SPP Boad of Directors Approved Appendix A projects January 26, 2010

NTC_ID	UID	PID	Project Type	Project Description/Comments	Cost Estimate	Facility Owner	In-Service Date	2009 STEP Date	2009 STEP BOD Action	Latest Letter of notification to construct issue date	From Bus Name	To Bus Name	Circuit
						Year 2010							
20000	10294	229	regional reliability	Reconductor 5.14 mile Bentonville 279th St. - East Centerton 161 kV with 1590 conductor.	$5,017,000	AEP	06/01/10	M		02/13/08	Bentonville 279th Street 161 kV	East Centerton 161 kV	1
20016	10440	343	regional reliability	Replace 69 kV switches at Winnsboro and reset CT ratios and relay settings.	$90,000	AEP	06/01/10	M		01/16/09	Winnsboro 69 kV	Magnolia Tap 69 kV	1
20016	10443	346	regional reliability	Replace Quitman 69 kV bus, switches and jumpers. Change CT and relay settings.	$185,000	AEP	06/01/10	M		01/16/09	Forest Hills 69 kV	Quitman 69 kV	1
	11185	893	zonal - sponsored	Restore existing 9.2 mile radial de-energized 138 kV line to service. Build 138-4.16 kV station at Enogex Wilberton.	$1,456,000	AEP	07/01/10				Lone Oak 138 kV	EnoGex Wilberton 138 kV	1
	11186	894	zonal - sponsored	Build new 0.6 mile double circuit tap from the existing Perdue - Lake Hawkins 138 kV line to a new 138 kV Exxon - Mobil Hawkins switching station.	$3,550,000	AEP	12/01/10				Exxon-Mobil Hawkins 138 kV	Perdue 138 kV	1
	11187	894	zonal - sponsored	Build new 0.6 mile double circuit tap from the existing Perdue - Lake Hawkins 138 kV line to a new 138 kV Exxon - Mobil Hawkins switching station.	$3,550,000	AEP	12/01/10				Exxon-Mobil Hawkins 138 kV	Lake Hawkins 138 kV	1
20016	10652	507	transmission service	Rebuild 3.24 miles of 1272 AAC with 2156 ACSR. Replace 3 138 kV switches, breaker jumpers, and reset CTs at Arsenal Hill. Replace 2 138 kV switches and jumpers at Fort Humbug.	$5,428,300	AEP	06/01/10	M		01/16/09	Arsenal Hill 138 kV	Fort Humbug 138 kV	1
20016	50155	30147	transmission service	Replace auto and 69 kV breaker and switches.	$3,005,700	AEP	06/01/10	M		01/16/09	Arsenal Hill 138 kV	Arsenal Hill 69 kV	2
20016	50154	30146	transmission service	Replace auto and 69 kV breaker and switches.	$3,005,700	AEP	06/01/10	M		01/16/09	Arsenal Hill 138 kV	Arsenal Hill 69 kV	1
20016	50161	30153	transmission service	Replace four (4) switches and upgrading bus work.	$200,000	AEP	06/01/10	M		01/16/09	Longwood 345 kV	Longwood 138 kV	1
	10862	657	regional reliability	Replace (3) 600 A switches with 1200 A switches.	$150,000	AEP		06/01/10	NTC		Pryor Junction 115 kV	Pryor Junction 69 kV	1
19959	10375	289	transmission service	Replace wave trap at Clinton City Substation.	$135,400	AEP	06/01/10	M		10/17/06	Clinton City 69 kV	Foss Tap 69 kV	1
20000	10380	294	regional reliability	Replace Mineola 2 Switches & Breaker	$339,000	AEP	06/01/10	M		02/13/08	North Mineola 69 kV	Mineola 69 kV	1
	10296	231	Generation Interconnect	Build new 34 mile Turk - SE Texarkana 138 kV line and add SE Texarkana 138 kV terminal.	$25,590,000	AEP	12/31/10	M			Turk 138 kV	SE Texarkana 138 kV	1
	10297	232	Generation Interconnect	Build new 24 mile Turk - Sugar Hill 138 kV line and add Sugar Hill 138 kV terminal.	$18,427,000	AEP	12/31/10	M			Turk 138 kV	Sugar Hill 138 kV	1
19953	10381	295	transmission service	AEPW to reconductor 1.09 miles of 795 ACSR with 1590 ACSR. (Also, Westar to rebuild 3.93 miles of 795 ACSR with 1590 ACSR.) These ratings are just for the AEP facilities.	$1,008,000	AEP	06/01/10	M		06/26/07	Coffeyville T 138 kV	Dearing 138 kV	1
20000	10383	297	regional reliability	Reconductor Quitman - Westwood 69 kV 3.91 miles of 2/0 with 795 ACSR	$3,827,000	AEP	06/01/10	M		02/13/08	Quitman 69 kV	Westwood 69 kV	1
20016	10382	296	transmission service	Rebuild/reconductor 5.17 mile Dyess - Elm Springs 161 kV with 2156 ACSR.	$6,252,000	AEP	06/01/10	M		01/16/09	Dyess 161 kV	Elm Springs 161 kV	1
20016	10445	348	regional reliability	Replace 161 kV breaker, switches and CTs at Dyess.	$224,000	AEP	06/01/10	M		01/16/09	Dyess 161 kV	Tontitown 161 kV	1
20027	10784	613	regional reliability	Replace switch at Diana for higher winter rating of 287/316 MVA. Summer rating unchanged.	$100,000	AEP	12/01/10	M		01/27/09	Diana 138 kV	Lone Star South 138 kV	1
20027	10378	292	regional reliability	Reconductor 2.66 mile Greggton - Lake Lamond 69 kV with 1272 ACSR.	$4,047,000	AEP	06/01/10	M		01/27/09	Greggton 69 kV	Lake Lamond 69 kV	1
20027	10617	480	regional reliability	Build new 4 mile AEP Snyder - WFEC Snyder 138 kV. WFEC to connect AEP Snyder to WFEC Snyder. AEP to provide 138 kV terminal at AEP Snyder.	$800,000	AEP	12/31/10	M		01/27/09	AEP Snyder 138 kV	WFEC Snyder 138 kV	1
	11011	767	regional reliability	Convert 17 mile Canadian River - McAlester City line from 69 kV to 138 kV.	$17,000,000	AEP		06/01/10	NTC		Canadian River 138 kV	McAlester City 138 kV	1
	11012	767	regional reliability	Tap Pittsburg - Muskogee 345 kV about 33 miles north of the Pittsburg station and step down to 138 kV with a 450 MVA auto.	$8,500,000	AEP		06/01/10	NTC		Canadian River 345 kV	Canadian River 138 kV	1
	11183	767	regional reliability	Rebuild McAlester City Tap, double circuiting existing line, eliminate the 'T' at McAlester City North Tap.	$2,900,000	AEP		06/01/10	NTC		McAlester City 138 kV	Dustin 138 kV	1
	11184	767	regional reliability	Rebuild McAlester City Tap, double circuiting existing line, eliminate the 'T' at McAlester City North Tap.	$2,900,000	AEP		06/01/10	NTC		McAlester City 138 kV	McAlester City North Tap 138 kV	1
	50286	30248	regional reliability - non OATT	Install 2 Blocks of 14.4 Mvar	$1,166,400	CRE		06/01/10			CR-S. Midland 138 kV		
	50287	30249	regional reliability - non OATT	Install 2 Blocks of 7.2 Mvar	$583,200	CRE		06/01/10			CR-Salem		
20011	10271	212	regional reliability	Reconductor 3 mile 69 kV line from 336.4 kcmil ACSR to 477 kcmil ACSS/TW	$1,485,000	CUS	06/01/10	M		02/13/08	Norton 69 kV	Neergard 69 kV	1
	10436	339	zonal - sponsored	Step-Up Transformer for new SWPS #2 (DNR)	$3,200,000	CUS	10/01/10	M			Southwest 161 kV	Southwest 2 20 kV	1
	10275	216	regional reliability - non OATT	Rayburn Project -- Build new 10 mile Ben Wheeler - Barton Chapel 138 kV.		DETEC	12/31/10	M			Ben Wheeler (Wood County EC) 138 kV	Barton's Chapel (Rayburn County) 138 kV	1
20010	50084	30078	Zonal Reliability	Install (3) 22 Mvar capacitor banks for a total of 66 Mvar at Riverside Sub #438.	$2,600,000	EDE	12/01/10	M		02/13/08	SUB 438 - Riverside 161 kV		
20049	10495	382	regional reliability	Change CT setting on Breaker #6973 at Baxter #271 to 800/5 ratio.	$50,000	EDE	06/01/10	M		09/18/09	SUB 404 - Hockerville 69 kV	SUB 271 - Baxter Springs West 69 kV	1
20036	10547	421	regional reliability	Change CT ratio on breaker #6936 at Aurora Substation 124.	$5,000	EDE	06/01/10	M		01/27/09	SUB 124 - Aurora H. T. 69 kV	SUB 152 - Monett H.T. 69 kV	1
19969	10435	338	transmission service	Rebuild 1.7 mile Neosho South Jct. - Neosho SPA 161 kV from 336 ACSR to 795 ACSR and replace terminal equipment	$1,215,000	EDE	06/01/10	M		09/22/06	SUB 184 -Neosho South Junction 161 kV	Neosho (SWPA) 161 kV	1
20049	10641	496	regional reliability	Replace 600 amp disconnect switches with a minimum 1,200 amp units and replace leads on Breaker #6965 at Sub #64 and #6932 at Sub #145.	$55,000	EDE	06/01/10	06/01/15		09/18/09	SUB 145 - Joplin West 7TH 69 kV	SUB 64 - Joplin 10TH ST. 69 kV	1
20053	50225	30221	regional reliability	Add 12 Mvar cap bank at Ralph Green	$486,000	GMO	06/01/10			09/18/09	Ralph Green 69 kV		
20034	**10768**	**601**	**regional reliability**	**Replace wavetraps at Longview and Grandview East on the Grandview - Longview 161kV line.**	**$50,000**	**GMO**	**06/01/10**	**M**		**01/27/09**	**Grandview East 161 kV**	**Longview 161 kV**	**1**
20034	10816	628	regional reliability	Replace wavetrap at Platte City.	$50,000	GMO	12/01/10	M		01/27/09	Platte City 161 kV	Smithville 161 kV	1
20034	10832	635	regional reliability	Build a new Edmond 161/69/34.5 kV substation between the Cook and Lake Road 161 kV substations that will pick up the loads supplied by the Lake Road 161/34.5 kV sources.	$5,405,930	GMO	07/01/10	M		01/27/09	Cook 161 kV	Lake Road 161 kV	1
20053	50226	30222	regional reliability	Reset the overcurrent relay at South Harper 69 kV substation to open South Harper - Freeman 69 kV line upon reaching thermal limit of Freeman – Anaconda – Harrisonville West 69 kV line	$20,000	GMO	06/01/10			09/18/09			
20028	50078	30072	regional reliability	Install (3) 7.2 Mvar capacitors for a total of 21.6 Mvar at Afton 69 kV bus.	$800,000	GRDA	06/01/10	M		01/27/09	Afton 69 kV		
	10389	302	zonal - sponsored	Tap the GRDA 1-Flint Creek 345 kV line and build a 345/161 transformer. Then build a 161 kV line down to Siloam Springs.	$3,210,200	GRDA	06/01/10	M			Siloam Springs Tap 161 kV	Siloam City 161 kV	1
20001	10388	301	regional reliability	Add second 161/69 kV 75 MVA autotransformer at Sallisaw	$3,000,000	GRDA	06/01/10	M		02/13/08	Sallisaw 69 kV	Sallisaw 161 kV	2
20009	50083	30077	Zonal Reliability	New Craig 50 Mvar capacitor bank.	$1,057,630	KCPL	06/01/10	M		02/13/08	Craig 161 kV		
	10363	279	zonal - sponsored	Replace Lenexa Circuit Switcher R1-4 with 2000 Amp Breaker	$192,000	KCPL	06/01/10	M			Craig 161 kV	Lenexa 161 kV	1
	10256	200	zonal - sponsored	New Boulevard sub and new 161kV line	$4,352,600	KCPL	09/30/10	M			Terrace 161 kV	Boulevard 161 kV	1
	10257	201	zonal - sponsored	New 161kV line	$4,750,000	KCPL	03/30/10	M			Crosstown 161 kV	Boulevard 161 kV	1
	10951	714	regional reliability	Replace 200 A CT and 400 A wavetrap at Mayview to increase line rating.	$5,000	KCPL		06/01/10	NTC		Amoco Pipeline 69 kV	Mayview Tap 69 kV	1
	11144	866	zonal - sponsored	Rebuild Sheldon to 20th & PIO. Upgrade based on condition of facility.	$621,875	LES	05/31/10	M			Sheldon 115 kV	20th & PIO 115 kV	1
	11145	867	zonal - sponsored	Rebuild 3rd & Vandn to 20th & PIO. Upgrade based on condition of facility.	$790,625	LES	05/31/10	M			3rd & Vandn 115 kV	20th & PIO 115 kV	1
20052	50223	30219	transmission service	Rebuild approximately 14.5 miles of 34.5 kV line between Rice County and Ellinwood to achieve a minimum 600 amp emergency rating	$1,812,500	MIDW	06/01/10			09/18/09			
20054	50068	30062	regional reliability	Add 138 kV 20 Mvar cap bank at Harper	$1,400,000	MKEC	05/01/10	M		09/18/09	Harper 138 kV		
20007	50067	30061	regional reliability	Install (2) 12 Mvar capacitor banks at Pratt 115kV.	$2,300,000	MKEC	03/01/10	M		02/13/08	Pratt 115 kV		
	50202	30195	zonal - sponsored	Add one 7.2 Mvar cap at Westminster	$375,000	NPPD	06/01/10	M			Westminster 34.5 kV		
	10981	744	transmission service	Replace Canaday transformer.	$5,000,000	NPPD	11/01/10	M			Canaday 115 kV	Canaday 230 kV	1
	10772	603	regional reliability	Build 2.4 miles of new 115 kV line from Kansas/Nebraska state line to Steele City.	$3,000,000	NPPD	10/01/10	06/01/10	NTC		Knob Hill 115 kV	Steele City 115 kV	1
	10775	605	regional reliability		$5,000,000	NPPD	06/01/10	M	NTC		N. Platte 230 kV	N. Platte 115 kV	2
	11160	606	regional reliability	Build new 67 mile Columbus East - NW 68th & Holdrege 345 kV line.		NPPD	04/01/10	M	NTC		Columbus East 345 kV	NW 68 and Holdrege 345 kV	1
	11161	606	regional reliability	Build new 12 mile Columbus East - Shell Creek 345 kV line.		NPPD	10/13/09	M	NTC		Shell Creek 345 kV	Columbus East 345 kV	1
	10970	606	regional reliability	Upgrade Columbus East - Columbus line to 238 MVA.		NPPD	04/01/10	M	NTC		Columbus East 115 kV	Columbus 115 kV	1
	10971	606	regional reliability	Upgrade Pawnee Lake - Seward line to 120 MVA. Portion of this line will be double circuited with the Columbus East - NW 68th & Holdrege 345 kV line project.	$150,000,000	NPPD	04/01/10	M	NTC		Pawnee Lk 115 kV	Seward 115 kV	1
	10972	606	regional reliability	Upgrade Pawnee Lake - NW 68th & Holdrege line to 137 MVA. Portion of this line will be double circuited with the Columbus East - NW 68th & Holdrege 345 kV line project.		NPPD	04/01/10	M	NTC		Pawnee Lk 115 kV	NW 68th & Holdrege 115 kV	1
	10973	606	regional reliability	Upgrade Rising City - Seward line to 120 MVA. Portion of this line will be double circuited with the Columbus East - NW 68th & Holdrege 345 kV line project.		NPPD	04/01/10	M	NTC		Rising City 115 kV	Seward 115 kV	1
	11162	606	regional reliability	Add Columbus East 345/115/13.8 kV transformer.		NPPD	10/13/09	M	NTC		Columbus East 115 kV	Columbus East 345 kV	1
	10957	720	transmission service	Upgrade line to 240 MVA for WEC2.	$6,750,000	NPPD	06/01/10	M			Geneva 115 kV	Sutton 115 kV	1
	10958	721	transmission service	Upgrade line to 240 MVA for WEC2.	$200,000	NPPD	06/01/10	M			Hastings 115 kV	Hastings City 115 kV	1

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	10960	723	transmission service	Upgrade line to 240 MVA for WEC2.	$8,437,500	NPPD	06/01/10	M			Sutton 115 kV	Whelan Energy Center 115 kV	1
	50252	30240	regional reliability	Install 9 Mvar capacitor bank at Cushing Oil 69kV bus.	$360,000	OGE		06/01/10	NTC		Cushing Oil2 69kV		
	50253	30240	regional reliability	Install 6 Mvar capacitor bank at Tiger Creek 69kV bus.	$240,000	OGE		06/01/10	NTC		Tiger Creek2 69kV		
	10787	614	Sponsored	Build 120 mile 345 kV, 3000 amp capacity line from new OG&E Woodward District EHV substation to Northwest substation		OGE	03/30/10	M			Northwest 345 kV	Woodward Distric EHV 345 kV	1
	10915	614	Sponsored	At Northwest substation, install a 3000 amp 345 kV breaker and new line terminal. Relocate Spring Creek Line to new bay. Terminate line from Tatonga. Install line relays and coordinate all relays at Northwest Substation.		OGE	03/30/10	M			Northwest 345 kV		1
	10788	614	Sponsored	Install 345/138 kV transformer.	$218,000,000	OGE	03/30/10	M			Woodward Distric EHV 345 kV	Woodward EHV 138 kV	
