

## SPP 1st Quarter 2008 Project Tracking Report - Branch\_Xfr

### Executive Summary

#1. 14 upgrades have been completed this quarter. \$ 56 million in transmission lines and facilities were added.

#2. SPP is tracking the development of 51 upgrades currently requiring mitigation plan: (YELLOW)

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

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
<b>Year 2006</b>				<b>\$81,169,724</b>			
515	XFR - Norfolk 161/69 kV	09/01/06	06/01/06	\$1,300,000			
520	Line - Okmulgee - Weleetka 138 kV Ckt 1	04/01/06	04/01/06	\$84,000			
520	Line - East Central Henryetta - Okmulgee 138kV	04/01/06	04/01/06	\$180,000			
520	Line - Rock Hill - Carthage REC 138 kV	06/01/06	06/01/05	\$4,370,000			
520	Line - Tonitown - Elm Springs REC 161 kV	05/01/06	05/01/07	\$640,000			
520	Line - Carthage REC - Carthage T 138 kV	06/01/06	06/01/07	\$1,590,000			
520	Line - Lone Star South - Pittsburg 138 kV	06/01/06	06/01/06	\$50,000			
520	Line - Finney Tap - Port Robson 69kV	12/31/06	12/31/06	\$6,230,000			
520	Line - Pittsburg - Winnsboro 138 kV	09/01/06	06/01/04	\$18,220,000			
524	Line - Cottonwood Creek - Skyline 138 kV Ckt 1	06/30/06	06/30/06	\$154,603			
524	Line - Redbud - Arcadia	05/15/06	05/15/06	\$1,609,082			
524	Line - Reno - Sunny Lane 69 kV	06/01/06	06/01/06	\$67,511			
524	Line - Van Buren AVEC - VBI 69 kV	06/01/06	06/01/06	\$107,114			
524	Line - Brown - Explorer Tap 138 kV Ckt 1	06/01/06	06/01/06	\$31,518			
524	Line - Richards Tap - Richards 138 kV	06/01/06	06/01/06	\$2,760,215			
524	Line - Bristow - Keystone West 138 kV	01/01/06	01/01/06	\$554,254			
524	Line - Tarby - Breaker Failure	08/31/06	08/31/06	\$1,136,503			
524	Line - Woodward District - Iodine 138 kV	12/01/06	06/01/04	\$7,870,364			
524	Line - NE Enid - Glenwood 138 kV	12/31/06	12/31/06	\$3,882,549			
526	XFR - Denver City 115/69 kV	12/01/06	06/01/06	\$2,670,460			
526		12/01/06	06/01/06				
536	Line - Cities Service - 3rd & VanBuren 69 kV Rebuild	03/01/06	06/01/06	\$1,700,000			
536	Line - Circle - Hutchinson Energy Center 115 kV Rebuild	03/29/06	06/01/06	\$300,000			
536	Line - Midwest Solvent Junction 1 - Atchison Junction 2 69 kV Rebuild	05/18/06	06/01/06	\$55,026			
536	XFR - Butler 138/69 kV #2 Addition	03/31/06	11/01/06	\$1,621,593			
536	Line - Morris - McDowell 230 kV Conversion	09/22/06	06/01/06				
536	XFR - McDowell 230/115 kV #1 Addition	07/19/06	06/01/06	\$7,073,312			
536		12/31/06	12/31/06				
536	Multi - HEC - 43rd & Lorraine - Tower 33 69 kV Rebuild	11/22/06	12/31/06	\$2,400,000			
536	Line - Chisholm - Grant 69 kV Rebuild	12/31/06	06/01/09	\$664,074			
540	Line - Gravois Mills - North Warsaw 161 kV	01/01/06	01/01/06	\$500,000			
540	Line - Truman - North Warsaw 161 kV	01/02/06	01/02/06	\$500,000			
541	Line - Lacyane - West Gardner 345 kV Ckt	05/01/06	05/01/06	\$10,461,346			
541	Line - Tomahawk - Bendix 161 kV	12/01/06	12/01/06	\$528,600			
544	Line - Sub 110 - Oronogo Jct. - Sub 432 - Joplin Oakland North 161 kV Ckt	05/01/06	03/01/06	\$504,000			
544	Line - Sub 109 - Atlas Jct. - Sub 432 - Joplin Oakland North 69 kV Ckt	05/01/06	06/01/06	\$1,353,600			
<b>Year 2007</b>				<b>\$207,621,794</b>			
502	Line - Pineville - Shady Oaks 138 kV	12/01/07	06/01/09	\$1,900,000	9 months		
515	Line - SPA Hilltop - EES Hilltop 161 kV	07/30/07	07/30/07	\$6,600,000			
515	Line - Springfield - Brookline 161 kV	06/01/07	06/01/08	\$390,000			
515	Line - Sub 109 - Atlas Jct. - Carthage 161 kV	05/01/07	06/01/07	\$88,000			
520	Line - 36th & Lewis - 52nd & Delaware Tap	06/01/07	06/01/16	\$15,000			
520	Line - Winnsboro - North Minneola 138 kV	10/17/07	12/01/07	\$20,770,000			
520	Line - South Shreveport - SW Shreveport 138 kV	07/04/07	06/01/10	\$110,000			
520	XFR - Southwest Shreveport Transformer Ckt 1 345/161 kV	01/01/09	06/01/10	\$1,500,000			
520	XFR - Southwest Shreveport Transformer Ckt 2 345/161 kV	01/01/09	06/01/10	\$1,500,000			
520	XFR - Tonitown 345/161 kV	06/01/07	06/01/07	\$4,278,100			
520	Line - Siloam Springs - Chambers Spring 161 kV	06/01/07	06/01/07	\$6,627,225			
520	Line - Knox Lee - Oak Hill #2 138 kV	07/11/07	06/01/07	\$135,000			
520	Line - Chambers Spring - Tonitown 161 kV	06/01/07	06/01/07	\$4,000,000			
520	Line - 53rd & Garnett N. Tap - Tulsa Southeast 138 kV	06/01/07	06/01/07	\$63,000			

