - Esquandale Cap 69 kV	regional reliability	06/01/14	06/01/14	01/27/09	\$243,000		12 months		WFEC will move ahead line project: Cache to Grandfield to mitigate voltage problem. Short term mitigation until line can be built will be transferring load from Hulen Substation to Empire and Duncan Substations
20006	30105	50111	536	Device - Springhill Cap 115 kV	zonal reliability	06/01/13	06/01/13	02/13/08	\$1,000,000		18 months		
20034	30076	50082	540	Device - Warsaw 2 69 kV Capacitor	regional reliability		06/01/13	01/27/09	\$409,900		12 months		Believe this violation caused by model error, incorrect transformer tap setting; have requested this NTC not be included in 2009 STEP. No mitigation plan is needed in near-term.