	10789	614	Sponsored	Build .5 miles of 138 kV and install terminal equipment .		OGE	03/30/10	M			Woodward EHV 138 kV	Woodward 138 kV	1
	10790	614	Sponsored	Build .5 miles of 138 kV and install terminal equipment .		OGE	03/30/10	M			Woodward EHV 138 kV	Woodward 138 kV	2
	10791	614	Sponsored	Tap Iodine - Woodward 138 kV.		OGE	03/30/10	M			Woodward EHV 138 kV	Iodine 138 kV	1
	11182	892	regional reliability	Install Canadian River 345 kV terminal equipment at new Canadian River substation tapping the Pittsburg-Muskogee line.	$5,500,000	OGE		06/01/10	NTC		Canadian River 345 kV		
	10391	310	zonal - sponsored	Conversion from 69kV to 161kV.	$1,416,000	OGE	06/01/10	M			Fitzhugh 161 kV	Helberg 161 kV	1
	10393	310	zonal - sponsored	Conversion from 69kV to 161kV.	$660,000	OGE	12/31/10	M			Altus 161 kV	Fitzhugh 161 kV	1
	10395	310	zonal - sponsored	Conversion from 69kV to 161kV.	$2,112,000	OGE	06/01/10	M			Little Spadra 161 kV	Igo 161 kV	1
	10397	309	zonal - sponsored	Relay upgrade.	$50,000	OGE	06/01/10	M			Park Lane 69 kV	Ahloso Tap 69 kV	1
	10398	310	zonal - sponsored	Conversion from 69kV to 161kV.	$2,973,000	OGE	10/01/10	M			Igo 161 kV	Razorback 161 kV	1
	10399	310	zonal - sponsored	Conversion from 69kV to 161kV.	$500,000	OGE	06/01/10	M			Razorback 161 kV	Short Mountain 161 kV	1
	10400	310	zonal - sponsored	Conversion from 69kV to 161kV.	$3,231,000	OGE	10/01/10	M			Short Mountain 161 kV	Branch 161 kV	1
20029	10463	354	regional reliability	Upgrade wavetrap and switches to 800 A at 3rd St. substation.	$100,000	OGE	06/01/10	06/01/10	NTC-Modify Scope	01/27/09	Muldrow 69 kV	3rd St 69 kV	1
20002	10513	395	regional reliability	Replace a wave trap, breaker, and increase CT ratio.	$347,073	OGE	06/01/10	M		02/13/08	Russett 138 kV	Russett 138 kV	1
	11001	758	zonal - sponsored	Rebuild Sub 902 - Sub 983 69 kV. The purpose of this project is to address maintenance-related issues, not to address violations of reliability criteria.	$2,500,000	OPPD	02/26/10	M			SUB 902 69 kV	SUB 983 69 kV	1
	50246	30234	regional reliability	Install 12 Mvar capacitor bank at Johnson Corner 115 kV substation.	$1,000,000	SEPC		06/01/10	NTC		Johnson Corner 115 kV		
	10336	256	regional reliability	Convert Johnson Corner - Pioneer line from 69 kV to 115 kV.	$10,650,000	SEPC	06/01/10	06/01/10	NTC		Johnson 115 kV	Pioneer 115 kV	1
	50217	30213	regional reliability	Install 50 Mvar capacitor bank at East Plant 115 kV bus configured as two blocks of 25 Mvar.	$2,025,000	SPS		06/01/10	NTC		East Plant 115 kV		
	50288	30250	zonal - sponsored	Install 1 stage of 7.2 Mvar	$288,000	SPS	06/01/10	M			Perryton Interchange 69 kV		
	50289	30251	zonal - sponsored	Install a 7.2 Mvar cap at Castro County 69 kV	$288,000	SPS	06/01/10	M			Castro County Interchange 69 kV		
	50257	30244	regional reliability	Replace 800A wave trap with 1200A.	$225,000	SPS		06/01/10	NTC		Harrington Station Mid Bus 230 kV		
	10407	315	regional reliability	Upgrade terminal equipment, Rate A & B 185 MVA	$200,000	SPS	06/01/10	M			Roosevelt County Interchange 115 kV	Curry County Interchange 115 kV	
20004	10317	248	regional reliability	Install 115/69 kV Graves transformer.		SPS	06/01/10	M		02/13/08	Grave County Tap 115 kV	Graves Sub 69 kV	
20004	10318	248	regional reliability	Install new 230/115 kV transformer at Wheeler Co (near State Line of Oklahoma and Texas)	$10,585,000	SPS	06/01/10	M		02/13/08	Wheeler Interchange 230 kV	Wheeler Interchange 115 kV	
20004	10319	248	regional reliability	Build new 17 mile Wheeler Co to Graves 115 kV and modify 69 kV bus.		SPS	06/01/10	M		02/13/08	Wheeler Interchange 115 kV	Graves Sub 115 kV	
20004	10800	248	regional reliability	Wheeler County tap	$2,000,000	SPS	06/01/10	M		02/13/08	Elk City 230KV	Wheeler Interchange 230 kV	1
20004	10801	248	regional reliability	Wheeler County tap		SPS	06/01/10	M		02/13/08	Grapevine Interchange 230 kV	Wheeler Interchange 230 kV	1
20031	10326	156	regional reliability	Build new 50 mile Moore County - Hitchland 230 kV rated at 541 MVA.	$16,094,371	SPS	12/31/10	M		01/27/09	Moore Co 230 kV	Hitchland 230 kV	1
20004	10327	156	regional reliability	Add 3-Winding 345/230 kV transformer at Hitchland - 560 MVA.	$12,577,500	SPS	06/01/10	M		02/13/08	Hitchland 345 kV	Hitchland 230 kV	1
20004	10328	156	regional reliability	Build new 28 mile Hitchland - Sherman Tap 115 kV rated at 161 MVA.	$15,848,000	SPS	06/01/10	M		02/13/08	Sherman Tap 115 kV	Hitchland 115 kV	1
20004	10329	156	regional reliability	Add 115 kV line from Sherman to Dallam - 161 MVA.	$10,771,825	SPS	06/01/10	M	NTC-Modify Scope	02/13/08	Sherman Sub 115 kV	Dallam County Interchange 115 kV	1
20004	10200	156	regional reliability	Build new 9 mile Hitchland - Texas Co. 115 kV rated at 161 MVA.	$5,132,829	SPS	06/01/10	M		02/13/08	Texas County Interchange 115 kV	Hitchland 115 kV	2
20004	10201	156	regional reliability	Add 2-winding 230/115 kV transformer at Hitchland - 252 MVA.	$31,915,701	SPS	06/01/10	M		02/13/08	Hitchland 115 kV	Hitchland 230 kV	1
20004	10802	156	regional reliability	Tap the Texas County to Hansford line.		SPS	06/01/10	M		02/13/08	Hitchland 115 kV	Hansford 3 115 kV	1
20004	10805	156	regional reliability	Tap the Texas County to Hansford line.		SPS	06/01/10	M		02/13/08	Texas County Interchange 115 kV	Hitchland 115 kV	1
20031	10704	554	regional reliability	Build new 35 mile Dallam - Channing 115 kV using 795 ACSR.		SPS	12/31/10	M		01/27/09	Dallam County Interchange 115 kV	Channing 115 kV	1
20031	10705	554	regional reliability	Convert 15 mile Channing - Tascosa line from 69 kV to 115 kV with 795 ACSR.	$27,452,677	SPS	12/31/10	M		01/27/09	Channing 115 kV	Tascosa 115 kV	1
20031	10706	554	regional reliability	Convert 30 mile Tascosa - Northwest Interchange line from 69 kV to 115 kV with 795 ACSR.		SPS	12/31/10	M		01/27/09	Tascosa 115 kV	Northwest Interchange 115 kV	1
	11018	773	regional reliability	Add 2nd 230/115 kV transformer at Roosevelt.	$5,670,000	SPS		06/01/10	NTC		Roosevelt County Interchange 115 kV	Roosevelt County Interchange 230 kV	2
	11026	776	regional reliability	Build new 1 mile Deaf Smith to Panda 115 kV line.	$600,000	SPS	06/30/10	06/01/10	NTC		Deaf Smith County Interchange 115 kV	Panda Energy Substation, Hereford 115 kV	1
	11027	777	regional reliability	Reconductor 2.24 mile East Plant - Manhattan 115 kV line.	$1,100,000	SPS		06/01/10	NTC		East Plant Interchange 115 kV	Manhattan Sub 115 kV	1
	11032	782	regional reliability	Rebuild 4 mile Osage Switching Station - South Georgia Interchange 115 kV with 795 ACSR.	$1,687,500	SPS		06/01/10	NTC		South Georgia Interchange 115 kV	Osage Switching Station 115 kV	1
	11084	821	regional reliability	Reconductor 2 mile Osage Switching Station - Randall County Interchange 115 kV line with 795 ACSR.	$1,125,000	SPS		06/01/10	NTC		Osage Switching Station 115 kV	Randall County Interchange 115 kV	1
	11097	830	regional reliability	Reconductor 1.6 mile Manhattan - Randall County Interchange 115 kV line with 795 ACSR.	$900,000	SPS		06/01/10	NTC		Manhatten Tap 115 kV	Randall County Interchange 115 kV	1
	11121	851	regional reliability	Replace existing wavetrap with 1200 A unit.	$225,000	SPS	06/16/10	06/01/10	NTC		Harrington Mid 230 kV	Randall Co 230 kV	1
	10439	342	regional reliability - non OATT	Upgrade the bus to 1200 amp and reconnect CT ratios to 1200/5.	$2,200,000	SWPA	01/01/10	06/01/10			Bull Shoals 161 kV	Bullshoals 161 kV	1
	10125	101	regional reliability - non OATT	Replace Eufaula161/138 kV transformer with 200 MVA unit.	$3,000,000	SWPA	10/01/10	M			Eufaula 161 kV	Eufaula 138 kV	1
20003	50085	30079	regional reliability	Install 12 Mvar capacitor at Carter Jct which makes at total of 24 Mvar.	$324,000	WFEC	06/01/10	M		02/13/08	Carter 69 kV		
20030	50180	30172	regional reliability	Install 12 Mvar capacitor at Eagle Chief Southwest 69 kV bus.	$300,000	WFEC	06/01/10	M		01/27/09	Eagle Chief 69 kV		
20003	10176	138	regional reliability	Upgrade WFEC Woodward sub to 1200 A and reconductor from 336.4 ACSR to 795 ACSR; new rating 91/110 MVA.	$1,050,000	WFEC	06/01/10	M		02/13/08	OGE Woodward 69 kV	WFEC Woodward 69kV	1
20030	10305	239	regional reliability	Build new 4 mile AEP Snyder - WFEC Snyder 138 kV.	$3,373,000	WFEC	12/31/10	M		01/27/09	AEP Snyder 138 kV	WFEC Snyder 138 kV	1
20003	10307	241	regional reliability	Rebuild 2 mile Anadarko - Georgia 138 kV line from 556 to 1113 ACSR.	$1,124,000	WFEC	06/01/10	M		02/13/08	Anadarko 138 kV	Georgia 138 kV	1
20003	10308	242	regional reliability	Elmore - Paoli Rebuild 3/0 to 336 ACSR - 10.8 miles.	$3,240,000	WFEC	06/01/10	M		02/13/08	Elmore 69 kV	Paola 69 kV	1
20003	10309	243	regional reliability	Convert 5 mile Oklahoma University (OU) Switch - Goldsby from 69 kV to 138 kV.	$2,753,800	WFEC	06/01/10	M		02/13/08	OU Switchyard 138 kV	Goldsby 138 kV	1
20003	10310	243	regional reliability	Convert 6 mile Goldsby - Canadian Switch from 69 kV to 138 kV.	$2,250,000	WFEC	06/01/10	M		02/13/08	Goldsby 138 kV	Canadian SW 138 kV	1
20003	10311	243	regional reliability	Install 138/69 kV transformer at Oklahoma University.	$5,000,000	WFEC	06/01/10	M		02/13/08	OU Switchyard 138 kV	OU Switchyard 69 kV	1
20003	10174	136	regional reliability	Build new 10 mile Meeker - Hammett 138 kV and install terminal equipment.	$6,674,000	WFEC	06/01/10	M		02/13/08	Meeker 138 kV	Hammett 138 kV	1
20003	10175	137	regional reliability	Reconductor 18.9 mile Wakita - Hazelton Junction 69 kV from 1/0 ACSR to 336.4 ACSR for new rating of 53/65 MVA.	$5,378,750	WFEC	06/01/10	M		02/13/08	Wakita 69 kV	Hazelton 69 kV	1
20003	10401	311	regional reliability	Convert 5 mile Acme - Franklin from 69 kV to 138 kV.	$2,065,000	WFEC	06/01/10	M		02/13/08	Franklin SW 138 kV	ACME 138 kV	1
20003	10402	311	regional reliability	Convert 4 mile West Norman - Acme from 69 kV to 138 kV.	$1,601,000	WFEC	06/01/10	M		02/13/08	ACME 138 kV	West Norman 138 kV	1
20003	10403	311	regional reliability	Convert 8 mile OU - West Norman from 69 kV to 138 kV.	$1,577,000	WFEC	06/01/10	M		02/13/08	West Norman 138 kV	OU SW 138 kV	1
20030	10794	616	regional reliability	Convert 11 mile Dover Southwest - Dover from 69 kV to 138 kV and install terminal equipment at Dover Southwest.	$5,765,600	WFEC	06/01/10	M		01/27/09	Dover SW 138 kV	Dover 138 kV	1
20030	10795	616	regional reliability	Convert 12.6 mile Dover - Twin Lakes from 69 kV to 138 kV.	$5,315,700	WFEC	06/01/10	M		01/27/09	Dover 138 kV	Twin Lakes 138 kV	1
20030	10796	616	regional reliability	Convert 7.5 mile Twin Lakes - Cashion from 69 kV to 138 kV.	$3,164,000	WFEC	06/01/10	M		01/27/09	Twin Lakes 138 kV	Cashion 138 kV	1
20030	10797	616	regional reliability	Build new 7 mile WFEC Twin Lakes - OG&E Crescent 138 kV.	$3,937,500	WFEC	06/01/10	M		01/27/09	Twin Lakes 138 kV	Crescent 138 kV	1
20030	10798	617	regional reliability	Upgrade CTs at Lake Creek (Carter Branch) to 600A.	$150,000	WFEC	06/01/10	M		01/27/09	Carter JCT 69 kV	Lake Creek 69 kV	1
20030	10799	135	regional reliability	Reconductor 3.7 miles of 1/0 ACSR to 556.5 ACSR from Lindsay to Lindsay Southwest 69 kV.	$1,248,750	WFEC	06/01/10	M		01/27/09	Lindsay 69 kV	Lindsay SW 69 kV	1
20030	10173	135	regional reliability	Reconductor 6.9 miles of 1/0 ACSR to 336.4 ACSR from Bradley to Rush Springs 69 kV.	$2,328,750	WFEC	06/01/10	M		01/27/09	Bradley 69 kV	Rush Springs 69 kV	1
19985	10179	140	regional reliability	Reconductor 3.8 miles from 3/0 ACSR to 795 ACSR. Rate A=81MVA, Rate B=106MVA	$912,000	WFEC	06/01/10	M		02/02/07	ACME 69 kV	W Norman 69 kV	1
20006	10220	171	regional reliability	Rebuild Weaver-Rose Hill 69 kV	$2,242,907	WR	12/01/10	M		02/13/08	Weaver 69 kV	Rose Hill 69 kV	1
20006	50062	30056	regional reliability	Add 10.9 Mvar capacitor bank at Trans Canada 115 kV instead of Seneca.	$588,600	WR	06/01/10	06/01/17	NTC-Modify Timing & Scope	02/13/08	Trans Canada / Seneca 115 kV		
	50290	30252	zonal - sponsored	Add 76.8 Mvar bank at Benton	$3,072,000	WR	12/01/10	M			Benton 138 kV		
19986	50088	30082	Zonal Reliability	Install switched capacitor bank.	$500,000	WR	6/1/2010	M		02/02/07	3rd & VanBuren 115 kV		
19986	50063	30057	Zonal Reliability	Install 15 Mvar capacitor at Nortonville 69 kV (bus #533481).	$715,000	WR	6/1/2010	M		02/02/07	Nortonville 69 kV		
20059	10231	182	regional reliability	Rebuild approximately 7.5 miles Chase - White Junction 69 kV line. Replace existing 2/0 copper conductor to achieve a minimum 600 amp emergency rating.	$5,184,701	WR	06/01/10	M		09/18/09	Chase 69 kV	White Junction 69 kV	1
19964	10412	318	transmission service	AEP - Tie Line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR. WERE - Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR. AEP: The limiting factor is the AEP portion of 795 ACSR conductor The estimated cost of doing a sag analysis on this line to see if it can rated for a higher limit is 6000 New ratings are for AEP only. The new limit is the 1590 ACSR conductor Per MW-Mile files, 78% WR, 22% AEP of 5.02 miles	$2,819,000	WR	06/01/10	M		06/27/07	Coffeyville Tap 138 kV	Dearing 138 kV	1
	10345	262	Sponsored	Install new 50.55-mile 345 kV line from Reno county to Summit; 31 miles of 115 kV line between Circle and S Philips would be rebuilt as double circuit with the 345 kV line to minimize ROW impacts; Substation work required at Summit for new 345 kV terminal and completion of ring bus.	$100,618,016	WR	06/01/10	M			Reno County 7 345 kV	Summit 345 kV	1
20006	10426	330	regional reliability	Tap Litchfield-Marmaton 161 kV with new SWBourb5 bus to Ft Scott	$5,000,000	WR		M		02/13/08	Southwest Bourbon 161 kV	Fort Scott 161 kV	1
20006	10424	328	regional reliability	Rebuild Circle - Moundridge 115 kV	$5,800,000	WR	06/01/10	M		02/13/08	Circle 115 kV	Moundridge 115 kV	1

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	10425	328	zonal - sponsored	Install New (2nd) 138/115 kV transformer at Moundridge (57429/57013). Operate both 138/115 kV transformers normally closed.	$1,700,000	WR	06/01/10				Moundridge 138 kV	Moundridge 115 kV	2