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTD Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
520	Multi - Tulsa Project	07/01/07	06/01/07	\$58,710,000			
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520		07/01/07	06/01/07				
520	Line - Oak Hill - NW Henderson 138 kV	07/13/07	06/01/08	\$122,000			
523	Line - Zena Tap - Jay 69 kV	05/30/07	05/30/07	\$500,000			Facilities owned by Oklahoma Rural Elec. Coop. GRDA will provide TOD procedure for SPP review.
523	Line - Gray Tap - Zena Tap 69 kV	05/30/07	05/30/07	\$1,600,000			Facilities owned by Oklahoma Rural Elec. Coop. GRDA will provide TOD procedure for SPP review.
523	Line - Kerr - 412 Sub 161 kV	06/07/07	06/01/13	\$4,991,590			
523	XFR - Stillwell City 161/69 kV	06/01/07	06/01/07	\$2,200,000			
524	Line - Stillwater - McElroy 138 kV	05/31/08	05/31/08	\$933,542			
524	Line - Tecumseh - 69 kV Ckt	11/30/07	11/30/07	\$540,855			
524	Line - Dewey - 138 kV Ckt	06/01/07	06/01/07	\$1,428,565			
524	Line - Maud - 138 kV Ckt	06/30/08	12/31/07	\$359,964			OGE Zonal/local Upgrade. Not for SPP reliability. OGE combined with another project at Maud in 2008
524	Line - Chitwood - Garber 138 kV	05/31/09	05/31/09	\$4,556,165			
524	Line - Russett - Springdale 138 kV Ckt 1	06/01/07	06/01/07	\$22,000			
524	Line - Vbi - 161 kV Ckt	02/28/08	12/31/07	\$128,460			OGE Zonal/local Upgrade. Not for SPP reliability. Delayed due to ice storm.
524	Line - 3rd St (Motorize Switches)	11/30/07	11/30/07	\$165,439			
524	Line - Ft. Smith (Motorize Switches)	01/31/08	12/31/07	\$105,852			OGE Zonal/local Upgrade. Not for SPP reliability. Delayed due to ice storm.
524	Line - Richards - Piedmont 138 kV	12/31/07	12/31/07	\$3,800,000			
524	Line - Stillwater - Morrison 138 kV	10/31/07	06/30/07	\$2,987,338			Project delayed to 10/31/07 due to scheduling & line clearance availability. Curtail generation at Sooner Power Plant as a mitigation plan.
524	Line - Wind Farm - Mooreland 138 kV	06/01/07	06/01/07	\$120,000			
524	Line - Osage - 138 kV Ckt	11/15/07	11/15/07	\$149,230			
524	XFR - KNOBHILL 138 to KNOBHILL 69	12/12/07	06/01/08	\$1,834,568			
524	Line - Igo - 161 kV Ckt	12/31/07	12/31/07	\$2,832,404			
524	Line - Igo - Razorback 69 kV	06/30/08	06/01/10	\$4,500,000			
524	Line - Oakgrove - 69 kV Ckt	12/31/07	12/31/07	\$312,570			
524	Line - Razorback - Short Mountain 69 kV	12/31/07	12/31/06	\$9,600,000			
525	Line - Sleeping Bear/Fort Supply	04/01/07	02/01/07	\$2,080,000	18 months		
525	Line - Windfarm - Mooreland 138 kV	08/01/07	06/01/07	\$750,000	18 months		
525	Line - Elmore - Wallville 69 kV	02/01/08	12/01/07	\$1,488,000	16 months		Project Under Construction, will be completed early 2008
526	XFR - Mustang Station N. 115 kV - Mustang Station 230 kV	06/22/07	06/01/08	\$3,000,000			
526	XFR - Artesia 115/69 kV	-	06/01/07	\$2,750,000		Cancelled	Autos ok until 2017 w/switching. Study completed. Recommend construction of Eagle Creek/Navajo Switching Station by summer 2010. Mitigates this problem, but also increases load serving capability for
526	XFR - Bailey Co 115/69 kV	04/01/07	06/01/06	\$2,476,344		Cancelled	
526	XFR - Terry Co 115/69 kV	04/02/07	06/01/06	\$2,375,000			
526	XFR - Terry Co 115/69 kV	11/30/07	06/01/07	\$2,375,000			
526	XFR - Hockley 115/69 kV	03/28/08	06/01/07	\$2,062,000	18 months		Transformer scheduled for April 2008. Mitigation Plan verified by SPP staff.
526	XFR - Hockley 115/69 kV	05/01/08	06/01/06	\$2,062,000	18 months		Mitigation Plan verified by SPP staff.
526	XFR - Hockley 115/69 kV	05/01/08	06/01/06	\$2,062,000	18 months		
526	XFR - Curry County Interchange 69 kV - Curry County Interchange 115 kV	06/01/10	06/01/07	\$1,000,000	18 months		Will convert North Clovis 69 kV distribution substation to 115 kV to prevent installing 2nd 115/69 kV autotransformer. Project has been budgeted. This project as proposed will not be pursued.
526	XFR - Gaines County Interchange 69 kV - Gaines County Interchange 115 kV	-	06/01/07	\$2,750,000		Cancelled	Mitigation Plan verified by SPP staff.
526	XFR - Roswell Interchange 115 kV - Roswell Interchange 69 kV	06/01/08	06/01/10	\$1,375,000	18 months		Studies will be conducted to further analyze 69 kV system - alternate solution will likely alleviate overload.
531	XFR - South Hays 230/115	10/01/07	10/01/07	\$2,000,000			
531	Line - Knoll 115 - S Hays 115/230 Conversion	10/01/07	10/01/07	\$3,525,000			
531	Line - Mullergren - S Hays 115/230 Conversion	10/01/07	06/01/07	\$1,310,000	6 months		
536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	01/31/08	06/01/07	\$2,032,500			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.
536	Line - Hesston - Golden Plain - Gatz 69 kV Rebuild	12/31/07	06/01/07				
536	Line - HTI Junction - Circleville 115 kV Rebuild	10/15/07	06/01/07	\$3,365,000			
536	XFR - Swissvale 345/230 kV #2 Addition	12/31/07	10/01/07	\$5,600,000			
539	Line - Greensburg - Judson Large 115 kV Ckt 1	11/20/07	06/01/07	\$148,000	4-6 months		
539	Line - Sun City - Medicine Lodge 115 kV	11/20/07	-	\$167,500			

Southwest Power Pool  
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540	Line - St. Joseph-Cooper 345 kV	06/07/07	06/01/07	\$125,000			
540	Line - St. Joseph-Fairport 345 kV	06/01/07	06/01/07	\$125,000			
540	Line - Martin City - Turner Road 161 kV	06/30/07	06/01/07	\$47,683			
540	Line - Lake Road to Industrial Park 161 kV	06/01/07	06/01/07	\$10,000	8- months		
540	Line - Nevada 161 - Nevada Plant 69 kV	10/01/07	10/01/06	\$536,000			
540	Line - Craig Interconnection	07/01/07	06/01/06	\$75,000			
540	Multi - Loma Vista 161kV - Montrose 161kV (North Raymore 161kV Substation)	08/15/07	10/15/07	\$4,080,500			
541	Line - Stilwell - Antioch 161 kV	05/25/07	06/01/07	\$2,116,400			
541	Multi - Pleasant Valley Sub	06/01/08	10/01/07	\$2,360,000	6 months		Zonal/local Upgrade - Not for SPP reliability. need for substation delayed to 2008, mitigation not needed
541	Multi - Pleasant Valley Sub	06/01/08	10/01/07				Zonal/local Upgrade - Not for SPP reliability. need for substation delayed to 2008, mitigation not needed
544	XFR - Sub 167 - Riverton 161/69 kV Ckt	06/22/07	06/01/07				
544	Line - Neosho - Sub 292 - Tipton Ford 161 kV Ckt	07/01/07	06/01/07	\$2,200,000			
544	Line - ReinMiller - Tipton Ford 161 kV	08/18/07	06/01/07	\$3,215,000			
<b>Year 2008</b>				<b>\$265,706,385</b>			
515	Line - Springfield - Brookline 161 kV	06/01/08	06/01/08	\$300,000			
515	XFR - NIXA 161/69	06/01/08	06/01/08	\$1,500,000			
515	Line - Brown - Brown 138kV	06/01/08	06/01/08	\$50,000			
520	Line - Snyder - Altus Junction 138 kV Ckt 1	06/01/08	06/01/13	\$16,760,000			
520		06/01/08	06/01/08				
520	Multi - Fayetteville 69 kV conversion	06/01/08	06/01/08	\$21,000,000			
520		06/01/08	06/01/08				
520		06/01/08	06/01/08				
520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	06/01/08	06/01/14	\$4,200,000	24 months		
520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	06/01/10	06/01/14	\$7,000,000	24 months		
520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	06/01/10	06/01/14	\$9,800,000	24 months		
520	Multi - Wallace Lake - Port Robson - RedPoint 138 kV	06/01/10	06/01/14	\$3,000,000	24 months		
520	Line - Northwest Texarkana-Bann T - Bann 138kV	06/01/08	06/01/08	\$25,000			
520	Line - Northwest Texarkana - Alumax Tap	06/01/08	06/01/07	\$2,160,000			On schedule for 6/1/08. SPP approved mitigation plan on 5/24/07.
520	Line - Alumax Tap - Bann	06/01/08	06/01/09	\$1,180,000			
520	Line - Chambers Spring - Tontitown 345 kV	05/01/08	06/01/07	\$14,405,000			Mitigation not required if Project completed before 08 Summer Peak.
520	Line - Elk City - Elk City 69 kV	06/01/08	06/01/07	\$100,000			On schedule for 6/1/08. SPP approved mitigation plan on 6/12/07.
520	Line - Bann - Kings Highway 69 kV	06/01/08	06/01/08	\$50,000			
520	Line - Cache - Snyder 138kV	06/01/08	06/01/08	\$73,348			
520	Line - Linwood to McWillie Street Rebuild	06/01/08	06/01/08	\$1,100,000			
520	Line - Ben Wheeler - Barton's Chapel (Rayburn) 138 kV Ckt 1	06/01/09	06/01/09		18 months		Rayburn Country Project. Rayburn confirm project In Service Date is 06/01/2009.
523	Line - 412 Sub - Kansas Tap 161 kV	06/08/08	06/01/13	\$2,971,180			
524	Multi - Earlywine	12/31/08	06/01/08				TO Zonal/local upgrade. Not for SPP reliability.
524	Multi - Earlywine	12/31/08	06/01/08	\$12,900,000			TO Zonal/local upgrade. Not for SPP reliability.
524	Multi - Earlywine	12/31/08	06/01/08				TO Zonal/local upgrade. Not for SPP reliability.
524	Multi - Earlywine	12/31/08	06/01/08				TO Zonal/local upgrade. Not for SPP reliability.
524	Line - Westmoore - Pennsylvania 138 kV	12/30/08	10/01/09	\$250,000			
524	Multi - Riverside - Pecan Creek - Muskogee 345 kV	06/01/08	06/01/08				
524	Multi - Riverside - Pecan Creek - Muskogee 345 kV	06/01/08	06/01/08	\$7,226,027			
524	XFR - Pecan Creek 345/161/13.8 kV	06/01/08	06/01/15		24 months		
525	Line - Hamon Butler - Morewood 69 kV	06/01/08	06/01/08	\$3,400,000	8 months		
525	Line - Sayre - Morewood 138 kV	06/01/08	06/01/08	\$12,000,000	24 months		
525	Line - Bradley - Rush Springs 69 kV	06/01/08	12/01/07	\$1,656,000	8 months		Mitigation Plan under review by SPP. Deferred in latest SPP Transmission Expansion Plan
525	Line - ACME - W Norman 69 kV	06/01/08	06/01/07	\$912,000	8 months		Mitigation Plan under review by SPP. Deferred in latest SPP Transmission Expansion Plan
525	XFR - Ft Supply 70 MVA	06/01/08	06/01/08	\$2,000,000	18 months		
526	Line - Amarillo South - Springdraw 115 kV	06/01/08	12/31/07	\$5,713,560	24 months		TO Zonal upgrade.
526	Line - Cox - Floyd 115 kV	07/25/08	06/01/10	\$9,898,838	28 months		
526	XFR - Kress 115/69 kV	06/20/08	06/01/08	\$1,250,000	18 months		Mitigation Plan verified by SPP staff.
526	XFR - Tuco Interchange 230/115 kV Ckt 2	06/01/08	06/01/08	\$7,978,726	24 months		
526	XFR - Nichols 230/115 kV	12/01/08	06/01/11	\$6,000,000	24 months		
526		06/01/08	06/01/07		18 months		Mitigation Plan verified by SPP staff.
526	XFR - Hale Co 115/69 kV	06/01/08	06/01/07	\$2,900,000	18 months		
526			06/01/07		18 months		Need 69 kV study - generator may defer, new load may require 115 kV. No switching available.
526	XFR - Carlsbad Interchange 115 kV - Carlsbad Interchange 69 kV		06/01/07	\$2,750,000	18 months		
526		06/01/08	06/01/07	\$1,375,000	18 months		Mitigation Plan verified by SPP staff.
526	XFR - Floyd Co 115/69 kV	06/01/08	06/01/07	\$1,556,906	18 months		
526	XFR - Lubbock East 115/69 kV	12/31/08	06/01/07	\$1,300,000	18 months		Mitigation Plan verified by SPP staff.
526	XFR - Lubbock East 115/69 kV	12/31/08	06/01/07	\$1,300,000	18 months		
526	XFR - Lubbock East 230/115 kV	01/31/08	06/01/07	\$3,000,000	24 months		