20006	10219	170	regional reliability	3.53 miles Anzio - Fort Junction Switching Station 115 kV	$3,639,327	WR	06/01/10	M		02/13/08	Anzio 115 kV	Fort Junction	1
20033	10809	621	regional reliability	Uprate JEC- E. Manhattan 230 kV line to 100 deg C operation by raising structures.	$17,085,938	WR		M		01/27/09	E. Manhattan 230 kV	JEC 230 kV	1
20033	10813	625	regional reliability	Rebuild the 2.37 mile Chisholm - Ripley 69 kV line using single 1192.5 ACSR.	$2,255,250	WR	06/01/10	M		01/27/09	Chisholm 69 kV	Ripley 69 kV	1
20019	10739	578	regional reliability	New 115 kV Line from Knob Hill to Kansas/Nebraska state line.	$25,751,000	WR	06/01/10	M		11/17/08	Knob Hill 115 kV	Steele City 115 kV	1
20019	10738	577	regional reliability	Rebuild 10.3 mile line between Kelly and South Seneca.	$5,825,000	WR	12/01/10	M		11/17/08	Kelly 115 kV	South Seneca 115 kV	1
20033	10766	599	regional reliability	Tear down and rebuild the 2.72 mile Tecumseh Hill - 27th & Croco 115 kV line as a single circuit.	$3,890,000	WR	12/31/10	M		01/27/09	Tecumseh Hill 115 kV	27th & Croco 115 kV	1
20059	50235	30228	transmission service	Replace Jumpers to achieve a minimum 600 amp emergency rating.	$115,000	WR	06/01/10			09/18/09	Tioga 69 kV	Chanute TAP 69 kV	1
20059	50237	30229	transmission service	Replace Disconnect Switches, Wavetrap, Breaker, Jumpers with a minimum 2000 amp emergency rating equipment	$600,000	WR	06/01/10			09/18/09	Coffeyville Tap 138 kV	Dearing 138 kV	1
20059	50238	30224	transmission service	Rebuild approximately 7 miles of line with 954 kcmil ACSR to achieve a minimum 1200 amp emergency rating.	$3,335,500	WR	07/01/10			09/18/09	Green 69 kV	Coffey County No. 4 Vernon 69 kV	1
20059	10711	561	transmission service	Replace Disconnect Switches, Wavetrap, Breaker, Jumpers a minimum 2000 amp emergency rating	$5,513,000	WR	06/01/10	M		09/18/09	Evans Energy Center South 138 KV	Lakeridge 138 KV	1
						Year 2011							
	10367	283	inter-regional	The proposed line connects to the Morgan - Neosho 345kV line near the Kansas border -- This is the proposed Blackberry sub. From Blackberry the 108 mile 345kV line connects to Chouteau 345 kV bus which connects via a 5 mile 345kV circuit to GRDA 1 bus (GRDA 2 gen). At the Chouteau 345kV bus a 345/161 transformer connects to Chouteau 161kV sub.		AECI	06/01/12				Blackberry 345 kV	Sportsman Acres 345	1
	10368	283	inter-regional	The proposed line connects to the Morgan - Neosho 345kV line near the Kansas border -- This is the proposed Blackberry sub. From Blackberry the 108 mile 345kV line connects to Sportsman Acres 345 kV bus which connects via a 5 mile 345kV circuit to GRDA 1 bus (GRDA 2 gen). At the Sportsman Acres 345kV bus a 345/161 transformer 161 kV line connects to Chouteau 161kV sub.		AECI	02/01/11				Sportsman Acres 345	GRDA 1 345 kV	1
	10369	283	inter-regional	The proposed line connects to the Morgan - Neosho 345kV line near the Kansas border -- This is the proposed Blackberry sub. From Blackberry the 108 mile 345kV line connects to Sportsman Acres 345 kV bus which connects via a 5 mile 345kV circuit to GRDA 1 bus (GRDA 2 gen). At the Sportsman Acres 345kV bus a 345/161 transformer 161 kV line connects to Chouteau 161kV sub.	$57,000,000	AECI	02/01/11				Sportsman Acres 345 kV	Sportsman Acres 161 kV	1
	10916	283	inter-regional	The proposed line connects to the Morgan - Neosho 345kV line near the Kansas border -- This is the proposed Blackberry sub. From Blackberry the 108 mile 345kV line connects to Sportsman Acres 345 kV bus which connects via a 5 mile 345kV circuit to GRDA 1 bus (GRDA 2 gen). At the Sportsman Acres 345kV bus a 345/161 transformer 161 kV line connects to Chouteau 161kV sub.		AECI	02/01/11				Sportsman Acres 345 kV	Sportsman Acres 161 kV	2
	10781	283	inter-regional	The proposed line connects to the Morgan - Neosho 345kV line near the Kansas border -- This is the proposed Blackberry sub. From Blackberry the 108 mile 345kV line connects to Sportsman Acres 345 kV bus which connects via a 5 mile 345kV circuit to GRDA 1 bus (GRDA 2 gen). At the Sportsman Acres 345kV bus a 345/161 transformer 161 kV line connects to Chouteau 161kV sub.		AECI	02/01/11				Sportsman Acres 161kV	Chouteau 161 kV	
	10459	350	Generation Interconnect	Replace breaker 3310.	$277,000	AEP	12/31/11				Bann 138 kV	Red Springs REC 138 kV	1
	10446	349	Generation Interconnect	Reconductor and convert line to 138 kV and replace switches at Ashdown REC	$7,810,000	AEP	06/01/11	M			Ashdown REC (Millwood) 138 kV	Okay 138 kV	1
	10447	349	Generation Interconnect	Reconductor line and convert line to 138 kV. Convert Patterson station to breaker-and-a half configuration.	$11,431,000	AEP	12/31/11	M			Ashdown REC (Millwood) 138 kV	Patterson 138 kV	1
	10448	349	Generation Interconnect	Build new McNab-Turk 115 kV line	$1,773,000	AEP	12/31/11	M			McNab REC 115 kV	Turk 115 kV	1
	10451	349	Generation Interconnect	Convert 115-69 kV station to 138-69 kV.	$3,266,000	AEP	12/31/11	M			Okay 69 kV	Okay 138 kV	1
	10452	349	Generation Interconnect	Build two mile, 138 kV, 1590ACSR line section from Turk Sub to existing Okay-Hope 115 kV line and rebuild twelve miles of 115 kV line to Okay Sub to 138 kV, 1590 ACSR , to form a Turk-Okay 138 kV line	$8,170,000	AEP	12/31/11	M			Okay 138 kV	Turk 138 kV	1
	10457	349	Generation Interconnect	Build Turk 138-115 kV station and relocate autotransformer (and spare) from Patterson to this new Turk station.	$7,806,000	AEP	12/31/11	M			Turk 115 kV	Turk 138 kV	1
20027	10586	452	regional reliability	Replace one breaker and four switches.	$350,000	AEP	06/01/11	M		01/27/09	Whitney 138 kV	Whitney 69 kV	1 & 2
20016	10449	349	transmission service	Reconductor about 0.5 miles of 666 ACSR with 1590 ACSR	$540,000	AEP	12/31/11	M		01/16/09	McNab REC 115 kV	Turk 115 kV	1
20016	10450	349	transmission service	Reconductor 3.55 miles of 666 ACSR with 1590 ACSR	$2,170,000	AEP	12/31/11	M		01/16/09	McNab REC 115 kV	Hope 115 kV	1
20048	10578	446	transmission service	Rebuild approximately 13 miles of line with 1590 ACSR to achieve a minimum 2000 Amp emergency rating	$13,100,000	AEP	06/01/11			09/18/09	North Bartlesville 138 kV	Coffeyville Tap 138 kV	1
20048	10588	454	transmission service	Rebuild approximately 8.5 miles of line with 1590 ACS to achieve a minimum 2000 Amp emergency rating & reset relays at Bartlesville Southeast accordingly	$8,400,000	AEP	06/01/11			09/18/09	Bartlesville Southeast 138 kV	North Bartlesville 138 kV	1
	10373	287	zonal - sponsored	Build 12 miles of 138 kV from Etoile - Chireno	$11,299,000	DETEC	06/01/11				Etoile 138 kV	Chireno 138 kV	1
19970	10644	499	transmission service	Replace Auto transformer at ORONOGO 110 with 150 MVA rated Auto transformer due to increased generation available	$4,000,000	EDE	06/01/11	M		01/10/08	ORO110 5 161 IV	ORO110 2 69 kV	1
19970	10730	352	transmission service	Reconductor 11.9 miles of Oronogo Jct. to Riverton 161kV Ckt. 1 from 556 ACSR to 795 ACSR, change CT settings @ Oronogo, and replace wavetrap.	$5,750,000	EDE	06/01/11	M		01/10/08	Sub 110 - Oronogo Jct.	Sub 167 - Riverton	1
	10370	284	inter-regional	Entergy Planning has identified this proposed project as installing a new switching station, Grandview, on the existing 161 kV line between Table Rock Dam and Eureka Springs substation and constructing a new 161 kV line between Grandview and the existing Osage Creek substation.	$6,000,000	EES	06/01/11	06/01/10			Grandview 161 kV	Osage 161 kV	1
20034	10830	634	regional reliability	Tap the Montrose - LomaVista 161 kV Line into KC South 161 kV substation. This project is an alternative to replace the reconductor project of the Duncan Rd - Blue Spring East and Martin City - Grandview East 161 kV lines.	$2,369,625	GMO	11/01/11	M		01/27/09	Loma Vista 161 kV	KC South 161 kV	1
	10431	334	zonal - sponsored	Radial Line From Greenwood to a new distribution sub at Lone Jack	$7,096,402	GMO	06/01/11	M			Lone Jack 161 kV	Greenwood 161 kV	1
	10428	331	zonal - sponsored	Tap Clinton AECI (300071) to Clinton MIPU (541242) with new Clinton bus and tie in existing Clinton transformer into new bus.	$2,418,750	GMO	06/01/11				Clinton 161 kV		
20034	10854	650	regional reliability	Tap Stilwell - Archie Junction 161 kV line into South Harper 161 kV sub and make it two new 161 kV sections: Stilwell - South Harper and Archie Junction - South Harper.	$2,259,673	GMO	06/01/11	M		01/27/09	Stillwell 161 kV	Archie 161 kV	1
	50194	30187	regional reliability	Add 20 Mvar capacitor bank at Adrian 161 kV.	$810,000	GMO		06/01/11	NTC		Adrian 161kV		
20053	50224	30220	regional reliability	Add 50 Mvar cap bank at Blue Springs East	$1,400,000	GMO	06/01/11			09/18/09	Blue Springs East 161 kV		
	10361	278	zonal - sponsored	161kV Tap of Longview to Grandview East	$893,868	GMO	06/01/11	M			Longview 161 kV	Sampson 161 kV	1
	10362	278	zonal - sponsored	161kV Tap of Longview to Grandview East	$0	GMO	06/01/11	M			Sampson 161 kV	Grandview East 161 kV	1
	10356	273	zonal - sponsored	161kV Tap of Nashua to Liberty West	$1,350,000	GMO	06/01/11	M			Cookingham 161 kV	Liberty West 161 kV	1
	10357	273	zonal - sponsored	161kV Tap of Nashua to Liberty West		GMO	06/01/11	M			Nashua 161 kV	Cookingham 161 kV	1
20056	50227	30223	transmission service	Reconductor the line from 1192 ACSR to 1192 ACSS and rebuild the line terminals to 2000 amp capability	$4,400,000	GMO	06/01/11			09/18/09	ST Joe 161 KV	Cook 161 KV	1
20001	50092	30086	regional reliability	Install 21.8 Mvar capacitor at Jay 69 kV substation.	$800,000	GRDA	06/01/11	M		02/13/08	Jay Gr2 69 kV		
20001	10511	393	regional reliability	Add 50MVA 161/69 kV transformer #2 at Afton.	$2,500,000	GRDA	06/01/11	06/01/10	NTC-Modify Timing	02/13/08	Afton161 kV	Afton 69 kV	1
	10390	302	zonal - sponsored	Tap the GRDA 1-Flint Creek 345 kV line and build a 345/161 transformer. Then build a 161 kV line down to Siloam Springs.	$8,019,000	GRDA	12/01/11	M			Siloam Springs Tap 345 kV	Siloam Springs Tap 161 kV	1
20050	10512	394	regional reliability	Rebuild approximately 22 miles of line with 795 ACSR	$10,450,000	GRDA	06/01/11			09/18/09	Kerr 161 kV	Pensacola 115 kV	1
20051	50221	30217	transmission service	Add 20 Mvar cap bank to make a total of 70 Mvar at Craig 161kV	$50,000	KCPL	06/01/11			09/18/09	Craig 161 kV		
20051	50222	30218	transmission service	Reconductor line and upgrade terminal equipment for 2000 amps	$2,200,000	KCPL	06/01/11			09/18/09	Stilwell 161 kV	Redel 161 kV	1
20032	50184	30176	regional reliability	Install 5 Mvar Cap at Kinsley 115 kV.	$300,000	MIDW	06/01/11	06/01/11	NTC-Modify Scope	01/27/09	Kinsley 115 kV		
	50197	30190	regional reliability	Install 5 Mvar capacitor bank at Pawnee 115 kV.	$300,000	MIDW		06/01/11	NTC		Pawnee 115 kV		
20007	50096	30090	regional reliability	Add 9.6 Mvar capacitor at Russell 115 kV.	$1,300,000	MKEC	06/01/11	M		02/13/08	Russell 115 kV		
	50211	30204	regional reliability	Install 10.8 Mvar capacitor bank at Valentine 115 kV.	$1,000,000	NPPD	06/01/11	06/01/11	NTC		Valentine 115 kV		
	10924	609	regional reliability	Build new 161-kV substation Sub 1341. Remove 0.06 mile of 161 kV line from Sub 1251- Sub 1305.		OPPD	12/31/11	M	NTC		SUB 1341 161 kV		
	10925	609	regional reliability	Tap 161-kV line from Sub 1251 to Sub 1305 and route it into and out of new 161-kV substation Sub 1341.	$16,300,000	OPPD	12/31/11	M	NTC		SUB 1341 161 kV	SUB 1251 161 kV	1
	10926	609	regional reliability	Tap 161-kV line from Sub 1251 to Sub 1305 and route it into and out of new 161-kV substation Sub 1341.		OPPD	12/31/11	M	NTC		SUB 1341 161 kV	SUB 1305 161 kV	1
	50148	304	zonal - sponsored	Add 9 Mvar of emergency capacitors	$264,000	OGE	03/01/11				Madill Industries 138 kV		
	10392	310	zonal - sponsored	Conversion from 69kV to 161kV	$543,000	OGE	03/31/11	M			Great Lakes Carbon 161 kV	Altus 161 kV	1
	10394	310	zonal - sponsored	Conversion from 69kV to 161kV	$2,994,000	OGE	03/31/11	M			Ipo 161 kV	Noark 161 kV	1
	10396	310	zonal - sponsored	Conversion from 69kV to 161kV	$522,000	OGE	03/31/11	M			Noark 161 kV	Great Lakes Carbon 161 kV	1
	11190	895	zonal - sponsored	Three terminal line will be upgraded to 2000A with breakers. Limiting equipment will be 795AS33 conductor.	$1,300,000	OGE	04/01/11	M			Stonewall138 kV	Remington Park 138 kV	1
20017	50166	30158	transmission service	Replace 4.65 miles of line with 477AS33	$1,400,000	OGE	06/01/11	M		01/16/09	Rocky Point 69 kV	Ardmore 69 kV	1
20017	50170	30162	transmission service	Replace wavetrap 800A at Uniroyal	$50,000	OGE	06/01/11	M		01/16/09	Sunnyside 138 kV	Uniroyal 138 kV	1
20017	50167	30159	transmission service	Replace Differential Relaying	$300,000	OGE	06/01/11	M		01/16/09	Dillard 138 kV	Healdton Tap 138 kV	1

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20029	10792 & 10793	615	regional reliability	Convert 13.64 miles of 69 kV to 138 kV from Crescent to Cottonwood Creek and install terminal equipment at Cottonwood Creek, completing loop from Crescent to Twin Lakes (WFEC).	$5,404,250	OGE	06/01/11	M		01/27/09	Crescent 138 kV	Cottonwood Creek 138 kV	1
	11188	896	zonal - sponsored	Bell Cow Sub is delayed until 2011. Install Bell Cow sub and associated lines, remove chandler sub.		OGE	05/30/11	M			Keystone West 138 kV	Bell Cow 138 kV	1
	11189	896	zonal - sponsored	Bell Cow Sub is delayed until 2011. Install Bell Cow sub and associated lines, remove chandler sub.		OGE	05/30/11	M			Warwick 138 kV	Bell Cow 138 kV	1
	10731	304	zonal - sponsored	At Caney Creek remove 2 existing line terminals to the north and expand the 138 kV bus north into a ring bus		OGE	06/01/11	M			Caney Creek 138 kV		1