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTD Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
534	Line - Phillipsburg - Rhoades 115 kV Ckt 1	12/01/08	12/01/08	\$6,250,000			
536	Line - Gill Energy Center - Peck 69 kV Rebuild	06/01/08	06/01/08	\$4,315,000	12 months		TO Zonal/local upgrade. Not for SPP reliability. Project deferred.
536	Line - Murray Gill Energy Center - MacArthur 69 kV Uprate	06/01/08	06/01/08	\$150,000	8 months		
536	Line - Dearing - Coffeyville 69 kV Rebuild	06/01/08	06/01/08		7 months		
536	Line - Coffeyville - CRA 69 kV Rebuild	06/01/08	06/01/08	\$1,190,000	7 months		
536	Line - Stranger Creek - Thornton Street 115 kV Addition	12/01/08	06/01/07	\$2,960,000	12 months		Mitigation is interruption of demand in Leavenworth area; Project delay is due to routing difficulties at Stranger Creek substation taking into account the addition of the 2nd 345-115 kV transformer in 2009.
536	XFR - County Line 115/69 kV Replacement	07/31/08	06/01/07	\$2,860,000	14 months		
536	Line - Emporia Energy Center 345 kV Switchyard Connections	02/01/08	05/01/08	\$300,000			
536	Line - Chase - White Junction 69 kV Rebuild	07/01/08	07/01/08	\$2,400,000	8 months		
536	Line - Wichita - Reno County 345 kV Addition	12/01/08	07/01/09		12 months		
536	XFR - Reno County 345/115 kV #1 Addition	12/31/08	07/01/09	\$42,800,000	24 months		
536							
536							
536							
536	Multi - Hutchinson 115 kV conversion	12/01/08	06/01/06	\$572,000	20 months		
536							
536							
536							
536							
540	Line - Blue Springs - Duncan Road 161 kV	06/01/08	Deferred		12~18 months	Deferred	The project has been postponed since a new emergency rating of 275 MVA has been applied on the 161 kV line from Blue Spring East to Duncan Road. The conductor can sustain 100C degree for four hours under emergency. The project is Deferred beyond the planning horizon as per SPP Expansion Plan.
540	Line - Pope Lane to Smithville 161kV	06/01/08	06/01/08	\$4,550,000	12~18 months		
541	Multi - Lackman Sub	06/01/08	06/01/08				
541	Multi - Lackman Sub	06/01/08	06/01/08	\$138,200	6 months		
541	Line - Terrace - Boulevard 161 kV	06/01/08	11/01/08	\$4,352,600	10 months		
541	Line - Crosstown - Boulevard 161 kV	06/01/08	06/01/08	\$4,750,000			
544	Line - SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 1	06/01/08	06/01/08	\$20,000	6 months		
536	Line - Rose Hill - Sooner 345 kV	06/01/16	06/01/16	\$3,000,000	24 months		
544		12/31/08	06/01/10				
544	Multi - Riverdale - Ozarks 161 kV Ckt 1	12/31/08	06/01/10	\$14,057,000	30 months		
544		12/31/08	06/01/10				
544		12/31/08	06/01/10				
544		12/31/08	06/01/10				
<b>Year 2009</b>				<b>\$177,116,469</b>			
502	XFR - Cocodrie 230/138 kV	06/01/10	06/01/10	\$3,000,000	18 months		
520	Line - Riverside Station - Explorer Glenpool 138 kV Ckt 1	06/01/09	06/01/09	\$1,000,000			
523	XFR - Claremore 161/69 kV	06/01/09	05/30/11	\$6,000,000	24 months		
524	Line - Explorer Glenpool - Beeline 138 kV Ckt 1	06/01/09	06/01/09	\$200,000			
524	Line - Fort Smith - Colony 161 kV	06/01/09	06/01/10	\$2,137,500	12 months		
524	Line - Explorer Glenpool - Riverside Station 138 kV Ckt 1	06/01/09	06/01/09	\$400,000			
525	Line - Little Axe - Noble 69 kV	06/01/09	06/01/09	\$2,640,000	16 months		
526	Line - Bushland Interchange 115 kV - Northeast Hereford Interchange 115 kV	-	06/01/09	\$10,654,759	30 months		Exploratory project - not currently recommended. Better project to tap Potter-Roosevelt 345 kV and run 115 kV to Cargill. Will require additional analysis.
526	Multi - State Line 230/115 kV State Line-Graves 115kV and Graves XF	06/01/10	06/01/14	\$2,500,000	30 months		
526	Multi - State Line 230/115 kV State Line-Graves 115kV and Graves XF	06/01/10	06/01/14	\$4,374,496	30 months		
526	Multi - State Line 230/115 kV State Line-Graves 115kV and Graves XF	06/01/10	06/01/14	\$5,600,000	30 months		
526	Multi - Seven Rivers - Pecos -Potash 230 kV	06/01/09	06/01/09		30 months		
526	Multi - Seven Rivers - Pecos -Potash 230 kV	06/01/09	06/01/09	\$15,891,640	30 months		
526	Multi - Seven Rivers - Pecos -Potash 230 kV	06/01/09	06/01/09		30 months		
526	Multi - Seven Rivers - Pecos -Potash 230 kV	06/01/09	06/01/09		30 months		
526	XFR - Cochran 115/69 kV	12/31/08	06/01/08	\$2,750,000	18 months		Mitigation Plan verified by SPP staff.
526		12/31/08	06/01/08		18 months		
536	Line - Peck - Bell 69 kV	04/01/09	Deferred	\$2,800,000	18 months	Deferred	Mitigation not required since project deferred beyond planning horizon as per 2007 Expansion Plan
536	Line - Jarbalo - 166th Street 115 kV Rebuild	06/01/09	06/01/09		18 months		
536	Line - 166th - Jaggard Junction 115 kV Rebuild	06/01/09	06/01/09	\$9,440,000	18 months		
536	Line - Jaggard Junction - Pentagon 115 kV Rebuild	06/01/09	06/01/09		18 months		
536		06/01/09	06/01/09		18 months		
536	Line - Evans - Grant - Chisolm Rebuild and Conversion Project	06/01/09	06/01/09	\$12,774,074	18 months		
536		06/01/09	06/01/09		18 months		
536		06/01/09	06/01/09		18 months		
536		06/01/09	06/01/09		18 months		
536	Line - Tap Emporia Energy Center in/out of Lang - Swissvale 345 kV	05/01/09	-	\$500,000			
536	Line - Gill Energy Center East - Gill Energy Center Jct 69 kV Rebuild	06/01/09	06/01/09	\$1,250,000	18 months		
536	Line - King Hill - Kelly 115 kV Rebuild	06/01/09	06/01/09	\$3,250,000	18 months		
536	Line - SW Lawrence - Wakarusa 115 kV Rebuild	06/01/09	06/01/09	\$1,400,000	18 months		
536	Line - Reno County - Summit 345 kV Addition	12/01/09	01/01/11				
536	XFR - Reno County 345/115 kV #2 Additior	12/01/09	01/01/11	\$42,800,000	24 months		