	10732	304	zonal - sponsored	Construct 25 miles of 138 kV of 795AS33 line from the new Johnson County sub to Caney Creek.		OGE	06/01/11	M			Johnson County 138 kV	Caney Creek 138 kV	1
	10733	304	zonal - sponsored	Build a new 345 EHV substation in the Sunnyside to Pittsburg line. Install a 400 MVA transformer with 3-345kv breakers in a ring bus and 4-138kv breakers in a ring bus at new Johnson County sub.		OGE	06/01/11	M			Johnson County 345 kV	Johnson County 138 kV	1
	10734	304	zonal - sponsored	Replace relays at Sunnyside 345 kV	$32,975,000	OGE	06/01/11	M			Sunnyside 345 kV	Johnson County 345 kV	1
	10735	304	zonal - sponsored	Replace relays at Pittsburg 345 kV		OGE	06/01/11	M			Johnson County 345 kV	Pittsburg 345 kV	1
	10820	304	zonal - sponsored	Tap the MillCreek to Russett 138 kV into the New Johnson County substation		OGE	06/01/13	M			Johnson County 138 kV	Millcreek	1
	10821	304	zonal - sponsored	Tap the MillCreek to Russett 138 kV into the New Johnson County substation and reconductor Jonson County to Russett Sub with 795 AS33		OGE	06/01/13	M			Johnson County 138 kV	Russett 138 kV 138 kV	1
	10747	582	zonal - sponsored	Install Terminal equipment to remove Three terminal line	$1,900,000	OGE	06/01/11	M			Cottonwood Creek 138 kV	Arcadia 138 kV	1
	10748	582	zonal - sponsored	Install Terminal equipment to remove Three terminal line		OGE	06/01/11	M			Arcadia 138 kV	Garber 138 kV	1
20041	10946	709	Balanced Portfolio	Tap Lawton East Side to Cimarron 345 kV line at Anadarko and build substation. Install a 345/138 kV transformer in substation.	$15,000,000	OGE	12/31/11	M		06/19/09	Anadarko (Gracemont) 345 kV	Gracemont 138 kV	1
20002	10514	396	regional reliability	Install a 138 kV breaker at Bodle to close the normally open switch. Breaker connects 515155 Bodle 138 kV to 515156 Bodle138 kV.	$1,000,000	OGE	10/01/11	M		02/13/08	Bodle 138 kV	Bodle 138 kV	1
	50247	30235	regional reliability	Install 2nd 115 kV 12 Mvar cap bank at Johnson Corner substation.	$650,000	SEPC		06/01/11	NTC		Johnson Corner 115 kV		
	10214	165	zonal - sponsored	Build new 35 mile Phillipsburg - Rhoades 115 kV.	$10,500,000	SEPC	09/01/11	M			Phillipsburg 115 kV	Rhoades 115 kV	1
20007	10215	166	regional reliability	Rebuild 12 mile Holcomb - Plymell 115 kV.	$3,650,000	SEPC	09/01/11	M		02/13/08	Holcomb 115 kV	Plymell 115 kV	1
20014	10480	367	regional reliability	Rebuild 15 mile Holcomb - Pioneer Tap 115kV.	$3,200,000	SEPC	09/01/11	M		09/18/08	Plymell 115 kV	Pioneer Tap 115 kV	1
	50259	30246	regional reliability	Install 2 Blocks of 7.2 Mvar capacitor bank at Kress 69 kV.	$583,200	SPS		06/01/11	NTC		Kress Rural 69 kV		
	11040	791	regional reliability	Tap the Potter Interchange - Plant X Station 230 kV line for new Newhart Substation install 230/115 kV 150/173 MVA transformer.	$11,250,000	SPS	12/22/11	06/01/10	NTC		Newhart 230 kV	Newhart 115 kV	1
	11090	824	regional reliability	New 345/230 kV transformer rated 515/560 MVA at Hobbs Interchange.	$11,250,000	SPS	12/22/11	06/01/10	NTC		Hobbs Interchange 230 kV	Hobbs Interchange 345 kV	1
	11091	824	regional reliability	New 345/138 kV transformer rated 400/440 MVA at Midland.	$11,250,000	SPS	12/22/11	06/01/10	NTC		Midland 345 kV	Midland 138 kV	1
	11029	779	regional reliability	Reconductor 6.15 mile Maddox - Sanger Switching Station 115kV line for 226/239 MVA rating.	$3,000,000	SPS	06/25/11	06/01/10	NTC		Maddox Station 115 kV	Sanger Switching Station 115 kV	1
	11019	774	regional reliability	New Tap to new Cherry 230/115 kV Transformer.	$112,500	SPS	08/24/11	06/01/10	NTC		Cherry Sub 230 kV	Potter County Interchange 230 kV	1
	11020	774	regional reliability	New 230/115 kV Autotransformer at Cherry Substation.	$4,905,000	SPS	08/24/11	06/01/10	NTC		Cherry Sub 230 kV	Cherry Sub 115 kV	1
20031	10757	590	regional reliability	Convert 8 miles of 69 kV to 115 kV from Carlsbad Interchange - Ocotillo. Convert Ocotillo substation to 115 kV.	$1,222,843	SPS	06/01/11	06/01/10		01/27/09	Carlsbad Interchange 115 kV	Ocotillo Sub 115 kV	1
20004	10325	156	zonal - sponsored	Add 230 kV line from Pringle to Hitchland - 541 MVA.	$11,922,643	SPS	06/01/11	M		02/13/08	Pringle Interchange 230 kV	Hitchland 230 kV	1
20004	10330	156	regional reliability	Add 230 kV line from Hitchland to Ochiltree - 541 MVA.	$10,766,250	SPS	06/01/11	M		02/13/08	Hitchland 230 kV	Ochiltree 230 kV	1
20004	10331	156	regional reliability	Add 2-Winding 230/115 kV transformer at Ochiltree – 172.5 MVA	$5,846,295	SPS	06/01/11	M		02/13/08	Perryton Interchange 115 kV	Ochiltree 230 kV	1
	11033	783	regional reliability	Install second 230/115 kV transformer in Randall substation.	$11,250,000	SPS	08/24/11	06/01/10	NTC		Randall County Interchange 230 kV	Randall County Interchange 115 kV	2
20031	10822	632	regional reliability	Tap line from Tenneco - Boardman Tap 69 kV and add new 75/75 MVA 115/69 kV transformer at new Legacy Interchange substation.	$3,937,500	SPS	06/01/11	M		01/27/09	Legacy Interchange 115 kV (new interchange a	Boardman Tap 69 kV	1
20031	10823	632	regional reliability	Build new 6 mile 115 kV line from Doss Interchange - Legacy Interchange.	$3,375,000	SPS	06/01/11	M		01/27/09	Doss Interchange 115 kV	Legacy Interchange 115 kV (new interchange and sub)	1
20031	10824	632	regional reliability	Build new 5.5 mile 115 kV line from Gaines County Interchange - Legacy Interchange.	$3,093,750	SPS	06/01/11	M		01/27/09	Gaines County Interchange 115 kV	Legacy Interchange 115 kV (new interchange and sub)	1
20031	10825	633	regional reliability	Tap line 69 kV from Navajo No. 2 - Navajo No. 4, tap line 115 kV from Navajo No. 3 - Navajo No. 4, and install Eagle Creek Substation and 115/69 kV transformer.	$3,285,000	SPS	04/15/11	M		01/27/09	Eagle Creek 69 kV (new sub)	Eagle Creek 115 kV (new sub)	1
20031	10826	633	regional reliability	Build new 0.5 mile 115 kV line from new Navajo No. 5 substation - Navajo No. 4 substation 115 kV.	$281,250	SPS	04/15/11	M		01/27/09	Navajo No.5 Sub 115 kV (new sub)	Navajo No.4 Sub 115 kV	1
20031	10827	633	regional reliability	Build new 0.5 mile 115 kV line from new Navajo No. 5 substation - Navajo No. 3 substation 115 kV.	$281,250	SPS	04/15/11	M		01/27/09	Navajo No.5 Sub 115 kV (new sub)	Navajo No.3 Sub 115 kV	1
20031	10828	633	regional reliability	Build new 3 mile 69 kV line from Artesia Town - Artesia South Rural 69 kV.	$1,350,000	SPS	04/15/11	M		01/27/09	Artesia Town Sub 69 kV	Artesia South Rural Sub 69 kV	1
20031	10829	696	regional reliability	Convert 11.8 miles of 69 kV line to 115 kV from Chaves County - Price - Central Valley REC-Pine Lodge - Capitan - Roswell. SPS-provided mitigation was verified by SPP staff until 12/2012 when the conversion will be completed.	$4,716,600	SPS	06/01/11	06/01/11		01/27/09	Chaves County Interchange 115 kV	Roswell Interchange 115 kV	1
	11036	786	regional reliability	Reconductor 3.36 mile Maddox - Monument CKT 1 115 kV with 795 ACSR.	$1,417,500	SPS	06/25/11	06/01/11	NTC		Maddox Station 115 kV	Monument Sub 115 kV	1
	11096	829	regional reliability	Install second 115/69 kV transformer rated 75/86 MVA at Kingsmill.	$1,935,000	SPS	12/22/11	06/01/11	NTC		Kingsmill 69 kV	Kingsmill 115 kV	2
19987	10194	150	regional reliability	Upgrade #2 Transformer	$1,250,000	SPS	-	06/01/11		02/02/07	Kress 69 kV	Kress 115 kV	2
	11196	857	regional reliability	Reconductor EAST PLANT-PIERCE 1.06 miles 115 kV to 795 ACSR line	$596,250	SPS		06/01/11	NTC		East Plant 115 kV	Pierce 115 kV	1
	10741	580	regional reliability - non OATT	Replace Paragould auto transformers 1 and 2 with 70 MVA units.	$3,150,000	SWPA		12/01/11			Paragould 161 kV	Paragould 69 kV	1 & 2
	10944	612	regional reliability - non OATT	Replace wave trap, disconnect switches, current transformers, and breaker at Dardanelle	$165,000	SWPA	06/01/11	06/01/10			Dardanelle 161 kV	Russellville South 161 kV	1
20044	10938	705	Balanced Portfolio	Tap the existing WFEC Anadarko - Washita 138 kV line into the new Gracemont 345 kV substation.	$200,000	WFEC	12/31/11	M		06/19/09	Anadarko (Gracemont) Tap 138 kV		1
19951	10467	357	transmission service	'Install 2nd 112 MVA auto in parallel with existing Unit	$2,000,000	WFEC	06/01/11	M		01/02/07	Anadarko 138 kV	Anadarko 69 kV	2
20003	10471	361	regional reliability	Upgrade 7 miles to 795 ACSR from Fletcher SW to Marlow Junction 69 kV.	$2,000,000	WFEC	06/01/11	M		02/13/08	Fletcher 69 kV	Marlow Jct 69 kV	1
	11114	845	regional reliability	Upgrade Snyder CTs from 400A to 600A.	$225,000	WFEC		06/01/11	NTC		Snyder 69 kV	Tipton 69 kV	1
20003	10303	238	regional reliability	WFEC will build a double circuit 138 kV line, approximately 6.5 miles long, from AEP's Atoka substation to the south and looping into the WFEC Tupelo-Lane 138 kV line - Atoka to Tupelo line.	$8,265,000	WFEC	01/01/11	M		02/13/08	Atoka West 138 kV	Tupelo (WFEC) 138 kV	1
20003	10304	238	regional reliability	WFEC will build a double circuit 138 kV line, approximately 6.5 miles long, from AEP's Atoka substation to the south and looping into the WFEC Tupelo-Lane 138 kV line - Atoka to Lane line.		WFEC	01/01/11	M		02/13/08	Atoka East 138 kV	Lane (WFEC) 138 kV	1
20059	50243	30232	transmission service	Add 138 kV 30 Mvar Cap bank at Timber	$1,215,000	WR	06/01/11			09/18/09	Timber 138 kV		
20059	50244	30233	transmission service	Add 69 kV 15 Mvar Cap bank at Tioga	$607,500	WR	06/01/11			09/18/09	Tioga 69 kV		
	50291	30253	zonal - sponsored	one stage of 9.6 Mvar	$384,000	WR	06/01/11	M			Riley 115 kV		
	50292	30254	zonal - sponsored	Install 2nd block of 76.8 Mvar	$3,072,000	WR	12/01/11	M			Rose Hill 138 kV		
	50293	30255	zonal - sponsored	one stage of 10.8 Mvar	$432,000	WR	06/01/11	M			Butler County No. 5-Furley 69 kV		
20033	10349	266	regional reliability	Rebuild 0.23 mile Circle - HEC GT 115 kV line.	$710,000	WR	06/01/11	M		01/27/09	Hutchinson Gas Turbine Station 115 kV	Circle 115 kV	1
20033	10636	491	regional reliability	Rebuild 2.9 mile Bismark - Farmer's Consumer Co-op 115 kV.	$2,085,000	WR	06/01/11	06/01/11	NTC-Modify Timing	01/27/09	Bismark 115 kV	Farmer's Consumer Co-op 115 kV	1
20006	10482	369	regional reliability	Rebuild SW Lawrence - Wakarusa 115 kV line.	$2,000,000	WR	06/01/11	M		02/13/08	SW Lawrence 115 kV	Wakarusa 115 kV	1
20006	10483	370	regional reliability	Rebuild 1.53 miles Co-op-Wakarusa 115 kV line	$760,000	WR	06/01/11	M		02/13/08	Farmer's Consumer Co-op 115 kV	Wakarusa 115 kV	1
	10866	660	regional reliability	Tear down and rebuild 7.88 mile Gill - Clearwater 138 kV.	$3,324,375	WR		06/01/11	NTC		Gill W4 138 kV	Clearwater 138 kV	1
20033	10638	493	regional reliability	Rebuild Jarbalo - Stranger Ckt 2 7.1 miles of 115 kV and tap the existing Jarbalo - Northwest Leavenworth line into Stranger.		WR	06/01/11	M		01/27/09	Jarbalo 115 kV	Stranger Creek 115	2
20033	10639	493	regional reliability	Rebuild Stranger - Northwest Leavenworth 6.5 miles of 115 kV and tap existing Jarbalo - Northwest Leavenworth line into Stranger.	$8,050,000	WR	06/01/11	M		01/27/09	Stranger Creek 115	NW Leavenworth	1
20033	10806	618	regional reliability	Tap KSU - Wildcat 115 kV into Northwest Manhattan.	$17,437,500	WR	12/01/11	M		01/27/09	KSU Campus 115 KV	Wildcat 115 kV	1
20033	10808	618	regional reliability	Tap the Concordia - East Manhattan 230 kV line and build new Northwest Manhattan 230/115 kV substation.	$11,250,000	WR		M		01/27/09	Concordia 230 kV	East Manhattan 230 kV	1
20059	50239	30224	transmission service	Rebuild approximately 8.5 miles of line with 954-KCM ACSR to achieve a minimum 600 amp emergency rating.	$3,811,500	WR	12/01/11	06/01/11		09/18/09	Lehigh Tap 69 kV	Owl Creek 69 kV	1
20059	50232	30224	transmission service	Rebuild approximately 3 miles of line with 954 kcmil ACSR to achieve a minimum 600 amp emergency rating.	$1,418,500	WR	04/01/11			09/18/09	Athens Switching Station 69 kV	Owl Creek 69 kV	1
20059	50241	30230	transmission service	Replace bus and Jumpers at NE Parsons 138 kV substation	$250,000	WR	06/01/11			09/18/09	Neosho 138 kV	Northeast Parsons 138 kV	1
20059	50242	30231	Zonal Reliability	Tap Belle Plaine-Oxford 138 kV line, build a 3-breaker ring bus switching station, build approximately 12 miles 138 kV line from Sumner County 138 kV to Timber Junction 138 kV, and Install Timber Junction. 138-69 kV 100 MVA transformer with LTC.	$9,360,000	WR	06/01/11			09/18/09	Timber Junction 138 kV	Summer County Tap 138 KV	1
20059	50245	30224	transmission service	Rebuild approximately 5 miles of line with 954-KCM ACSR to achieve a minimum 1200 amp emergency rating.	$2,426,500	WR	01/01/11			09/18/09	Coffey County No. 4 Vernon 69 kV	Athens Switching Station 69 kV	1
20059	10810	622	Zonal Reliability	Rebuild approximately 5.5 mile Rose Hill Junction-Richland	$2,815,000	WR	06/01/11			09/18/09	Roshe Hill Junction 69 kV	Richland 69 kV	1
20033	10767	600	regional reliability	Tear down and rebuild the 3.43 mile 27th & Croco - 41st & California 115 kV line as a single circuit.	$3,227,500	WR	12/31/11	M		01/27/09	27TH & Croco Junction 115 KV	41ST & California 115 KV	1
20006	10417	321	regional reliability	Tear down/rebuild 1.91-miles of Oaklawn - Oliver 69 kV line replacing 477 kcmil ACSR conductor with 954 kcmil ACSR conductor. Limit would be 0.2-mile 750 kcmil CU underground cable.	$1,292,500	WR	06/01/11	M		02/13/08	Oaklawn 69 kV	Oliver 69 kV	1
20033	10350	267	regional reliability	Tear down and rebuild 7.3-mile Halstead - Mud Creek 69 kV line. Replace 336.4 kcmil ACSR conductor with 954 kcmil ACSR conductor and replace terminal equipment at substations.	$2,500,000	WR	06/01/11	06/01/11	NTC-Modify Timing	01/27/09	Halstead 69 kV	Mud Creek Junction 69 kV	1
20033	10351	267	regional reliability	Rebuild 1.0 mile Mud Creek Junction - Mid-American Junction 69 kV line. Replace 336.4 kcmil ACSR conductor with 954 kcmil	$360,000	WR	06/01/11	06/01/11	NTC-Modify Timing	01/27/09	Mud Creek Junction 69 kV	Mid-American Junction 69 kV	1

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20033	10352	267	regional reliability	Rebuild 3.9 mile Mid-American Junction - Newton 69 kV line. Replace 336.4 kcmil ACSR conductor with 954 kcmil ACSR conductor and replace terminal equipment at substations.	$1,300,000	WR	06/01/11	06/01/11	NTC-Modify Timing	01/27/09	Mid-American Junction 69 kV	Newton 69 kV	1
						Year 2012							
20015	50151	30143	transmission service	Upgrades to McNab Substation	$165,000	AECC	04/01/12			01/16/09	Turk 115	McNab REC 115 kV	1
20015	10460	351	transmission service	Reconductor line to 1590 ACSR the Hope-Fulton line. Build at 138 and operate at 115 kV	$1,512,000	AECC	04/01/12	M		01/16/09	Fulton 115 kV	Hope 115 kV	1
20015	10461	351	transmission service	Upgrade Fulton Switching Station	$440,000	AECC	04/01/12	M		01/16/09	Fulton 115 kV		
	50076	30070	zonal - sponsored	Add tap and switches for new delivery point along 69 kV line from 507187 Midland to old 507185 Excelsior station site.	$500,000	AEP	12/1/2012				Sugar Loaf 69 kV		
20016	50165	30157	transmission service	Rebuild 5.92 miles of 266 ACSR with 795 ACSR. Replace 69 kV switches, jumpers, and reset CTs and relays at Texarkana Plant.	$8,193,000	AEP	04/01/12	M		01/16/09	Texarkana Plant 69 kV	South Texarkana REC 69 kV	1
20016	50164	30156	transmission service	Change out the 500 Cu jumpers at Texarkana Plant.	$128,000	AEP	04/01/12	M		01/16/09	SE Texarkana 69 kV	Texarkana Plant 69 kV	1
20016	50163	30155	transmission service	Replace 69 kV switches.	$80,000	AEP	04/01/12	M		01/16/09	Okay 69 kV	Tollette 69 kV	1
20048	50156	30148	transmission service	Replace 69 kV switch at Lone Star Ordinance Tap with a minimum 800 amp emergency rating	$273,400	AEP	06/01/12	M		09/18/09	Bann 69 kV	Lone Star Ordinance Tap 69 kV	1
20016	50160	30152	transmission service	Replace 138 kV breaker, switches, and jumpers at Linwood. Replace circuit switcher at Powell Street.	$456,000	AEP	06/01/12	M		01/16/09	Powell Street 138 kV	Linwood 138 kV	1
20016	50148	30142	transmission service	Build approximately 33 miles of of 2-954 ACSR from Turk to NW Texarkana.		AEP	04/01/12	M		01/16/09	Turk 345 kV	NW Texarkana 345 kV	1
20016	50149	30142	transmission service	Add 345 kV terminal at NW Texarkana	$48,580,000	AEP	04/01/12	M		01/16/09	Turk 345 kV	NW Texarkana 345 kV	1
20016	50150	30142	transmission service	Add 345 kV terminal at Turk (Hempstead)		AEP	04/01/12	M		01/16/09	Turk 345 kV	NW Texarkana 345 kV	1
20016-1	10456	349	transmission service	Add Turk 345/138 kV transformer	$7,310,000	AEP	04/01/12	M		09/18/09	Turk 138 kV	Turk 345 kV	1
20016	10374	288	transmission service	Install 345 kV terminal equipment at Valliant Substation	$3,840,000	AEP	04/01/12	M		01/16/09	Hugo Power Plant 345 kV	Valliant 345 kV	1
	11155	875	regional reliability	Replace 69 kV switch 11985 and 1033 AAC jumpers at Sugar Hill.	$100,000	AEP		04/01/12	NTC		Sugar Hill 138 kV	Sugar Hill 69 kV	1
20027	10510	392	regional reliability	Rebuild 3.49 miles of Howell - Kilgore 69 kV 4/0 ACSR with 795 ACSR.	$3,986,000	AEP	06/01/12	M		01/27/09	Howell 69 kV	Kilgore 69 kV	1
20000	10505	387	regional reliability	Replace wave trap at Okmulgee.	$125,000	AEP	06/01/12	M		02/13/08	Riverside Station 138 kV	Okmulgee 138 kV	1
20000	10506	388	regional reliability	Replace 2 sets of New Boston switches on terminal to North New Boston.	$100,000	AEP	06/01/12	M		02/13/08	North New Boston 69KV	New Boston 69 kV	1
20000	10509	391	regional reliability	Replace 138 kV wavetraps at both ends. Reset CTs at Lone Star South. Replace138 kV switches & reset relays at Pittsburg.	$300,000	AEP	06/01/12	M		02/13/08	Lone Star South 138 kV	Pittsburg 138 kV	1
20000	10140	113	regional reliability	Convert Red Point-Haughton to 138 kV, 1590 ACSR (includes Red Point terminal & Haughton station conversion).	$9,480,000	AEP	06/01/12	M		02/13/08	Haughton 138 kV	Red Point 138 kV	1
20000	10141	113	regional reliability	Convert Haughton-McDade to 138 kV, 1590 ACSR (includes McDade station conversion).	$19,482,000	AEP	06/01/12	M		02/13/08	Mcdade 138 kV	Haughton 138 kV	1
20000	10786	113	regional reliability	Build new Caplis-McDade 138 kV, 1590 ACSR line	$11,988,400	AEP	06/01/12	M		02/13/08	Mcdade 138 kV	Caplis 138 kV	1
	10834	636	zonal - sponsored	Install new 138 kV line from Chireno to Martinsville	$7,617,000	DETEC	06/01/12				Chireno 138 kV	Martinsville 138 kV	1
20036	10839	638	regional reliability	Reconductor 8.92 mile Nichols - Sedalia 69 kV with 556 ACSR and upgrade CTs.	$3,520,000	EDE	06/01/12	06/01/10	NTC-Modify Timing	01/27/09	SUB 170 - Nichols ST. 69 kV	Sedalia 69 kV	1
20036	10546	420	regional reliability	Replace jumpers on breaker #6950 at Blackhawk Junction with 556 ACSR for rates 73/89 MVA.	$50,000	EDE	06/01/12	M		01/27/09	Jamesville 69 kV	SUB 415 - Blackhawk Junction 69 kV	1
20028	50080	30074	regional reliability	Install (3) 7.2 Mvar capacitors for a total of 21.6 Mvar at Tahlequah West 69 kV.	$779,000	GRDA	07/01/12	M		01/27/09	Tahlequah West 69 kV		
20040	10927	698	Balanced Portfolio	Install terminal equipment at Cleveland Substation	$1,806,000	GRDA	12/31/12	M		06/19/09	Sooner 345 kV	Cleveland 345 kV	1
20021	10385	299	regional reliability	Reconductor line to 1590 ACSR, A = 347, B = 403. $255K/mile @ 8.8 mi.	$4,212,500	GRDA	06/01/12	M		01/16/09	Kansas Tap 161 kV	W Siloam Springs 161 kV	1
20021	10386	299	regional reliability	Reconductor line to 1590 ACSR, A = 347, B = 403. $255K/mile @ 4.2 mi.	$1,700,000	GRDA	06/01/12	M		01/16/09	W Siloam Springs 161 kV	Siloam City 161 kV	1
	10955	718	regional reliability - non OATT	Adding 115 kV line from Sub F - Libory. City of Grand Island Owned Transmission Facility that is NOT under SPP OATT	$3,937,500	GRIS	12/01/12	M			SUB-F 7 115 kV	ST.LIB 7 115 kV	1
	10956	719	regional reliability - non OATT	Upgrade line to 179 MVA. City of Grand Island Owned Transmission Facility that is NOT under SPP OATT.	$200,000	GRIS	04/01/12	M			SUB H 115 kV	SUB E 115 kV	1
20018	10405	313	transmission service	Install new line from Valliant 345 kV to Hugo Power Plant with 19 miles of bundled 795 ACSR conductor	$18,000,000	ITCGP	04/01/12	M		01/16/09	Hugo Power Plant 345	Valliant 345 kV	1
20018	10406	314	transmission service	Install new 345/138 kV transformer	$12,000,000	ITCGP	04/01/12	M		01/16/09	Hugo Power Plant 345 kV	HugoPower Plant 138 kV	1
20042	10934	702	Balanced Portfolio	West Gardner 345kV bus cut-in to Swissvale-Stillwell 345 kV line	$2,000,000	KCPL	06/01/12	M		06/19/09	West Gardner 345 kV		
	10490	377	zonal - sponsored	New Middle Creek sub and Paola-Middle Creek 161kV line	$2,622,850	KCPL	06/01/12	M			Paola 161 kV	Middle Creek 161 kV	1
	10491	378	zonal - sponsored	New North Louisburg-Middle Creek 161kV line	$12,179,000	KCPL	06/01/12	M			North Louisburg 161 kV	Middle Creek 161 kV	1
	10540	414	zonal - sponsored	New Cedar Niles-Clare 161 kV Line & Clare substation	$3,756,500	KCPL		M			Cedar Niles	Clare 161 kV	1
20009	10543	417	regional reliability	Upgrade wavetrap at Gladstone from 800 A to 1200 A	$13,000	KCPL	06/01/12	M		02/13/08	Avondale 161 kV	Gladstone 161 kV	1
	11086	823	regional reliability - non OATT	New substation and transformer 115/69 kV 44 MVA	$1,000,000	LEA		06/01/12			LE_ERF 115 kV	LE_ERF 69 kV	1
	11087	823	regional reliability - non OATT	New Line 69 kV	$1,000,000	LEA		06/01/12			LE_ERF 69 kV	Lea- Ancell 69 kV	1
	11088	823	regional reliability - non OATT	New Line 69 kV	$1,000,000	LEA		06/01/12			LE_ERF 69 kV	Lea- Gaines 69 kV	1
20046	10941	707	Balanced Portfolio	Install new 345/230 kV transformer at Wolf	$3,000,000	MIDW	06/01/12	M		06/19/09	Wolf 345 kV	Wolf 230	1
20007	50104	30098	regional reliability	Install 20 Mvar capacitor bank at Plainville 115 kV.	$1,600,000	MKEC	06/01/12	M		02/13/08	Plainville 115 kV		
	50248	30236	regional reliability	Install 36 Mvar capacitor bank at Kearney 115 kV.	$1,000,000	NPPD	06/01/12	06/01/12	NTC		Kearney 115 kV		
	50207	30200	regional reliability	Add one 15 Mvar cap at Petersburg.	$607,500	NPPD	11/01/12	11/01/12	NTC		Petersburg 115 kV		
	50208	30201	regional reliability	Add one 18 Mvar cap at Clarks 7.	$729,000	NPPD	11/01/12	11/01/12	NTC		Clarks 115 kV		
	50209	30202	regional reliability	Expand existing 9 Mvar cap to 18 Mvar cap at Ainsworth	$50,000	NPPD	11/01/12	11/01/12	NTC		Ainsworth 115 kV		
	50206	30199	zonal - sponsored	Add one 9 Mvar cap at Oneill 69 kV	$364,500	NPPD	11/01/12	11/01/12			Oneill 69 kV		
	50210	30203	regional reliability	Add one 18 Mvar cap at Oneill 115	$729,000	NPPD	11/01/12	11/01/12	NTC		Oneill 115 kV		
	10954	717	zonal - sponsored	Tap CENCITY7 - Silver Creek 115 kV at CLARKS7. Build new 115 kV line from CLARKS7 - CEN.C.N7. Radial 115 kV line for TransCanada Keystone XL project.	$5,625,000	NPPD	11/01/12	M			Clarks 115 kV	CEN.C.N7 115 kV	1
	10969	732	zonal - sponsored	Build new line from Oneill to new STUARTS7. Radial 115 kV line for TransCanada Keystone XL project.	$16,031,250	NPPD	11/01/12	M			Oneill 115 kV	Stuarts 115 kV	1
	10975	738	zonal - sponsored	Build new line from Petersburg to new ERICSON7. Radial 115 kV line for TransCanada Keystone XL project.	$19,687,500	NPPD	11/01/12	M			Petersburg 115 kV	Ericson 115 kV	1
	10986	749	regional reliability	Uprate conductor and terminal equipment to 100 Deg Rating by 2012. 155 MVA normal continuous rating. 155 MVA 4-hour emergency rating.	$2,000,000	NPPD	06/01/12	06/01/12	NTC		Maloney 115 kV	North Platte 115 kV	1
	11080	818	regional reliability	Uprate conductor and terminal equipment to 100 Deg Rating by 2012. 137 MVA normal continuous rating. 137 MVA 4-hour emergency rating.	$1,000,000	NPPD	06/01/12	06/01/12	NTC		Loup City 115 kV	North Loup 115 kV	1
	11151	629	regional reliability	Build new 5.5 miles double circuit line from Twin CH- new South Sioux City sub. Includes rebuild of Twin Church sub and new South Sioux City sub.		NPPD	06/01/12	M	NTC		Twin Church 115 kV	South Sioux City 115 kV	1
	11206	629	zonal - sponsored	Rate B was increased from 88 MVA to 99 MVA by replacing substation terminal equipment.	$33,000,000	NPPD	12/31/08	M			Twin Church 115 kV	Belden 115 kV	1
	11152	629	regional reliability	Build new 5.5 miles double circuit line from Twin CH- new South Sioux City sub. Includes rebuild of Twin Church sub and new South Sioux City sub.		NPPD	06/01/12	M	NTC		Twin Church 115 kV	South Sioux City 115 kV	2
20029	10749	583	regional reliability	Install new tap for Adabell substation.	$4,972,000	OGE	03/31/12	M		01/27/09	VBI 161 kV	Adabell 161 kV	1
20029	10749	583	regional reliability	Install new tap for Adabell substation.	$4,972,000	OGE	03/31/12	M		01/27/09	Aloca Tap 161 kV	Adabell 161 kV	1
20055	10668	523	regional reliability	New 345 kV line from Sooner to Oklahoma/Kansas Stateline or the interface with the Westar Energy line segment to achieve 3000	$45,000,000	OGE	06/01/12	M		09/18/09	Sooner 345 kV	Rose Hill 345 kV	1
20041	10929	699	Balanced Portfolio	Build new 345 kV line from Sooner to Cleveland. Install terminal equipment at Sooner	$47,200,000	OGE	12/31/12	M		06/19/09	Sooner 345 kV	Cleveland 345 kV	1
20017	50169	30161	transmission service	Add 345 kV line from Sunnyside to WFEC interception of 345 kV line from Hugo, Install 345 kV breaker, switches, and relays at Sunnyside.	$200,000,000	OGE	04/01/12	M		01/16/09	Hugo 345 kV	Sunnyside 345 kV	1
20017	50171	30163	transmission service	Add 2nd 345/138 kV Auto Transformer	$10,000,000	OGE	04/01/12	M		01/16/09	Sunnyside 345 kV	Sunnyside138 kV	2
	10837	551	regional reliability	Install 2 miles of 161 kV from Johnson to Oak Park and install terminal equipment at Oak Park.	$3,200,000	OGE	06/01/12	06/01/12	NTC		Oak Park 161 kV	Johnson 161 kV	1
	10701	551	regional reliability	Convert 5.6 miles of 69 kV to 161 kV.	$5,500,000	OGE	06/01/12	06/01/12	NTC		Johnson 161 kV	Massard 161 kV	1
	11002	759	zonal - sponsored	Replace terminal equipment so that the overall facility rating is 352 MVA.	$565,000	OPPD	11/10/12	11/10/12			SUB 1221 161 kV	S1255 161 kV	1
20058	50110	30104	regional reliability	Add 24 Mvar Cap bank at North Cimarron	$2,500,000	SEPC	06/01/12			09/18/09	North Cimarron 115 kV		
20045	10939	706	Balanced Portfolio	Build new 345 kV line from Spearville to interception point of Spearville to Knoll line.	$54,000,000	SEPC	06/01/12	M		06/19/09	Spearville 345 kV	Wolf 345 kV	1
	11102	835	regional reliability	Move load from 69 to 115 kV bus	$16,245,000	SPS	11/17/12	06/01/14			EST Clovis 69 kV	E Clovis 115 kV	1
	11103	835	regional reliability	Reconductor 5.35 mile FE-Clovis to Curry CKT 1 with 397.5 ACSR.	$2,257,031	SPS	12/17/12	06/01/14			FE-Clovis 115 kV	FE-Holland 115 kV	1
	11056	797	regional reliability	Add second 230/138kV transformer at Borden County by moving old from Midland when retired.	$11,250,000	SPS	03/21/12	06/01/10	NTC		Caprock REC-Vealmoor 138 kV	Borden County Interchange 230 kV	2
	11045	791	regional reliability	New 15 mile Lampton Interchange - Hart Industrial Substation 115 kV line.	$8,438	SPS	12/16/12	06/01/10	NTC		Lamton Interchange 115 kV	Hart Industrial 115 kV	1
	11041	791	regional reliability	New 19 mile Swisher County Interchange - Newhart 230 kV line.	$16,031,250	SPS	12/16/12	06/01/10	NTC		Newhart 230 kV	Swisher County Interchange 230 kV	1
	11042	791	regional reliability	New 18 mile Kress - Newhart 115 kV line.	$10,125,000	SPS	12/16/12	06/01/10	NTC		Kress Interchange 115 kV	Newhart 115 kV	1
	11043	791	regional reliability	New 24 mile Castro County Interchange - Newhart 115 kV line.	$13,500,000	SPS	12/16/12	06/01/10	NTC		Castro County Interchange 115 kV	Newhart 115 kV	1
	11089	824	regional reliability	Convert existing 89.22 mile Hobbs - Midland 230 kV line to operate at 345 kV.	$4,725,000	SPS	01/21/12	06/01/10	NTC		Hobbs 345 kV	Midland 345 kV	1