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
536	Line - Rose Hill - Sooner 345 kV	12/01/10	06/01/16	\$10,000,000	24 months		
536	XFR - Dearing 138/69 kV #2 Addition	06/01/11	06/01/09	\$1,700,000	18 months		
536	XFR - Stranger Creek 345/115 #2 Addition	06/01/09	06/01/09	\$8,000,000	24 months		
539	Line - Spearville - Judson Large 115 kV Ckt 2	06/01/10	06/01/09	\$8,310,000	12 months		TO Zonal/local upgrade. Not for SPP reliability.
539	XFR - Spearville 230/115kV	06/01/10	06/01/09	\$4,800,000	6 months		TO Zonal/local upgrade. Not for SPP reliability.
540	Multi - 161kV Tap of Nashua to Liberty West	06/01/09	06/01/09	\$1,260,000	12~18 months		
540	Multi - 161kV Tap of Nashua to Liberty West	06/01/09	06/01/09		12~18 months		
540	Line - Freeman - Anaconda 69 kV	06/01/09	06/01/09	\$20,000	3~9 months		
540	Multi - 161kV Tap of Platte City to Stranger Creek	06/01/09	06/01/09	\$7,127,000	12~18 months		
540	Multi - 161kV Tap of Platte City to Stranger Creek	06/01/09	06/01/09		12~18 months		
540	Line - Iatan - Platte City 161 kV Ckt 1	06/01/08	06/01/09	\$1,050,000	6~12 months		
540	Line - Longview - Sampson 161 kV	06/01/09	06/01/09	\$1,250,000	12~18 months		
540	Line - Sampson - Grandview East 161 kV	06/01/09	06/01/09	\$1,250,000	12~18 months		
541	Line - Craig - Lenexa 161 kV	06/01/09	06/01/09	\$192,000	6 months		
544	Line - SUB 124 - AURORA H.T. - SUB 383 - MONETT 1	06/01/09	06/01/11	\$5,000	6 months		
544	Line - SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 1	06/01/09	06/01/09	\$5,000	6 months		
544	Line - Sub 145 - Joplin West 7th - Sub 341 - Joplin NorthWest	06/01/08	06/01/09	\$780,000	12 months		
544	Line - Sub 389 - Joplin Southwest - Sub 422 - Joplin 24th & Connecticut	06/01/09	06/01/09	\$5,000	6 months		
<b>Year 2010</b>				<b>\$159,806,200</b>			
151	Line - Grandview - Osage	06/01/11	06/01/09	\$6,000,000	36 months		Reliability project not under SPP Tariff.
151	Line - Mt. Ida - Milton	-	06/01/10	\$15,000,000		Deferred	Mt. Ida Cap Bank is being contemplated - no firm in service date. Mt. Ida - Milton not in construction plan through 2010. Indefinitely Deferred
502	Line - Bayou Rapides to Twin Bridges 138 kV	01/01/08	06/01/10	\$7,500	1 month		
515	Line - BULL SHOALS - BULL SHOALS 161KV	06/01/10	06/01/10	\$2,000,000			
520	XFR - Duncan - Duncan 138kV	06/01/10	06/01/10	\$1,800,000			
520	Line - Valliant Substation - Install 345 kV terminal equipment	05/01/10	05/01/10	\$2,500,000			
520	Line - Clinton City Wave Trap	06/01/10	06/01/10	\$75,000			
520	XFR - Centerton 345/161 kV	06/01/10	06/01/10	\$9,500,000			
520	Line - Bainford Tap - Bainford 161 kV	06/01/10	06/01/10	\$1,100,000			
520	Line - Carthage - Rock Hill	06/01/10	06/01/10	\$650,000			
520	Line - Daingerfield - Jenkins Rec T	06/01/10	06/01/10	\$250,000			
520	Line - Flint Creek - East Centerton 345 kV	06/01/10	06/01/10	\$23,685,000			
523	Multi-Kansas Tap - Siloam City 161KV	06/01/10	06/01/13	\$4,212,500	24 months		
523	Multi-Kansas Tap - Siloam City 161KV	06/01/10	06/01/13	\$1,700,000	24 months		
524	Line - Fitzhugh - Helberg 161 kV	06/01/10	06/01/10	\$1,416,000			
524	Line - Great Lakes Carbon - Altus 161 kV	06/01/10	06/01/10	\$543,000			
524	Line - Altus - Fitzhugh 161 kV	06/01/10	06/01/10	\$660,000			
524	Line - Igo - Noark 161 kV	06/01/10	06/01/10	\$2,994,000			
524	Line - Little Spadra - Igo 161 kV	06/01/10	06/01/10	\$2,112,000			
524	Line - Noark - Great Lakes Carbon 161 kV	06/01/10	06/01/10	\$522,000			
524	Line - Park Lane - Ahlosop Tap 69 kV	06/01/10	06/01/10	\$50,000			
524	Line - Razorback - Igo 161 kV	06/01/10	06/01/10	\$2,973,000			
524	Line - Razorback - Short Mountain 161 kV	06/01/10	06/01/10	\$500,000			
524	Line - Short Mountain - Branch 161 kV	06/01/10	06/01/10	\$3,231,000			
525	Line - Valiant - Hugo 345 kV	05/01/10	05/01/10	\$11,000,000	24 months		
525	XFR - Valiant 345/138 kV	05/01/10	05/01/10	\$5,000,000	24 months		
526	XFR - Yoakum County Interchange 115 kV - Yoakum County Interchange 230 kV	-	06/01/10	\$3,000,000	24 months		
531	Multi - Knoll -Hays -Vine	06/01/10	06/01/10	\$536,000	18 months		
531		06/01/10	06/01/10		18 months		
531		06/01/10	06/01/10		18 months		
534	Line - Scott City - Manning Tap 115 kV	01/01/13	06/01/10	\$1,500,000			TO currently analysing the need for the project. TO Zonal/local upgrade. Not for SPP reliability
536	Line - Halstead - Mud Creek Junction 69 kV Rebuild	06/01/10	06/01/10	\$2,500,000	12 months		
536	Line - Oaklawn - Oliver 69 kV Rebuild	06/01/10	06/01/10	\$483,000	12 months		
536	Line - 95th & Waverly - Captain Jct 115 kV Rebuild	06/01/10	06/01/10	\$2,600,000	18 months		
536	Line - Circle - HEC GT 115 kV Rebuild	06/01/10	06/01/10	\$300,000	18 months		
536	Line - Circleville - King Hill 115 kV Rebuild	06/01/10	06/01/10	\$5,200,000	18 months		
536	XFR - Weaver 138/69 kV #2 Addition	06/01/10	06/01/10	\$1,200,000	18 months		
536	Line - Lawrence Energy Center Unit 4 - Jarbalo 115 kV Rebuild	06/01/10	06/01/10	\$1,300,000	12 months		
536	Line - Reno(Circle)-Moundridge Project Rebuild	06/01/10	06/01/10	\$5,800,000	12 months		
536	Line - Mid-American Junction - Newton 69 kV Rebuild	06/01/10	06/01/10	\$1,300,000	12 months		
536	Line - Mud Creek Junction - Mid-American Junction 69 kV Rebuild	06/01/10	06/01/10	\$360,000	12 months		
536	Line - Tecumseh Hill - Stull Tap 115 kV Rebuild	06/01/10	06/01/10	\$3,300,000	18 months		
536	Line - Reno(Circle)-Moundridge Project Rebuild	06/01/10	06/01/10	\$1,700,000	18 months		
540	Line - Ritchfield - Sibley 161 kV	06/01/10	06/01/10	\$1,250,000	12~18 months		