	11021	774	regional reliability	Convert Hastings Sub from 69kV to 115 kV	$5,062,500	SPS	08/18/12	06/01/10	NTC		Hastings 115 kV	Hastings 115 kV	
	11022	774	regional reliability	New 5 mile Hastings - Bush 115 kV line.	$2,200,000	SPS	09/01/12	06/01/10	NTC		Hastings 115 kV	Bush Sub 115 kV	1
	11038	789	regional reliability	Reconductor .27 mile Roswell Interchange - Brasher Tap 115 kV with 397 kcmil conductor.	$114,000	SPS	05/26/12	06/01/12	NTC		Roswell Interchange 115 kV	Brasher Tap	1
	11085	704	Balanced Portfolio	Add second 345/230/13.2 kV Tuco Interchange 515/560 MVA transformer.	$11,250,000	SPS		06/01/12	NTC-Modify Timing	06/19/09	Tuco Interchange 345 kV	Tuco Interchange 230 kV	2
	11052	795	regional reliability	New 230/115kV transformer at Frio-Draw substation.	$11,250,000	SPS	05/21/12	06/01/11	NTC		Frio-Draw 230kV	Frio-Draw 115 kV	1
	11053	795	regional reliability	Build new 16 mile Frio-Draw - Oasis 230kV line.	$13,500,000	SPS	05/21/12	06/01/11	NTC		Frio-Draw 230kV	Oasis Interchange 230 kV	1

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	11054	795	regional reliability	Build new 26 mile Frio-Draw - Roosevelt County 230kV line.	$21,937,500	SPS	11/17/12	06/01/11	NTC		Frio-Draw 230kV	Roosevelt County Interchange 230 kV	1
	11176	887	regional reliability	Build new 9 mile Canyon West - Spring Draw 115 kV line.	$7,762,500	SPS	12/16/12	6/1/2010	NTC		Canyon West 115 kV	Spring Draw 115 kV	1
	11177	888	regional reliability	Build new 20 mile Randall Co - Amarillo South 230 kV line.	$27,450,000	SPS	12/16/12	6/1/2010	NTC		Randall Co 230 kV	Amarillo South 230 kV	1
	10835	102	regional reliability - non OATT	Upgrade Nixa #2 transformer to 70 MVA	$1,575,000	SWPA		06/01/18			Nixa 161 kV	Nixa 69 kV	2
	50294	30257	regional reliability - non OATT	10 Mvar cap at Gregory WAPA	$405,000	WAPA	06/01/12				Gregory 115 kV		
	50296	30258	regional reliability - non OATT	21.6 Mvar cap at Martin WAPA	$874,800	WAPA	06/01/12				Martin 115 kV		
	50297	30259	regional reliability - non OATT	30 Mvar cap bank at PHILLIPS WAPA	$1,215,000	WAPA	06/01/12				Phillips 115 kV		
19985	50047	30041	regional reliability	Install 12 Mvar capacitor at Comanche 138 kV bus.	$350,000	WFEC	06/01/12	M		02/02/07	Comanche 138 kV		
20003	50099	30093	regional reliability	Install 12 Mvar capacitor at Latta Junction 138 kV.	$324,000	WFEC	06/01/12	M		02/13/08	Latta Junction 138 kV		
20018	50173	30165	transmission service	Install 345 kV breaker at Hugo	$2,000,000	WFEC	04/01/12	M		01/16/09	Hugo 345 kV	Sunnyside 345 kV	1
20003	10522	402	regional reliability	Convert 3 miles of 69 kV to 138 kV from Indiahoma to Grandfield.	$1,125,000	WFEC	06/01/12	M		02/13/08	Grandfield 138 kV	Indiahoma 138 kV	1
20003	10523	402	regional reliability	Tap Cache to Paradise 138 kV and install 13.7 miles of 138 kV from Cache to Indiahoma.	$7,306,000	WFEC	06/01/12	M		02/13/08	Indiahoma 138 kV	Cache SW 138 kV	1
20003	10524	402	regional reliability	Install new 138/69 kV transformer at Grandfield	$5,000,000	WFEC	06/01/12	M		02/13/08	Grandfield 138 kV	Grandfield 69 kV	1
20003	10519	399	regional reliability	Upgrade line from 1/0 to 336.4, 4.85 miles	$1,347,000	WFEC	06/01/12	M		02/13/08	Lindsay 69 kV	Wallville 69 kV	1
20003	10520	400	regional reliability	WFEC will upgrade 800 A CTs, new CT limit will be 1200 A at Pharaoh.	$225,000	WFEC	06/01/12	M		02/13/08	Pharoah 138 kV	Weleetka 138 kV	1
20003	10521	401	regional reliability	Replace CT at WFEC Russell	$50,000	WFEC	06/01/12	M		02/13/08	WFEC Russell 138 kV	AEP Altus Jct Tap 138 kV	1
	10878	672	regional reliability	Reconductor 6.5 miles of 1/0 conductor with 336.4 ACSR.	$1,950,000	WFEC		06/01/12	NTC		El Reno 69 kV	El Reno SW 69 kV	1
20006	50102	30096	Zonal Reliability	Install 20 Mvar capacitor bank at Eudora 115 kV.	$580,000	WR	06/01/12	M		02/13/08	Eudora 115 kV		
20059	50229	30225	transmission service	Add 15 Mvar Cap bank at Allen	$607,500	WR	06/01/12			09/18/09	Allen 69 kV		
	50295	30256	zonal - sponsored	Install 2nd block of 14.4 Mvar	$1,120,000	WR	06/01/12	M			Clearwater 138 kV		
20033	10602	463	regional reliability	The East Manhattan-McDowell 115 kV is built as a 230 kV line but is operated at 115 kV. Substation work will have to be performed in order to convert this line to 230 kV operation..	$4,100,000	WR	06/01/12	M		01/27/09	East Manhattan 230kV	McDowell 230kV	1
	10995	754	zonal - sponsored	Build a new 138kV line from Clearwater and a new 138kV line from Evans to serve the new Goddard substation	$5,625,000	WR	06/01/12	M			Clearwater 138 kV	Goddard 138 kV	1
	10996	754	zonal - sponsored	Build a new 138kV line from Clearwater and a new 138kV line from Evans to serve the new Goddard substation	$5,625,000	WR	06/01/12	M			Evans Energy Center South 138 kV	Goddard 138 kV	1
20059	50228	30224	transmission service	Rebuild approximately 6 miles of line with 954-KCM ACSR to achieve a minimum 600 amp emergency rating	$2,560,500	WR	06/01/12			09/18/09	Allen 69 kV	Lehigh Tap 69 kV	1
20006	10221	172	regional reliability	Convert TEC-Midland from 161 kV to 115 kV	$2,100,000	WR	06/01/12	M		02/13/08	Tecumseh Energy Center 115 kV	Midland 115 kV	1
19964	10488	375	transmission service	Install 3rd Rose Hill 345/138 kV TRANSFORMER.	$8,100,000	WR	06/01/12	M		06/27/07	Rose Hill 345 kV	Rose Hill 138 kV	3
20063	10870	664	regional reliability	Tear down and rebuild 1.8 mile Gill Energy Center West - Waco 138 kV with bundled 1192.5 ACSR conductor.	$1,000,000	WR	06/01/12	06/01/13		11/02/09	Gill Energy Center West 138 kV	Waco 138 kV	1
						Year 2013							
20027	10575	443	regional reliability	Tap the South Springdale-East Fayetteville 161 kV line and build 1.5 miles of 161 kV to new Osbourne station.	$2,000,000	AEP	06/01/13	M		01/27/09	Osbourne 161 kV	Osbourne Tap 161 kV	1
	10695	546	regional reliability	Rebuild the 26.2 mi Carnegie - Hobart Jct. 138 kV line from 397 ACSR to 1272 ACSR. Replace 3 switches, wave traps and jumpers. Reset CTs and relays.	$26,150,000	AEP		06/01/13	NTC		Hobart Junction 138 kV	Carnegie 138 kV	1
	10696 & 10697	546	regional reliability	Reconductor the 14.37 mile Southwest Station - Carnegie 138 kV line from 795 ACSR to 1272 ACSR. Replace wave traps and jumpers.	$11,030,000	AEP		06/01/13	NTC		Carnegie 138 kV	Southwest Station 138 kV	1
20064	11015	770	regional reliability	Rebuild 2.45 miles of 795 ACSR with 1590 ACSR and reset relays.	$2,500,000	AEP	06/01/13			11/02/09	Ashdown 138 kV	Craig Junction 138 kV	1
20057	10687	539	transmission service	Brookline: Replace 1,200 amp switches with 2,000 amp units and replace metering CTs. Junction: Replace 1,200 amp switches with	$120,000	CUS	06/01/13	06/01/19		09/18/09	Brookline 161 kV	Junction 161 kV	1
20034	10847	646	regional reliability	Replace Clinton 161/69 kV transformer #1 with new 100/125 MVA to match transformer #2.	$2,000,000	GMO	06/01/13	M		01/27/09	Clinton 69 kV	Clinton 161 kV	1
	10430	333	zonal - sponsored	161kV Tap of Hallmark to Sibley	$302,795	GMO	06/01/13	M			Ritchfield 161	Sibley 161	1
	10432	335	zonal - sponsored	161kV Tap of Hallmark to Sibley	$0	GMO	06/01/13	M			Hallmark 161	Ritchfield 161	1
	10541	414	zonal - sponsored	New Quarry-Clare 161 kV Line	$1,385,000	KCPL	06/01/13	M			Quarry 161 kV	Clare 161 kV	1
	10544	418	zonal - sponsored	New Waldron sub cut-in	$1,632,300	KCPL	06/01/13	M			Waldron 161 kV	Maywood 161 kV	1
	10545	418	zonal - sponsored	New Waldron sub cut-in		KCPL	06/01/13	M			Waldron 161 kV	Weatherby 161 kV	1
	10952	715	regional reliability	Reconductor GMO portion of Glenare - Liberty 69 kV for 70/79 MVA rating.	$200,000	KCPL		06/01/13	NTC		Glenare 69 kV	Liberty 69 kV	1
	10948	711	zonal - sponsored	Add NW68th Holdrege 345/115kV Transformer #2. Driven by NERC Category C (TPL-003) - prior outage of one 345/115kV transformer, followed by an outage of a second 345/115kV transformer.	$11,250,000	LES	05/31/13	M			NW68 & HOLDRIDGE 115 kV	Nw68 & Holdridge 345 Kv	1
20046	10940	707	Balanced Portfolio	Build new 345 kV line from Knoll to interception point of Spearville to Knoll line.	$42,000,000	MIDW	06/01/13	M		06/19/09	SPEARVILLE 345 kV	Wolf 345 kV	1
20046	10943	707	Balanced Portfolio	Build new 345 kV line from Knoll to interception point of Axtell to Knoll line.	$66,000,000	MIDW	06/01/13	M		06/19/09	Axtell 345 kV	Wolf 345 kV	1
20032	10914	697	regional reliability	Rebuild 21.1 mile HEC - Huntsville 115 kV line and replace CT, wave trap and relays.	$6,250,000	MIDW		06/01/13		01/27/09	Hutchinson Energy Center 115 KV	Huntsville 115 kV	1
	10858	653	regional reliability	Rebuild 21.9 mile St. John - Pratt 115 kV line with 795 ACSR conductor.	$9,239,000	MKEC		06/01/13	NTC		St. John 115 kV	Pratt 115 kV	1
	50213	30206	regional reliability	Install 9 Mvar capacitor bank at Gordon 115 kV.	$1,000,000	NPPD	06/01/12	06/01/13	NTC		Gordon 138 kV		
20047	10942	708	Balanced Portfolio	Build new 345 kV line from Axtell to interception point of Axtell to Wolf line (Kansas Border). Includes substation expansion at Axtell and line reactor.	$76,000,000	NPPD	06/01/13	M		06/19/09	Axtell 345 kV	Wolf 345 kV	1
	11079	817	regional reliability	Uprate line and substation equipment to 100 Deg C Rating by 2013. 174 MVA Normal Continuous Rating. 174 MVA 4-Hour Emergency Rating.	$1,000,000	NPPD	06/01/13	06/01/13	NTC		Albion 115 kV	Spalding 115 kV	1
20029	10843	642	regional reliability	Remove wavetrap at VBI.	$10,000	OGE	06/01/13			01/27/09	Kilgore 69 kV	VBI 69 kV	1
	10300	235	regional reliability	Reconductor 2.2 miles to 1590 kmcm ACSR and change terminal equipment at Ft. Smith and Colony substations to 2000A.	$2,500,000	OGE	06/01/13	06/01/13	NTC		Fort Smith 161 kV	Colony 161 kV	1
20041	10930	700	Balanced Portfolio	Build new 345 kV line from Seminole to Muskogee	$131,000,000	OGE	12/31/13	M		06/19/09	Seminole 345 kV	Muskogee 345 kV	1
20041	10931	700	Balanced Portfolio	Install 3rd 345/138 kV transformer at Seminole	$4,000,000	OGE	12/31/13	M		06/19/09	Seminole 138 kV	Seminole 345 kV	3
	11139	862	regional reliability	Rebuild 2 mile Sub 906 North - Sub 928 line. Change CT tap settings, and replace line jumpers for 110 MVA rating.	$4,638,000	OPPD		06/01/13	NTC		SUB 906 North 69 kV	SUB 928 69 kV	1
	11141	864	regional reliability	Increase line clearances to allow the use of a higher conductor rating.	$272,000	OPPD		06/01/13			SUB 907 69 kV	Sub 919 69 kV	1
	11044	791	regional reliability	Build new 4 mile Hart Industrial Substation - Newhart Substation 115 kV line.	$2,250,000	SPS	03/16/13	06/01/10	NTC		Hart Industrial 115 kV	Newhart 115 kV	1
	11023	774	regional reliability	Build new 3.7 mile Hastings - East Plant 115kV line.	$1,700,000	SPS	03/16/13	06/01/10	NTC		Hastings Sub 69 kV	East Plant Interchange 115 kV	1
	11047	793	regional reliability	Reconductor 5.5 mile Gains County Interchange - Legacy 115 kV line.	$2,320,300	SPS		06/01/13	NTC		Gaines County Interchange 115 kV	Legacy 115 kV	1
	11050	795	regional reliability	Build new 130 mile 345 kV line from Potter to new Frio-Draw substation at Roosevelt.	$146,250,000	SPS	12/31/13	06/01/13	NTC		Frio-Draw 345kV	Potter County Interchange 345 kV	1
	11051	795	regional reliability	Build new Frio-Draw substation with 345/230 kV transformer.	$11,250,000	SPS	12/31/13	06/01/13	NTC		Frio-Draw 345 kV	Frio-Draw 230kV	1
	11049	794	regional reliability	Add a second Grave 115/69 kV transformer.	$900,000	SPS	06/01/13	06/01/13	NTC		GRAVE 3 115 kv	Grave 2 69 kV	2
	11101	834	regional reliability	Convert existing 3 mile Portales Interchange - Zodiac 69 kV line to operate at 115 kV.	$3,487,500	SPS	05/21/13	06/01/13	NTC		Portales Interchange 115 kV	Zodiac 115 kV	1
	10841	640	regional reliability - non OATT	Resag conductor and replace some structures.	$50,000	SWPA		M			Malden 69 kV	New Madrid 69 kV	1
	11014	769	regional reliability - non OATT	Replace bus and CTs at Norfolk.	$112,500	SWPA		06/01/13			Norfolk 161 kV	Southland 161 kV	1
20030	50186	30178	regional reliability	Install 6 Mvar capacitor bank at Electra 69 kV bus for a total of 18 Mvar at this location.	$240,000	WFEC	06/01/13	06/01/11	NTC-Modify Timing	01/27/09	Electra 69 kV		
	11115	846	regional reliability	Rebuild 25.2 mile Anadarko - Blanchard 69 kV as 138 kV.	$14,737,500	WFEC		06/01/13	NTC		Anadarko 138 kV	Blanchard 138 kV	1
	11116	846	regional reliability	Rebuild 2 mile Blanchard - OU Switchyard 69 kV as 138 kV.	$1,125,000	WFEC		06/01/13			Blanchard 138 kV	OU Switchyard 138 kV	1
20006	50111	30105	Zonal Reliability	Install 30 Mvar capacitor at Springhill 115 kV.	$1,000,000	WR	06/01/13	M		02/13/08	Springhill 115 kV		
20059	50231	30227	transmission service	Add 15 Mvar Cap bank at Athens	$607,500	WR	06/01/13			09/18/09	Athens 69 kV		
	50298	30260	zonal - sponsored	1 stage of 10.8 Mvar	$432,000	WR	06/01/13	M			Scranton 115 kV		
	50299	30261	zonal - sponsored	1 stage of 10.8 Mvar	$432,000	WR	06/01/13	M			Shawnee Heights 115 kV		
	10603	467	regional reliability	Replace wave traps on Gill - Interstate 138 kV line for a new rating of 232/256 MVA.	$50,000	WR		06/01/13	NTC		Gill Energy Center East 138 kV	Interstate 138 kV	1
20033	10844	643	regional reliability	Tap the Neosho - Twin Valley line into Altamont.	$4,000,000	WR	06/01/13	M		01/27/09	TWIN VALLEY NO. 1 MOUND VALLEY 138 K	Neosho 138 kV	1
20063	10846	645	regional reliability	Add second transformer in 17th Street substation.	$2,400,000	WR	06/01/13	M		11/02/09	17TH Street 4 138 kV	17TH Street 2 69 kV	1
20033	10678	533	regional reliability	Install second Auburn Road 230/115 kV transformer.	$12,622,500	WR	06/01/13	06/01/15	NTC-Modify Timing	01/27/09	Auburn 230 kV	Auburn 115 kV	2
	11082	819	regional reliability	Rebuild 5.56 mile Gill Energy Center East - MacArthur 60 kV line. Replace substation bus and jumpers at MacArthur 69 kV.	$3,127,500	WR		06/01/13	NTC		Gill Energy Center East 69 kV	Macarthur 69 kV	1