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Projec Status	Project Status Comments
540	Line - Lone Jack - Greenwood 161 kV	06/01/10	06/01/10	\$1,600,000	24 months		
540	Line - Hallmark - Ritchfield 161 kV	06/01/10	06/01/10	\$1,250,000	12~18 months		
540	Line - Nevada Plant - Nevada Tap 69 kV	06/01/10	06/01/10	\$711,000		Cancelled	TO planned project.
540	Line - Warrensburg Plant - Warrensburg East 69kV	Deferred	Deferred	\$2,422,500	12~18 months	Deferred	TO Zonal/local Upgrade. Deferred beyond planning period by TO. Not by SPP Expansion planning.
541	Line - Hillsdale - Cedar Niles 161 kV	06/01/12	06/01/10	\$5,418,700	24 months		TO Zonal/local upgrade. Not for SPP reliability. Delayed 2 year; mitigation not needed
541	Line - North Louisburg - Middle Creek 161 kV	06/01/11	06/01/10	\$12,179,000	24 months		TO Zonal/local upgrade. Not for SPP reliability.
544	Line - SUB 184 - NIOSHO SOUTH JCT. - Neosho (SWPA) 161 kV	06/01/10	06/01/10	\$1,215,000	12 months		
546	XFR - SWPS Bus - SWPS #2 161 kV	10/01/10	10/01/10	\$3,200,000	24 months		
<b>Year 2011</b>				<b>\$84,549,711</b>			
130	XFR - Luther 138/69/13.8 #2	-	06/01/11	\$672,000		Cancelled	Project is cancelled. Plan is to now move Luther 69 kV load to 138 kV in 2009.
151	Line - Murfreesboro - Gum Springs 115	-	12/01/11				
520	Line - Hope - Fulton 115 kV	06/01/11	06/01/11	\$100,000			
520	Line - North Market - Arsenal Hill	06/01/11	06/01/11	\$2,300,000			
520	Line - North Mineola - Mineola	06/01/11	06/01/11	\$350,000			
524	Line - 3rd St 69 kV	06/01/11	06/01/11	\$100,000			
524	Line - Ada OC Pump - Ada OC Pump Tap 69 kV	06/01/11	06/01/11	\$1,640,000	24 months		
524	Line - Muldrow to 3rd St 69 kV	06/01/11	06/01/11	\$100,000			
525	Line - Anadarko - Cyril 69 kV	06/01/11	06/01/11	\$3,120,000	16 months		
525	XFR - Anadarko 138/69 kV	06/01/11	06/01/11	\$2,000,000	12 months		
525	XFR - Franklin SW 138/69 kV	06/01/11	06/01/11	\$1,800,000	12 months		
526	XFR - Crosby County Interchange 69 kV - Crosby County Interchange 115 kV	-	06/01/07	\$1,426,786	18 months		Studies will be conducted to further analyze 69 kV system.
526	Multi - Kress interchange	-	06/01/11	\$6,000,000	24 months		Exploratory project - still under study.
526	Multi - Kress interchange	-	06/01/11	\$9,053,875	24 months		Exploratory project - still under study.
534	Line - Holcomb - Plymell 115 kV	01/01/13	06/01/11	\$1,980,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	Line - Manning Tap - Dighton Tap 115 kV	01/01/13	06/01/11	\$2,100,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	Line - Holcomb - Fletcher 115 kV	01/01/13	06/01/11	\$1,500,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	Line - Dighton Tap - Beeler 115 kV	01/01/13	06/01/11	\$3,150,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	Line - Beeler - Ness City 115 kV	01/01/13	06/01/11	\$1,800,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	Line - Plymell - Pioneer Tap 115 kV	01/01/13	12/01/10	\$2,380,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
534	XFR - Spearville 345/230 kV	01/01/13	06/01/11	\$4,500,000			TO currently analysing the need for the project.TO Zonal/local upgrade. Not for SPP reliability.
536	Line - Liberty - CRA 115 kV Uprate	06/01/11	06/01/11	\$75,000	18 months		
536	XFR - Lawrence Hill 230/115 kV #2 Addition	06/01/11	06/01/11	\$4,500,000	18 months		
536	Line - Gill Energy Center - Oatville 69 kV	06/01/11	06/01/11	\$920,000	18 months		
536	Line - Tecumseh - Tecumseh Hill 115 kV Rebuild	06/01/11	06/01/11	\$90,000	18 months		
536	Line - Creswell - Oak 69 kV	06/01/11	06/01/13	\$2,000,000	18 months		
541	XFR - Paola 345/161 kV	-	06/01/11	\$16,925,000		Cancelled	project cancelled; replaced by West Gardner transformer upgrade project; 6/1/08; \$5,000,000
541	Line - College - Craig 161 kV	06/01/09	06/01/11	\$1,193,400	24 months		
541	Line - Paola - Middle Creek 161 kV	06/01/11	06/01/11	\$2,622,850	18 months		
541	Multi - Waldron Sub	06/01/13	06/01/11	\$1,632,300	18 months		TO Zonal/local upgrade. Not for SPP reliability.
541	Multi - Waldron Sub	06/01/13	06/01/11				TO Zonal/local upgrade. Not for SPP reliability.
541	Line - Hillsdale - Lackman 161 kV	06/01/14	06/01/11	\$3,553,000	18 months		TO Zonal/local upgrade. Not for SPP reliability.
541	Line - Stilwell - BUCYRUS 161 kV	06/01/11	06/01/11	\$12,000	6 months		
541	Line - Cedar Niles - Quarry 161 kV	06/01/12	06/01/10	\$3,756,500	24 months		TO Zonal/local upgrade. Not for SPP reliability.
544	Line - Monett City South - Monett City East 69 kV	06/01/11	06/01/11	\$275,000	12 months		
546	Line - Kickapoo - Sunset 69 kV	06/01/11	06/01/11	\$829,000	24 months		
546	Line - Golden - Springfield 69kV	06/01/11	06/01/11	\$46,500	24 months		
546	Line - Golden - Springfield 69kV	06/01/11	06/01/11	\$46,500	24 months		
<b>Year 2012</b>				<b>\$54,017,514</b>			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$6,000,000			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$5,300,000			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$180,000			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$2,500,000			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$2,300,000			
520	Multi - Bonanza - North Huntington 69kV	06/01/12	06/01/12	\$1,000,000			
520	Multi - Flint Creek - E Centerton 161 kV	-	06/01/15	\$15,200,000			
520	Line - Forest Hills - Quitman 69 kV	06/01/12	06/01/12	\$100,000			
520	Line - Canton - Starr 138kV	-	Deferred	\$3,600,000		Deferred	Project deferred beyond the planning horizon as per 2007 Expansion Plan.
526	LINE - Pringle Interchange 115 kV - Etter Rural Sub115 kV	-	06/01/12	\$10,912,514	30 months	Cancelled	Project cancelled and not being pursued - Alternate projects being pursued.
541	Line - Sunflower - West Gardner 161 kV	-	06/01/12	\$3,000,000	24 months		TO Zonal/local upgrade. Not for SPP reliability.
544	Line - SUB 64 - JOPLIN 10TH ST. - SUB 145 - JOPLIN WEST 7TH	06/01/12	06/01/12	\$55,000	6 months		
544	Line - Jamesville - SUB 415 - BLACKHAWK JCT. 1	06/01/12	06/01/12	\$50,000	6 months		
541	Line - Quarry - Clare	06/01/13	06/01/12	\$1,385,000	18 months		TO Zonal/local upgrade. Not for SPP reliability.
546	Line - Southwest - Brookline 161 kV	06/01/12	06/01/12	\$450,000	24 months		
546	Line - Southwest - Southwest Disposal 161 kV	06/01/12	06/01/12	\$175,000	24 months		

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
546	Line - Southwest Disposal - Battlefield 161 kV	06/01/12	06/01/12	\$675,000	24 months		
546	Line - James River - Twin Oaks 69 kV	06/01/12	06/01/12	\$1,135,000	24 months		
<b>Year 2013</b>				<b>\$153,978,490</b>			
520	Line - Bann - Lonestar Ordinance Tap 69kV	06/01/13	06/01/13	\$25,000			
520	Line - Greggton - Lake Lamond 69 kV	06/01/13	06/01/13	\$1,496,000			
520	Line - Dyess - Elm Springs REC 161 kV	06/01/13	06/01/13	\$300,000	12 months		
520	Line - Winnsboro - Magnolia Tap 69kV	06/02/13	06/01/13	\$250,000			
520	Multi - Diana - Barton's Chapel kV	-	Deferred	\$6,000,000		Deferred	Project deferred beyond the planning horizon as per 2007 Expansion Plan.
520	Multi - Diana - Barton's Chapel 345kV	06/01/13	06/01/13	\$96,000,000	60 months		
524	Line - Ratliff 69 kV	06/01/13	06/01/13	\$75,000			
544	Line - SUB 436 - WEBB CITY CARDINAL - SUB 110 - OROGONO JCT. 1	06/01/13	06/01/13	\$400,000	12 months		
524	Line - Earlsboro - Fixico 69 kV	06/01/13	06/01/13	\$150,000	8 months		
524	Line - Wildhorse - Ratliff 69 kV	06/01/13	06/01/13	\$75,000	8 months		
524	Line - HSL East - HSL West 69 kV	06/01/13	06/01/13	\$250,000			
526	Multi - N. Amarillo - Hasing - Van Buren 69kV	-	06/01/13	\$391,100	30 months		Not recommended project - need to convert north Amarillo 69 kV loop to 115 kV instead.
526	Multi - N. Amarillo - Hasing - Van Buren 69kV	-	06/01/13		30 months		Not recommended project - need to convert north Amarillo 69 kV loop to 115 kV instead.
526	Multi - Potter County - Roosevelt 345 kV 230/345 kV transformer	-	06/01/13		36 months		
526	Multi - Potter County - Roosevelt 345 kV 230/345 kV transformer	-	06/01/13	\$38,504,390	36 months		
526	XFR - Roosevelt County Interchange 115 kV - Roosevelt County Interchange 230 kV	06/01/13	06/01/13	\$2,750,000	24 months		
536	Line - 64th - Minneha 69 kV Rebuild	06/01/13	06/01/13	\$680,000	18 months		
536	Line - Eastborough - Minneha 69 kV Rebuild	06/01/13	06/01/13	\$207,000	18 months		
536	Line - Mockingbird - Stull Tap 115 kV Rebuild	06/01/13	06/01/13	\$2,200,000	18 months		
536	XFR - Altoona XFR Outage Project Replacement	06/01/13	06/01/13	\$825,000	18 months		
536	XFR - Halstead 138/69 kV #4 Replacement	06/01/13	06/01/13	\$1,700,000	18 months		
536	XFR - Liberty 138/69 kV #2 Additor	06/01/13	06/01/13	\$1,700,000	18 months		
<b>Year 2014</b>				<b>\$83,631,966</b>			
520	Line - Big Sandy - Perdue 69kV	06/01/14	06/01/14	\$2,700,000	18 months		
520	Line - Coffeyville Tap - Dearing - 138 kV	06/01/10	06/01/10	\$1,473,750	24 months		
520	XFR - Weatherford Southeast - Weatherford Southeast 138kV	06/01/14	06/01/14	\$1,800,000	18 months		
520	Line - Howell - Kilgore 69kV	06/01/14	06/01/14	\$2,000,000	18 months		
520	Multi - Siloam Springs - South Fayetteville 69kV	06/01/14	06/01/14	\$3,600,000			
520	Multi - Siloam Springs - South Fayetteville 69kV	06/01/14	06/01/14	\$5,200,000			
520	Multi - Siloam Springs - South Fayetteville 69kV	06/01/14	06/01/14	\$11,000,000			
526	Line - Curry - Bailey 115kV	-	06/01/14	\$11,148,185	30 months		
526	Line - San Andress Sub 115 kV - Mustang Station S. 115 kV	-	06/01/14	\$1,742,892	30 months		
536	Line - Gill - Interstate 138 kV Uprate	06/01/14	06/01/14	\$50,000	18 months		
536	Line - Reset CTs on Moundridge - Newton 69 kV	06/01/14	06/01/14	\$20,000	18 months		
536	XFR - Rose Hill 345/138 kV #3 Addition	06/01/11	06/01/14	\$5,000,000	24 months		
536	Line - Sooner - Rose Hill 345 kV Addition	12/01/10	06/01/16	\$27,500,000	48 months		
544	Line - SUB 217 - FAIRPLAY EAST - SUB 602 - BOLIVAR PLANT 1	06/01/14	06/01/14	\$2,636,153	18 months		
544	Line - SUB 368 - DADEVILLE EAST - SUB 217 - FAIRPLAY EAST	06/01/14	06/01/14	\$1,660,986	18 months		
544	Multi - Sub 170 - Nichols St. - SUB 359 - REPUBLIC EAST	06/01/14	06/01/14				
544	Multi - Sub 170 - Nichols St. - SUB 359 - REPUBLIC EAST	06/01/14	06/01/14	\$4,550,000	18 months		
544	Line - SUB EXPLORER SPRING CITY TAP - SUB 389 - JOPLIN SOUTHWEST 1	06/01/14	06/01/14	\$1,550,000	12 months		
<b>Year 2015</b>				<b>\$53,251,443</b>			
520	Line - Snyder - Snyder 138kV	06/01/15	06/01/15				
520	Line - Quitman - Westwood 69kV	06/01/15	06/01/15	\$1,600,000			
520	Line - East Centerton - Bentonville 69kV	06/01/15	06/01/15	\$1,300,000	54 months		
520	Multi - Woodlawn - Baldwin - Karnack Tap	06/01/15	06/01/15				
520	Multi - Woodlawn - Baldwin - Karnack Tap	06/01/15	06/01/15	\$6,000,000			
520	Line - Maud - Fixico Tap	06/01/15	06/01/15	\$8,900,000	24 months		
524	Line - Russet to Glasses 138 kV	06/01/15	06/01/15	\$150,000			
525	Line - Cyril to Medicine Park Jct	06/01/15	06/01/15	\$750,000	16 months		
526	Line - Roosevelt County Interchange 115 kV - Curry County Interchange 115 kV	12/01/10	06/01/12	\$200,000	30 months		
526	XFR - Chaves 230/115 kV	06/01/15	06/01/15	\$3,000,000	24 months		
526	Multi - Hale Co -- LH Cox Interchange -- Cox Interchange 115 kV	-	06/01/15	\$4,522	30 months		
526	Multi - Hale Co -- LH Cox Interchange -- Cox Interchange 115 kV	-	06/01/15	\$890,921	30 months		
531	Line - Hutchinson Energy Center - Huntsville - St. John 115 kV Rebuild	06/01/15	06/01/15	\$7,965,000	9 months		
531	Line - Hutchinson Energy Center - Huntsville - St. John 115 kV Rebuild	06/01/15	06/01/15	\$8,637,000	9 months		
536	Line - Chapman - Clay Center 115 kV Uprate	06/01/15	06/01/15	\$10,000	12 months		
536	Line - Lawrence Hill - Wren 115 kV Rebuild	06/01/15	06/01/15	\$1,400,000	18 months		
536	Multi - Litchfield - Aquarius - HudsonJct. 69 kV Uprate	06/01/15	06/01/15				
536	Multi - Litchfield - Aquarius - HudsonJct. 69 kV Uprate	06/01/15	06/01/15	\$30,000	12 months		