20059	50233	30224	transmission service	Rebuild approximately 7 miles of line with 954 kcmil ACSR to achieve a minimum 1200 amp emergency rating.	$3,340,000	WR	07/01/13			09/18/09	Burlington Junction 69 kV	Coffey County No. 3 Westphalia 69 Kv	1
20059	50234	30224	transmission service	Rebuild approximately 4 miles of line with 954 kcmil ACSR to achieve a minimum 1200 amp emergency rating.	$1,945,000	WR	01/01/13			09/18/09	Burlington Junction 69 kV	Wolf Creek 69 kV	1
20059	50240	30224	transmission service	Rebuild approximately 1 mile of line with 954-KCM ACSR to achieve a minimum 600 amp emergency rating.	$593,775	WR	11/01/13			09/18/09	LEHIGH TAP 69 KV	United No. 9 Conger 69 kV	1
20059	10674	529	regional reliability	New 345 kV line from Oklahoma/Kansas Stateline or the interface with the OG&E line segment to Rose Hill to achieve 3000 amp or	$84,669,696	WR	01/01/13	M		09/18/09	Sooner 345 kV	Rose Hill 345 kV	1
						Year 2014							
20000	10584	450	regional reliability	Install 345/161 kV transformer at Shipe Road.	$13,104,000	AEP	06/01/14	M		02/13/08	Shipe Road 345 kV	Shipe Road 161 kV	1
20000	10585	450	regional reliability	Install 22 miles of new 345 kV, 2-954 ACSR line.	$34,085,000	AEP	06/01/14	M		02/13/08	Flint Creek 345 kV	Shipe Road 345 kV	1
20000	10582	450	regional reliability	Install 2 miles of 161 kV from new Shipe Road Substation to East Centerton Substation.	$11,962,000	AEP	06/01/14	M		02/13/08	Shipe 161 kV	East Centerton 161 kV	1
20027	10853	649	regional reliability	Reconductor 2.15 mile section of 115 kV line with 795 ACSR.	$2,150,000	AEP	06/01/14	M		01/27/09	Lone Star 115 kV	Locust Grove 115 kV	1

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	10577	445	regional reliability	Rebuild 5.4 mile Big Sandy - Perdue 69 kV line from 477 ACSR to 1272 ACSR.	$5,400,000	AEP	06/01/14	06/01/15			Big Sandy 69 kV	Perdue 69 kV	1
	11153	873	regional reliability	Upgrade 600 A breaker and two switches at Texarkana Plant.	$250,000	AEP		06/01/14			SE Texarkana 69 kV	Texarkana 69 kV	1
	11169	880	regional reliability	Upgrade 2 sets of switches at Rock Hill and 1 set of switches at Beckville bus.	$200,000	AEP		06/01/14			Beckville 69 kV	Rock Hill 69 kV	1
	10849	648	zonal - sponsored	Covert from 59 kV to 138 kV	$8,837,000	DETEC	06/01/14				Martinsville 138 kV	Shady Grove 138 kV	1
	10850	648	zonal - sponsored	Covert from 59 kV to 138 kV		DETEC	06/01/14				Shady Grove 138 kV	Central Hieghts 138 kV	1
	10851	648	zonal - sponsored	Covert from 59 kV to 138 kV		DETEC	06/01/14				Central Hieghts 138 kV	Fitze 138 kV	1
	10852	648	zonal - sponsored	Covert from 59 kV to 138 kV		DETEC	06/01/14				Fitze 138 kV	Tempson 138 kV	1
	11074	812	regional reliability	Replace jumpers.	$100,000	EDE		06/01/14			SUB 403 - Jasper West Tap 69 kV	SUB 249 - Boston East 69 kV	1
	11073	811	regional reliability	Raise structures on Diamond Jct. - Sarcoxie Southwest 69 kV line to achieve a new rating B of 44 MVA.	$50,000	EDE		06/01/14			SUB 131 - Diamond Junction 69 kV	SUB 362 - Sarcoxie Southwest 69 kV	1
	10567	437	regional reliability	Replace switch on transfer bus at Sub# 167 for Rate B = 91 MVA.	$75,000	EDE	06/01/14	06/01/15			Sub 167 - Riverton 69 kV	SUB 278 - Galena Northeast 69 kV	1
20036	10258	202	regional reliability	Reconductor 1.0 Mile of 4/0 ACSR with 336 ACSR for 65 MVA Rate B	$400,000	EDE		06/01/14		01/27/09	SUB 436 - Webb City Cardinal 69 kV	SUB 110 - Oronogo Junction 69 kV	1
	50260	30247	regional reliability	Install 7.2 Mvar capacitor bank at Wagner 69 kV.	$291,600	GRDA		06/01/14			Wagoner 69 kV		
	10633	489	regional reliability	Rebuild 26.55 mile Huntsville - St. John 115 kV line and replace CT, wavetrap, breakers, and relays.	$5,250,000	MIDW		06/01/14			Huntsville 115 kV	St. John 115 kV	1
	50249	30237	regional reliability	Install 18 Mvar capacitor bank at Holdrege 115 kV.	$1,000,000	NPPD	06/01/14	06/01/14			Holdrege 115 kV		
	11078	816	regional reliability	Uprate line and substation equipment to effect 100 Deg C Rating by 2014. 137 MVA Normal Continuous Rating. 137 MVA 4-Hour Emergency Rating.	$1,000,000	NPPD	06/01/14	06/01/14			Albion 115 kV	Genoa 115 kV	1
	11143	889	regional reliability	Increase line clearances to allow the use of a higher conductor rating. Change CT tap settings.	$251,000	OPPD		06/01/14			Sub 921 69 kV	Sub 942 69 kV	1
	11137	860	regional reliability	increase line clearances to allow the use of a higher conductor rating.	$105,000	OPPD		06/01/14			SUB 901 69 kV	Junction 205 69 kV	1
	11138	861	regional reliability	increase line clearances to allow the use of a higher conductor rating.	$251,000	OPPD		06/01/14			SUB 910 69 kV	Junction 205 69 kV	1
	11142	865	regional reliability	Increase line clearances to allow the use of a higher conductor rating.	$253,000	OPPD		06/01/14			Sub 917 69 kV	Sub 918 69 kV	1
	11191	897	zonal - sponsored	New Distribution Sub - W R Airport		OGE	06/01/14	M			36 & Meridian 138 kV	W R Airport 138 kV	1
	11192	897	zonal - sponsored	New Distribution Sub - W R Airport		OGE	06/01/14	M			W R Airport 138 kV	Pennsylvania 138 kV	1
20041	10932	701	Balanced Portfolio	Build new 345 kV line from Woodward EHV to Border	$105,000,000	OGE	05/19/14	M		06/19/09	Stateline 345 kV	Woodward EHV 345kv	1
20041	10933	701	Balanced Portfolio	Install 2nd 345/138 kV transformer at Woodward EHV	$15,000,000	OGE	05/19/14	M		06/19/09	Woodward EHV 138 kV	Woodward EHV 345 kV	2
	50275	30262	regional reliability	Install 7.2 Mvar at Canadian Sub	$291,600	SPS		06/01/14			Canadian 115 kV		
	11055	796	regional reliability	Add second 230/115 kV transformer at Grassland Interchange.	$11,250,000	SPS		06/01/14			Grassland Interchange 115 kV	Grassland Interchange 230 kV	2
20043	10936	704	Balanced Portfolio	Build new 345 kV line from Tuco to Border	$122,597,500	SPS	05/19/14	M		06/19/09	Tuco Interchange 345 kV	Stateline 345 kV	1
20043	10937	704	Balanced Portfolio	Build Border at interception point of Woodward to Tuco line.	$14,880,000	SPS	05/19/14	M		06/19/09	Stateline 345 kV		
	11007	764	regional reliability	Upgrade both Happy County 115/69 kV transformers to 84 MVA.	$1,890,000	SPS	06/01/14	06/01/14			Happy Interchange 115 kV	Happy Interchange 69 kV	1
	11009	764	regional reliability	Upgrade both Happy County 115/69 kV transformers to 84 MVA.	$1,890,000	SPS	06/01/14	06/01/14			Happy Interchange 115 kV	Happy Interchange 69 kV	2
	11093	826	regional reliability	Replace existing 149/171 MVA Chaves 230/115 kV transformer with 225 MVA transformer.	$11,250,000	SPS	06/01/14	06/01/14			Chaves 115 kV	Chaves 230 kV	2
	11104	836	regional reliability	Move load from Muleshoe 69 kV to Muleshoe 115 kV.	$3,318,750	SPS	06/01/14	06/01/14			Muleshoe 69 kV	Muleshoe E 115 kV	1
	11107	839	regional reliability	Build new 22.2 mile Kress Interchange - Plainview County 115 kV.	$14,737,500	SPS	06/01/14	06/01/14	NTC		Kress Int 115 kV	Plainview CTY 115 kV	1
	11108	839	regional reliability	Add new Plainview County 115/69 kV transformer with 44/50.6 MVA ratings.	$990,000	SPS	06/01/14	06/01/14	NTC		Planiview Co 69 kV	Plainview CTY 115 kV	1
	11109	840	regional reliability	Build new 9.8 mile Cox - Plainview 115 kV line unit.	$7,762,500	SPS	06/01/15	06/01/14	NTC		Cox 115 kV	Plainview CTY 115 kV	1
	11122	852	regional reliability	Replace wave trap with 1200 A minimum.	$225,000	SPS	06/01/14	06/01/14			Jones 230 kV	Grassland 230 kV	1
	11172	883	regional reliability	Build new second Jones - Grassland 230 kV line.	$30,395,000	SPS	05/16/14	06/01/11	NTC		Jones 230 kV	Grassland 230 kV	2
	11197	900	regional reliability	Reconductor FRIO-DRAW 0.56 miles 115 kV to 795 ACSR line	$315,000	SPS		06/01/14			Frio Draw 115 kV	Farmers Electric REC-Clovis 115 kV	1
	50119	30113	regional reliability - non OATT	Install 30 Mvar capacitor at Glencoe 161 kV substation.	$1,215,000	SWPA	06/01/14	06/01/14			Glencoe 161 kV		
	10819	631	regional reliability - non OATT	Reconductor line to 335/335 MVA.	$10,095,750	SWPA		06/01/14			Asherville 161 kV	Idalia 161 kV	1
	10856	651	regional reliability - non OATT	Replace both Carthage auto transformers with larger units.	$5,625,000	SWPA		06/01/14			Carthage 161 kV	Carthage 69 kV	1 & 2
20003	50045	30039	regional reliability	Install 6 Mvar capacitor at Esquandale 69 kV.	$243,000	WFEC	06/01/14	M		01/27/09	Esquandale 69 kV		
	10669	524	regional reliability	Reconductor 3 mile Gypsum - Russell 69 kV line from 1/0 to 336.4 ACSR.	$900,000	WFEC		06/01/14			Gypsum 69 kV	Russell 69 kV	1
20059	50230	30226	transmission service	Add 6 Mvar Cap bank at Altoona East	$607,500	WR	06/01/14			09/18/09	Altoona East 69 kV		
20063	10713	563	regional reliability	Replace 69 kV disconnect switches at Aquarius with a minimum 600 amp emergency rating	$75,000	WR	06/01/13	M		11/02/09	Litchfield 69 kV	Aquarius 69 kV	1
20033	10679	534	regional reliability	Replace Halstead 138/69/13.2 kV transformer with 100/110 MVA unit.	$1,400,000	WR	06/01/14	06/01/11	NTC-Modify Timing	01/27/09	Halstead South 138 kV	Halstead 69 kV	1
	10605	469	zonal - sponsored	Reset CTs on Moundridge - Newton 69 kV line (multiple rating changes).	$20,000	WR		M			Gatz 69 kV	Newton 69 kV	1
	10997	755	regional reliability	Tear down and rebuild 6.6 mile County Line - Goodyear Junction 115 kV line.	$3,712,500	WR		06/01/14			County Line 115 kV	Goodyear Junction 115 kV	1
20059	50236	30224	transmission service	Rebuild approximately 9 miles of line with 954 kcmil ACSR to achieve a minimum 1200 amp emergency rating.	$4,249,000	WR	04/01/14			09/18/09	Green 69 kV	Coffye County No. 3 Westphalia 69 kV	1
						Year 2015							
	11156	876	regional reliability	Rebuild 0.9 mile Weatherford - Thomas Tap 69 kV line from 4/0 ACSR with 795 ACSR. Replace Weatherford wavetrap.	$1,000,000	AEP		06/01/15			Weatherford 69 kV	Thomas Tap 69 kV	1
20036	10685	537	regional reliability	Build new 9.2 mile Substation 383 - Monett 5 161 kV line.	$7,369,319	EDE	06/01/15	06/01/19	NTC-Modify Timing	01/27/09	SUB 383 - Monett 161kV	South Monett 161 kV	1
20036	10686	537	regional reliability	Install 3-winding transformer connecting new 161 kV bus to Monett City South 69 kV.	$8,000,000	EDE	06/01/15	06/01/19	NTC-Modify Timing	01/27/09	South Monett 161 kV	SUB 376 - Monett City South 69 kV	1
	10681	536	regional reliability	Reconductor 1.2 mi with 336 ACSR.	$275,000	EDE	06/01/15	06/01/18			Monett City South Jct. 69 kV	Monett City East 69 kV	1
20042	10935	703	Balanced Portfolio	Tap Nashua 345kV bus in Hawthorn - St. Joseph 345 kV line. Build new 345 kV line from Iatan to Nashua.	$54,444,000	KCPL	06/01/15	M		06/19/09	Iatan 345 kV	Nashua 345 kV	1
20042	10945	703	Balanced Portfolio	Install new 345/161 kV transformer at Nashua	$4,620,000	KCPL	06/01/15	M		06/19/09	Nashua 345 kV	Nashua 161 kV	1
	50198	30191	regional reliability	Install 3 additional Mvar cap at Kinsley 115 kV for a total 8 Mvar	$180,000	MIDW		06/01/15			Kinsley 115 kV		
	50199	30192	regional reliability	Install 3 additional Mvar cap at Pawnee 115 kV for a total 8 Mvar	$180,000	MIDW		06/01/15			Pawnee 115 kV		
	11000	757	regional reliability	Reconductor 12.08 mile FPL Switch to Woodward District line to 1590 AS52.	$4,200,000	OGE		06/01/15			Windfarm 138 kV	Woodward District 138 kV	1
	10876	670	regional reliability	Install third Arcadia 345/138 kV autotransformer.	$12,000,000	OGE		06/01/15			Arcadia 345 kV	Arcadia 138 kV	3
	11129	858	regional reliability	Convert 14 mile Mehan - Cushing 69 kV line to 138 kV.		OGE		06/01/15			Mehan 138 kV	Cushing 138 kV	1
	11130	858	regional reliability	Convert 6 mile Stillwater - Spring Valley 69 kV line to 138 kV.		OGE		06/01/15			Stillwater 138 kV	Spring Valley 138 kV	1
	11131	858	regional reliability	Convert 3 mile Spring Valley - Mehan 69 kV line to 138 kV.		OGE		06/01/15			Spring Valley 138 kV	Mehan 138 kV	1
	11132	858	regional reliability	Convert 8.7 mile Spring Valley - Knipe 69 kV line to 138 kV.	$16,000,000	OGE		06/01/15			Spring Valley 138 kV	Knipe 138 kV	1
	11133	858	regional reliability	Tap existing Cushing - Bristow 138 kV line into new Greenwood Sub 138 kV transformer bus and add new Greenwood 138/69/13.8 transformer.		OGE		06/01/15			Cushing 138 kV	Bristow 138 kV	1
	11134	858	regional reliability	Tap existing Oak Grove - Hwy 99 Tap 69 kV circuit into new Greenwood Sub 69 kV transformer bus.		OGE		06/01/15			OakGrove 69 kV	Hwy 99 Tap 69 kV	1
	11195	899	regional reliability	Rebuild 11.1 miles with 954 ACSR Cardinal	$4,000,000	SEPC		06/01/15			Holcomb 115 kV	Fletcher 115 kV	1
	50215	766	regional reliability	Add 28.8 Mvar capacitor at Kress 115 kV bus.	$1,166,400	SPS		06/01/15			Kress 115 kV		
	50216	766	regional reliability	Add 28.8 Mvar capacitor at Swisher 115 kV bus.	$1,166,400	SPS		06/01/15			Swisher 115 kV		
	50300	30263	regional reliability	Install 2 Blocks of 7.2 Mvar	$583,200	SPS		06/01/15			JAL 138 kV		
	50301	30264	regional reliability	Install 2 Blocks of 14.4 Mvar	$1,166,400	SPS		06/01/15			Lea Road 138 kV		
	11010	766	regional reliability	Add second Newhart 230/115 kV transformer.	$3,892,500	SPS		06/01/15			Newhart 3 115 kV	Newhart 6 230 kV	2
	11057	798	regional reliability	Reconductor Amarillo - Farmers 115 kV Circuit 2.35 miles with 795 kcmil conductor	$992,000	SPS	06/01/15	06/01/15			Amarillo South Interchange 115 kV	Farmers Sub 115 kV	1
	11060	801	regional reliability	Build new 8.5 mile Lea County Ancell - Gaines 69kV line.	$3,825,000	SPS		06/01/15			Lea County REC-Ancell 69 kV	Lea County REC-Gaines 69 kV	1
	11061	801	regional reliability	Build new 9 mile Lea County TP-91 - Darby 69kV line.	$4,050,000	SPS		06/01/15			Lea County REC-TP91 69 kV	Lea County REC-Darby 69 kV	1
	11062	801	regional reliability	Build new ERF3 substation with new 44MVA 115/69kV transformer.	$11,250,000	SPS		06/01/15			New ERF3 115 kV	Lea County ERF 69 kV	1
	11175	886	regional reliability	Add second Swisher 230/115 kV transformer.	$6,350,000	SPS	06/01/15	6/1/2015			Swisher 230 kV	Swisher 115 kV	2