Southwest Power Pool  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Projec Status	Project Status Comments
536	Multi-Fort Scott-AECI tie	06/01/15	06/01/15	\$3,000,000	18 months		
539	Line - Greenleaf - Clay Center 115 kV	06/01/15	06/01/15	\$7,520,000	12 months		
541	Line - Avondale- Gladstone 161 kV	06/01/12	06/01/15	\$13,000	6 months		
546	Line - Norton - NEERGRD 69 kV	06/01/15	06/01/15	\$1,881,000	24 months		
<b>Year 2016</b>				<b>\$107,527,741</b>			
520	Line - Lone Star South - Pittsburg 138kV	06/01/16	06/01/16	\$300,000			
520	Line - Evenside - Northwest Henderson 69 kV	06/01/16	06/01/16	\$200,000			
520	Line - Northwest Henderson - Poynter 69kV	06/01/16	06/01/16	\$1,800,000			
523	Xfr - Wagoner 161/69 kV	06/01/16	06/01/16	\$2,786,894	24 months		
523	Line - Maid - Pryor Foundry South	06/01/16	06/01/16	\$370,530	12 months		
523	Line - Maid - Redden	06/01/16	06/01/16	\$370,530	12 months		
524	Line - Park Lane 138 kV	06/01/16	06/01/16	\$500,000	12 months		
524	Line - Canadian- Cedar Lane 138 kV	06/01/16	06/01/16	\$12,637			
524	Line - Osage - Continental Blacks 69 kV	06/01/16	06/01/16	\$200,000	24 months		
524	Line - Kilgore - VBI 69 kV	06/01/16	06/01/16	\$90,000			
524	Line - Sooner - Rose Hill 345 kV	12/31/10	06/01/16	\$45,000,000			
525	XFR - Paoli 138 kV/69 kV Xfmr	06/01/16	06/01/16	\$1,500,000	12 months		
525	Line - Fletcher - Marlow Jct 69 kV	06/01/16	06/01/16	\$2,000,000	16 months		
526	XFR - Lynn County 115/69 kV 3rd XF	06/01/16	06/01/16	\$1,375,000	18 months		
526	Line - Lyntegar REC-Brownfield 69 kV - Terry County Interchange 69 kV	06/01/16	06/01/16	\$1,420,000	30 months		
526	XFRM - TUCO Interchange345/115 KV XF	06/01/16	06/01/16	\$10,318,679	30 months		
536	Line - Mead - Plaza 69 kV Uprate	06/01/16	06/01/16	\$60,000	12 months		
541	Line - Northeast - Crosstown 161 kV	06/01/16	06/01/16	\$650,000		Cancelled	project no longer needed; no longer problem in Aggregate Study
544	Line - SUB 109 - ATLAS JCT. - SUB 108 - CARTHAGE NORTHWEST 1	06/01/16	06/01/16	\$1,277,935	18 months		
544	Line - SUB 152 - MONETT H.T. - SUB 383 - MONETT	06/01/16	06/01/16	\$425,000			
544	Line - SUB 281 - BAXTER SPRINGS 12TH ST. - SUB 406 - RIVERTON SOUTH	06/01/16	06/01/16	\$5,000	6 months		
544	Line - SUB 383 - MONETT 161kV - MONETT 5 161kV	06/01/16	06/01/16	\$7,369,319	48 months		
544	Line - SUB 59 - JOPLIN 26TH ST. - SUB 258 - GATEWAY SOUTH	06/01/16	06/01/16	\$3,770,000	36 months		
544	XFR - MONETT 5 161kV - Monett City South 69kV	06/01/16	06/01/16	\$8,000,000	36 months		
544	XFR - JOPLIN 59 161 kV - SUB 59 - JOPLIN 26TH ST. 69kV	06/01/16	06/01/16	\$9,200,000	48 months		
544	Line - JOPLIN 59 - SUB 439 STATELINE	06/01/16	06/01/16	\$7,182,217	48 months		
546	Line - Brookline - Junction	06/01/16	06/01/16	\$1,344,000	24 months		
<b>Year 2017</b>				<b>\$891,000</b>			
540	Line - Clinton 161 - Clinton Green St 69 kV	06/01/17	06/01/10	\$441,000	12 months		TO Zonal/local upgrade. Not for SPP reliability.
540	Line - Clinton 161 - Clinton Plant 69 kV	06/01/17	06/01/10	\$450,000	12 months		TO Zonal/local upgrade. Not for SPP reliability.
<b>Year 2020</b>				<b>\$150,073,217</b>			
525	Line - SPEARVILLE - Mooreland 345	05/01/15	05/01/15	\$5,000,000	24 months		
525	Line - SPEARVILLE - Mooreland 345	05/01/15	05/01/15	\$29,000,000	36 months		
534	Line - SPEARVILLE - Mooreland 345	07/12/15	05/01/15	\$43,000,000			
525	Line - Mooreland 345 - Potter County Interchange 345 kV	06/01/15	06/01/15	\$2,500,000	24 months		
526	Line - Mooreland 345 - Potter County Interchange 345 kV	-	Deferred	\$61,850,000	36 months	Deferred	Project name should be Mooreland - TUCO. Required only by June 2020 as per 2007 Expansion Plan. Status
526	XFR - Potter County Interchange 345 kV - Potter County Interchange 230 kV - Potter Co	06/01/15	06/01/15	\$8,723,217	30 months		

\$2,679,913,741  
\$870,520

## SPP 1st Quarter 2008 Project Tracking Report - Device

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

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
<b>Year 2006</b>				<b>\$7,329,186</b>			
520	Device - Arsenal Hill	06/01/06	06/01/06	\$432,000			
520	Device - Catosa	06/01/06	06/01/06	\$394,000			
524	Device - Chickasaw	07/31/06	07/31/06	\$455,263			
524	Device - Caney Creek	12/31/06	06/01/11	\$532,263			
534	Device - Ruleton3	12/31/06	12/31/06	\$500,000			
536	Device - Mulbery	03/31/06	02/02/06	\$324,960			
536	Device - Clearwater	12/31/06	12/31/06	\$490,700			
539	Device - East Liberal	09/01/06	06/01/06	\$600,000			
539	Device - Plainville	10/01/06	06/01/05	\$3,000,000			
540	Device - Warrensburg East	08/01/06	06/01/06	\$600,000			
<b>Year 2007</b>				<b>\$12,696,513</b>			
502	Device - Many	06/01/08	06/01/07	\$200,000	12 months		Reliability Project Not Under SPP Tariff.
502	Device - Natchitoches	06/01/09	06/01/10	\$0	2 months		This project will change from adding a cap bank at Clarence to increasing the No-load tap at Clarence to 2.5% boost and letting the Natchitoches LTC adjust for the distribution system. SPP Reliability project.
520	Multi - Tulsa Project	07/01/07	06/01/07	-			
520	Multi - Tulsa Project	07/01/07	06/01/07	-			
524	Device - Various	12/31/07	12/31/07	\$3,711,300			
524	Device - Osage	12/01/07	12/01/07	\$336,089			
524	Device - Woodring	12/31/07	12/31/07	\$336,089			
525	Device - Rush Springs 69 kV	06/01/08	06/01/06	\$90,000	8 months		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.
525	Device - Snyder	12/01/07	04/01/07	\$100,000	12 months		
525	Device - Pink Southwest 138 kV	12/01/07	04/01/07	\$216,000	12 months	Cancelled	WFEC will build Meeker to Hammett 138kV line in lieu of capacitor bank at Pink SW. Project for SPP Reliability. Not required as per 2007 Expansion Plan.
526	Device - Carlisle Interchange	01/01/07	06/01/07	\$571,983			
526	Device - Chaves County Interchange	04/01/08	11/01/07	\$500,000			Construction underway - work depends on getting bus outages. TO zonal/local upgrade. Not for SPP Reliability
526	Device - Bowers	11/01/07	06/01/08	\$300,000			
526	Device - Lubbock South Interchange	05/18/07	06/01/07	\$584,165			
526	Device - LC SOL	-	06/01/13	\$311,040			Substation belongs to Lamb County Cooperative, not SPS. Needs additional analysis. SPP Staff established contact and currently under discussion with project owner.
526	Device - San Andress Sub	-	Deferred	\$750,000		Deferred	Needs further analysis - Seminole project may mitigate. Project deferred beyond the planning horizon as per 2007 Expansion plan.
536	Device - UDALL 2	01/31/07	12/31/06	\$376,847			
536	Device - Wathena	06/30/07	06/01/12	\$525,000	18 months		
536	Device - NE Parsons	12/31/07	06/01/07	\$1,000,000	14 months		
536	Device - Parsons	12/31/07	06/01/07	\$525,000	14 months		
540	Device - St Joe 161 kV 50 MVAR cap	10/01/07	10/01/07	\$500,000			
540	Device - Nashua 161 kV 50 MVAR cap	10/01/07	10/01/07	\$500,000			
541	Device - South Waverly	10/01/07	06/01/07	\$713,000			
546	Device - Sunset	06/01/07	06/01/07	\$550,000	24 months		
<b>Year 2008</b>				<b>\$14,575,673</b>			
525	Device - Comanche	06/01/08	06/01/07	\$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.
525	Device - Cashion 69 kV	06/01/08	06/01/07	\$108,000	8 months		
526	Device - Cox Interchange	12/01/08	06/01/13	\$400,000	24 months		
526	Device - Tuco Interchange	02/01/08	06/01/07	\$1,251,333	24 months		Shunt Capacitors at TUCO - On track for 02/01/2008. (Mitigation not required if Project completed before 08 Summer Peak)
526	Device - Bailey Co Earth	-	06/01/13	\$311,040	24 months		BC-Earth is not our station - owned by Bailey Co. Electric Cooperative. SPP Staff established contact and currently under discussion with project owner.
526	Device - Tuco Interchange	06/01/08	06/01/08	\$10,240,300	24 months		

Southwest Power Pool Inc  
Project Tracking Report

SPP Area	Project Name	In-Service Date	RTO Reliability Need Date	Cost Estimate	Project Lead Time	Project Status	Project Status Comments
536	Device - Nortonville 69 kV Cap	12/31/08	06/01/07	\$715,000	18 months		
536	Device - Sunset 69 kV Cap	12/31/08	Deferred	\$1,200,000	18 months	Deferred	Mitigation not required if Project completed before 08 Summer Peak.LOA received by Westar 2 February 2007 with required date 1 June 2007.Project deferred beyond the planning horizon as per 2007 Expansion Plan.
<b>Year 2009</b>				<b>\$2,624,850</b>			
523	Device - Newport 69 kV	06/01/09	06/01/11	\$311,040	18 months	Cancelled	Replaced by 22 Mvar cap bank at Afon 69kV station. Afon Project will be added to 2008 2nd Quarter Project Tracking workbook.
523	Device - Pyramid Corners	06/01/09	06/01/11	\$155,520			Northeastern Oklahoma Rural Coop responsibility. SPP staff established contact with project owner.
523	Device - Tahlequah City #1	06/01/09	06/01/13	\$67,195			
523	Device - Tahlequah City #2	06/01/09	06/01/13	\$67,195			
540	Device - Clinton	06/01/08	06/01/09	\$750,000		Cancelled	This project is Cancelled. Alternative solution to add the second tie with Clinton 161 kv Sub is being evaluated. TO zonal/local upgrade. Not for SPP reliability.
540	Device - Warsaw 269.0	06/01/09	06/01/09	\$409,900	12 months		VAR compensations were done in the distribution system in the area. Project required by June 2013 as per 2007 Expansion plan.
541	Device - Craig 161kV	06/01/09	06/01/09	\$864,000	12 months		
<b>Year 2010</b>				<b>\$5,000,000</b>			
526	Device - Crosby	-	06/01/09	\$500,000	24 months		Needs further 69 kV analysis to see if complete Plainview-Floyd-Crosby trans. project mitigates it.SPP Reliability project. Required by June 2010 as per 2007 Expansion Plan.
536	Device - 3rd & VanBuren	06/01/08	06/01/08	\$500,000	18 months		
536	Device - CRRM	07/01/10	07/01/10	\$500,000	18 months		
546	Device - Mentor Substation	06/01/10	06/01/10	\$3,500,000	24 months		
<b>Year 2011</b>				<b>\$5,300,000</b>			
526	Device - Bushland Interchange 230 kV Ca	-	Deferred	\$800,000	24 months	Deferred	Needs further analysis - this is a wind farm outlet bus - no capacitors were identified in TS or GI studies.Project deferred beyond the planning horizon as per 2007 Expansion Plan.
531	Device - St.John	06/01/11	06/01/11	\$1,500,000	12 months		
536	Device - Altamont 138 kV Cap	06/01/11	06/01/11	\$1,000,000	18 months		
536	Device - Springhill 115 kV Cap	06/01/11	06/01/11	\$1,000,000	18 months		
536	Device - Vaughn 115 kV Cap	06/01/11	06/01/11	\$1,000,000	18 months		
<b>Year 2012</b>				<b>\$1,000,000</b>			
536	Device - Florence 115 kV Cap	06/01/12	06/01/12	\$1,000,000	18 months		
<b>Year 2013</b>				<b>\$4,508,000</b>			
520	Device - Mena	06/01/13	06/01/13	\$550,000	12 months		
525	Device - Fredenick 69 kV	06/01/13	06/01/13	\$108,000	12 months		
525	Device - East Kingfisher 69 kV	06/01/13	06/01/13	\$350,000	12 months		
536	Device - East Manhattan 115 kV Cap	06/01/13	06/01/13	\$1,000,000	18 months		
536	Device - Edwardsville 115 kV Cap	06/01/13	06/01/13	\$1,000,000	18 months		
544	Device - Quapaw	06/01/13	06/01/13	\$1,500,000	18 months		
<b>Year 2014</b>				<b>\$7,648,000</b>			
502	Device - Cane Bayou	06/01/14	06/01/14	\$450,000	12 months		
502	Device - Mandeville	06/01/14	06/01/14	\$900,000	12 months		
515	Device - Glencoe	06/01/14	06/01/14	\$540,000	12 months		
520	Device - Hobart	06/01/14	06/01/14	\$550,000	12 months		
524	Device - Panama 69 kV	06/01/14	06/01/14	\$108,000	12 months		
536	Device - Waverly 115 kV Cap	06/01/14	06/01/14	\$1,000,000	18 months		
539	Device - Plainville	06/01/14	06/01/14	\$1,500,000	12 months		
544	Device - Riverside Sub	06/01/14	06/01/14	\$2,600,000	24 months		
<b>Year 2015</b>				<b>\$4,554,988</b>			
502	Device - Madisonville	-	06/01/15	\$450,000	12 months		
524	Device - Altus 69 kV	06/01/15	06/01/15	\$54,000	12 months		
524	Device - South Oklahoma City Pump 69 kV	06/01/15	06/01/15	\$373,988	12 months		
524	Device - Various	-	06/01/15	\$200,000	12 months		
536	Device - Oxford 138 kV Cap	06/01/15	06/01/15	\$1,000,000	18 months		
536	Device - Rock Creek 69 kV Cap	06/01/15	06/01/15	\$427,000	18 months		
544	Device - Bolivar	06/01/15	06/01/15	\$1,500,000	24 months		
546	Device - Twin Oaks	06/01/13	06/01/15	\$550,000	24 months		
<b>Year 2016</b>				<b>\$943,040</b>			
526	Device - Bailey County Interchange 115kV	-	Deferred	\$311,040	24 months	Deferred	Needs further analysis in light of additional 115 kV load to be served from bus.Project deferred beyond the planning horizon as per 2007 Expansion Plan
526	Device - Booker	-	06/01/16	\$200,000	24 months		Long range plan for north system will mitigate. Mitigation Plan under review by SPP staff.
540	Device - East 161	06/01/16	06/01/16	\$432,000	6-12 months		
<b>Year 2017</b>				<b>\$550,000</b>			
520	Device - Broken Arrow Water	06/01/17	06/01/17	\$550,000	12 months		