20004	10186	146	regional reliability	Add 230 kV line from Hobbs to Seminole - 541 MVA.	$8,920,699	SPS	06/01/15	M		02/13/08	Hobbs 230 kV	Seminole 230 kV	1
	10836	694	regional reliability - non OATT	Replace disconnect switches, replace some structures and resag line.	$167,500	SWPA		06/01/15			Asherville 161 kV	Poplar Bluff 161 kV	1
	10576	444	regional reliability - non OATT	Reconductor the 2.2 mi line with 795 ACSR.	$660,000	SWPA		06/01/15			Nixa 69 kV	Nixa DT 69 kV	1
	50285	30272	regional reliability	Install 6 Mvar capacitor at Cole 69 kV bus.	$300,000	WFEC		06/01/15			Cole 69 kV		
	50189	30180	regional reliability	Install 6 Mvar capacitor at Altus Air Force Base 69 kV bus.	$243,000	WFEC	06/01/15	06/01/13			Altus Air Force Base 69 kV		
	50195	30188	regional reliability	Install 18 Mvar capacitor at Erick 138 kV bus.	$729,000	WFEC		06/01/15			Erick 138kV		
	10635	490	regional reliability	Rebuild 5.2 miles of the Bismark to Midland 115 kV line.	$1,950,000	WR	06/01/15	06/01/16			Bismark 115 kV	Midland 115 kV	1
20033	10857	652	regional reliability	Rebuild the Westar portion of the 28.8 mile HEC - Huntsville 115 kV line and reset CTs at HEC.	$12,487,500	WR	06/01/15	06/01/13	NTC-Modify Timing	01/27/09	Hutchinson Energy Center 115 KV	Huntsville 115 kV	1
	10637	492	regional reliability	Tear down / Rebuild 3.55-mile Gill Energy Center - Gill junction portion of the Gill - Oatville 69 kV line. Replace 477 kcmil ACSR conductor with 954 kcmil ACSR and replace terminal equipment. The new rating is the CT limit.	$920,000	WR		M			Gill Energy Center 69 kV	Oatville 69 kV	1
						Year 2016							

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	11171	882	regional reliability	Rebuild/reconductor 11.4 miles of 336 ACSR with 1272 ACSR on the Rock Hill - Carthage 69 kV line. Upgrade Carthage breaker & relay settings & Rock Hill jumpers. Upgrade switches, CT ratios, and relay settings at Rock Hill and Carthage. Remove switches in middle of line.	$11,400,000	AEP		06/01/16			Rock Hill 69 kV	Carthage 69 kV	1
20000	10656	511	regional reliability	Install new 345/161 kV transformer at Osage Creek	$11,000,000	AEP	06/01/16	M		02/13/08	Osage 345 kV	Osage 161 kV	1
20000	10659	511	regional reliability	Install 9 miles of 345 kV line from Shipe Road to East Rogers	$24,500,000	AEP	06/01/16	M		02/13/08	Shipe Road 345 kV	E Rogers 345 kV	1
20000	10660	511	regional reliability	Install 32 miles of 345 kV line from East Rogers to Osage Creek	$65,500,000	AEP	06/01/16	M		02/13/08	E Rogers 345 kV	Osage 345 kV	1
	10898	681	regional reliability	Rebuild 2 miles of 266 ACSR with 795 ACSR and replace Fern Street Switches	$2,000,000	AEP		06/01/16			Broadmoor 69 kV	Fern Street 69 kV	1
	10848	647	zonal - sponsored	Convert 27 mi of 34.5 kV to 69 kV in the Baxter Springs area	$12,375,000	EDE	06/01/16						
	10953	716	regional reliability	Replace Wavetrap	$150,000	GMO		06/01/16			Blue Spring South 161 kV	Prairie Lee kV	1
	10698	549	regional reliability	Reconductor 69 kV Line to 1272 ACSR and replace 600A switch with 1200A switch.	$370,530	GRDA		06/01/16			Maid 69 kV	Pryor Foundry South 69 kV	1
	10699	550	regional reliability	Reconductor 69 kV Line to 1272 ACSR and replace 600A switch with 1200A switch.	$370,530	GRDA		06/01/16			Maid 69 kV	Redden 69 kV	1
	50250	30238	regional reliability	Add one 36 Mvar cap at Riverdale	$1,000,000	NPPD	06/01/16	06/01/16			Riverdale 115 kV		
	50251	30239	zonal - sponsored	Add one 9 Mvar cap at Battle Creek	$500,000	NPPD	06/01/16	06/01/16			Battle Creek 69 kV		
20002	10663	518	regional reliability	Increase rating of HSL East kV to HSL West 69 kV line to 143 MVA. Planned by OGE in 2008.	$250,000	OGE	06/01/16			02/13/08	HSLEast 69 kV	HSLWest 69 kV	1
	10899	682	regional reliability	Rebuild 10.67 miles of line to 477AS33	$5,300,000	OGE		06/01/16			Little River 69 kV	Maud 69 kV	1
	50302	30265	regional reliability - non OATT	Install min. 2 blocks 7.2 Mvar	$583,200	SPS		06/01/16			LE_ERF sub 69 kV		
	11111	842	regional reliability	add new 69 kV Ckt Georgia-Lawrence pk pipe type cable CKT 2	$5,166,960	SPS	06/01/16	06/01/11			Lawrence pk 69 kV	Georgia S 69 kV	2
	11112	843	regional reliability	add new 69 kV Ckt SONCY-Lawrence pk 2 pipe type cable CKT 2	$6,571,440	SPS	06/01/16	06/01/16			Lawrence Pk 2 69 kV	Soncy 69 kV	2
	11113	844	regional reliability	Upgrade 9.9 miles of 69 kV between Mustang to Sunshine Canyon from 4/0 to 795; new rating 91/114	$3,341,000	WFEC		06/01/16			Mustang 69kV	Sunshine Canyon 69kV	1
	11117	847	regional reliability	Upgrade Wakita to Nash, 1/0 to 336.4 ACSR	$6,705,000	WFEC		06/01/16			Nash 69 kV	Wakita 69 kV	1
	10865	659	regional reliability	Convert 11 mile Reeding - Cashion 69 kV line to 138 kV.	$3,712,500	WFEC	06/01/16	06/01/14			Reeding 138 kV	Cashion 138 kV	1
	10869	663	regional reliability	Tear down and rebuild TEC - Hook Jct. - County Line 115 kV.	$641,250	WR		06/01/16			Tecumseh Energy Center 115 kV	Hook Jct 115 kV	1
						Year 2017							
	50256	30243	regional reliability	Install 12 Mvar cap bank at Bloomburg 69 kV.	$500,000	AEP		06/01/17			Bloomburg 69 kV		
	11157	877	regional reliability	Rebuild 13.9 miles of 4/0 ACSR with 795 ACSR and reset Clinton City relay.	$13,900,000	AEP		06/01/17			Clinton City 69 kV	Thomas Tap 69 kV	1
	11158	878	regional reliability	Reconductor 2.68 miles of 477 ACSR 69 kV line with 1272 ACSR and raise CT ratio and relay settings.	$2,700,000	AEP		06/01/17			North Mineola 69 kV	Mineola 69 kV	1
	10649	504	regional reliability	Rebuild 4.7 mile Brown Lee- North Market 69 kV line of 2-203 ACSR & 666 ACSR with 1272 ACSR & raise CT ratio & relay settings..	$4,700,000	AEP		06/01/17			Brown Lee 69 kV	North Market 69 kV	1
	10647	502	regional reliability	Reconductor 3.25 miles Northwest Henderson-Poynter 69 kV line with 1272 ACSR.	$3,220,000	AEP		06/01/17			Northwest Henderson 69 kV	Poynter 69 kV	1
20036	10571	440	regional reliability	Reconductor 7.55 mile Diamond Jct. - Sarcoxie Southwest 69 kV line from 1/0 Cu to 336 ACSR.	$2,274,000	EDE		06/01/17	NTC-Modify Timing	01/27/09	SUB 131 - Diamond Junction 69 kV	SUB 362 - Sarcoxie Southwest 69 kV	1
	10891	677	regional reliability	Tear down the Riverton to Joplin 59 69 kV line, rebuilding the line to 161 kV from Stateline to outside Joplin 59 sub. Tear down and rebuild Joplin 59 to Gateway to Pillsbury to Reinmiller, converting those 69 kV lines to 161 kV. Tap the 161 kV line between Joplin 59 and Gateway at Joplin 422.	$25,000,000	EDE	06/01/17	06/01/18			SUB 439 - Stateline 161 kV	Joplin 59 161 kV	1
	10892	677	regional reliability			EDE	06/01/17	06/01/18			Joplin 59 161 kV	Gateway 161 kV	1
	10893	677	regional reliability			EDE	06/01/17	06/01/18			Gateway 161 kV	Pillsbury 161 kV	1
	10894	677	regional reliability			EDE	06/01/17	06/01/18			Pillsbury 161 kV	Reinmiller 161 kV	1
20036	10259	203	regional reliability	Reconductor 3.5 mile Atlas Jct. - Carthage Northwest 69 kV line from 4/0 ACSR to 336 ACSR for 65 MVA Rate B.	$1,277,935	EDE		06/01/17	NTC-Modify Timing	01/27/09	SUB 109 - Atlas Junction 69 kV	SUB 108 - Carthage Northwest 69 kV	1
	10716	565	regional reliability	Reconductor with 795ACSR.	$450,000	GMO	06/01/17	06/01/19			Clinton 69 kV	Clinton Plant 69 kV	1
	10904	687	regional reliability	Replace wavetraps at Longview and Western Electric	$50,000	GMO		06/01/17			Longview 161 kV	Western Electric 161 kV	1
	50214	30207	regional reliability	18 Mvar 115 KV CAP BANK AT COZAD	$1,000,000	NPPD	06/01/17	06/01/17			Cozad 115 kV		
20017	50168	30160	transmission service	Convert Ft. Smith 161 kV to 1-1/2 breaker design and install 3rd 500-161 kV transformer bank.	$11,000,000	OGE	06/01/17	M		01/16/09	Fort Smith 500 kV	Fort Smith 161 kV	5
20017	50172	30164	transmission service	Upgrade CT	$100,000	OGE	06/01/17	M		01/16/09	VBI 161 kV	VBI North 161 kV	1
	11071	810	regional reliability	Build new 100 mile 345 kV line from OGE Anadarko to Oklahoma/Texas border towards SPS's Reactor station on Woodward-Tuco 345 kV line.	$120,000,000	OGE		06/01/17			Stateline 345 kV	Anadarko (Gracemont) 345 kV	1
	11140	863	regional reliability	Increase line clearances to allow the use of a higher conductor rating.	$146,000	OPPD		06/01/17			SUB 907 69 kV	SUB 911 69 kV	1
	50220	30216	regional reliability	Install 50 Mvar capacitor bank at Wheeler min. 2 Blocks 25Mvar	$4,050,000	SPS		06/01/17			Wheeler 230 kV		
	50303	30266	regional reliability	Install additional BLOCK 14.4 Mvar	$583,200	SPS		06/01/17			Bailey Co 69 kV		
	11004	761	regional reliability	Reconductor 7.78 miles with 795 kcmil conductor.	$3,375,000	SPS	06/01/17	06/01/17			Chaves County Interchange 115 kV	Samson Sub 115 kV	1
	11005	762	regional reliability	Reconductor 3.70 miles with 795 kcmil conductor.	$3,375,000	SPS	06/01/17	06/01/17			Chaves County Interchange 115 kV	Urton Sub 115 kV	1
	11069	807	regional reliability	Build new 10 mile 345 kV line from SPS's Reactor station on Woodward-Tuco 345 kV line to Oklahoma/Texas border towards OGE Anadarko.	$16,425,000	SPS	06/01/17	06/01/17			Stateline 345 kV	Anadarko (Gracemont) 345 kV	1
	11070	808	regional reliability	Build new 115 mile 345 kV line from Potter to Stateline.	$134,325,000	SPS	06/01/17	06/01/17			Potter County Interchange 345 kV	Stateline 345 kV	1
	11006	763	regional reliability	Add second 115/69 kV transformer at Gray County substation.	$1,890,000	SPS	06/01/17	06/01/17			Gray County Interchange 115 kV	Gray County Interchange 69 kV	2
	11127	856	regional reliability	Convert 69 kava load to 115 kV and build 5 mile line	2812500	SPS		06/01/17			NE Hereford 115 kV	Centre 115 Kv	1
	11100	833	regional reliability	Add 2nd transformer 115/69 kV 84/96 MVA CKT 2	$1,890,000	SPS	06/01/17	06/01/17			NE Hereford 115 kV	NE Hereford 69 kV	2
	50146	30140	regional reliability - non OATT	Install 3.6 Mvar capacitor at China.	$145,800	SWPA		06/01/17			China 69 kV		
	11205	909	regional reliability	Reconductor 4.0 miles with 556 kcmil conductor.	$2,250,000	WFEC		06/01/17			Oklahoma University SW 69 kV	Cole 69 kV	1
	10867	661	regional reliability	Tear down and rebuild 2.52-mile County Line-Hook Jct 115 kV line, 1192 ACSR.	$1,063,125	WR		06/01/17			Hook JCT 115 KV	County Line 3 115 kV	1
	10998	756	regional reliability	Tap Lawrence Hill-Swissvale 230 kV line near Baldwin Creek substation and install Baldwin Creek 230/115 kV transformer	$6,930,000	WR		06/01/17			Baldwin Creek 230 kV	Baldwin Creek 115 kV	1
						Year 2018							
	50193	30184	regional reliability	Install 6 Mvar capacitor for a total of 12 Mvar at South Nashville.	$600,000	AEP		06/01/18			South Nashville 138 kV		
	10616	479	regional reliability	Rebuild 12.63 mi of the Georgia Pacific-Keatchie 138 kV 795 ACSR line with 1272 ACSR.	$12,630,000	AEP		06/01/18			Georgia-Pacific 138 kV	Keatchie REC 138 kV	1
	10615	478	regional reliability	Rebuild 0.27 miles Forbing Road to South Shreveport 69 kV to 1272 ACSR (next limit is 500 Cu bus & jumpers).	$350,000	AEP		06/01/18			Forbing Tap 69 kV	South Shreveport 69 kV	1
	10654	509	regional reliability	Convert the 506952 Centerton 69-12.5 kV station to 161-12.5 kV. Disconnect Centerton station from the 69 kV line and connect to the 506929 East Centerton to 506960 Bentonville Hwy 279 161 kV line 2.0 miles west of 506929 East Centerton station.	$2,904,000	AEP		06/01/18			Centerton 161 kV		1
	50136	30130	regional reliability	Install 30 MVAR capacitor at Twin Oaks Substation	$750,000	CUS	06/01/18	06/01/18			Twin Oaks 69 kV		
	11076	814	zonal - sponsored	Rebuild James River to South Highway 69 kV	$1,282,500	CUS	06/01/18	M			James River 69 kV	South Highway 65 69 kV	1
	11077	815	zonal - sponsored	Rebuild South Highway to Sunset 69 kV	$641,250	CUS	06/01/18	M			Sunset 69 kV	South Highway 65 69 kV	1
	10905	688	regional reliability	Replace Odessa 161/69kV transformer with new 100/110MVA	$2,000,000	GMO		06/01/18			Odessa 161kV	Odessa 69kV	1
	10873	667	regional reliability	Replace 600A switch with 1200A switch	$112,500	GRDA		06/01/18			Pryor Foundry South 69 kV	CPP Transformer #2 69 kV	1
	11120	850	regional reliability	Upgrade the 800 amp CT in Penn Sub to 1200 amp	$25,000	OGE		06/01/18			Kentucky Tap 69 kV	Pennsylvania 69 kV	1
	11066	804	regional reliability	Add 3rd transformer at TUCO 230/115 250 MVA CKT 3	$13,500,000	SPS		06/01/18			Tuco Interchange 230 kV	Tuco Interchange 115 kV	3
	11067	805	regional reliability	Add 2nd transformer at Bowers 115/69 kV CKT 2	$1,890,000	SPS		06/01/18			Bowers Interchange 115 kV	Bowers Interchange 69 kV	2
	11124	854	regional reliability	Add new 345 kV line Tuco - Jones Ckt 1 29.66 miles	$33,367,500	SPS	06/01/18	06/01/18			Tuco 345 kV	Jones 345 kV	1
	11125	854	regional reliability	Add new 345-230 kV 559 MVA CKT 1	$22,150,000	SPS		06/01/18			Jones 345 kV	Jones 230 kV	1
	11105	837	regional reliability	Add new 115 kV Ckt Lamb Co to Lea County Littlefield	$2,925,000	SPS		06/01/18			Lamb Co 115 kV	LC-Little 115 kV	1
	11173	884	regional reliability	Add 2nd transformer Eddy Co 230-115 kV CKT 2	$8,352,500	SPS	06/01/18	6/1/2018			Eddy 230 kV	Eddy 115 KV	2
	11174	885	regional reliability	Add 2nd transformer Carlise 230-115 kV CKT 2	$8,352,500	SPS	06/01/18	6/1/2018			Carlise 230 kV	Carlise 115 kV	2
	10896	679	regional reliability - non OATT	Replace Poplar Bluff 2nd transformer with larger transformer, 70/70 MVA unit.	$2,250,000	SWPA		06/01/18			Poplar Bluff 69 kV	Poplar Bluff 161 kV	2
	50304	30267	zonal - sponsored	add one stage of 10 Mvar to existing 10 Mvar	$432,000	WR	06/01/18	M			Allen 69 kV		
	50305	30268	zonal - sponsored	add one stage of 10 Mvar to existing 10 Mvar	$432,000	WR	06/01/18	M			Athens 69 kV		
	10563	433	regional reliability	Reset ct's. New Rate A:108 B:108	$150,000	WR		M			Yost 69 kV	Moundridge 69 kV	1
	11083	820	regional reliability	Tear down and rebuild 17th & Fairlawn - Indian Hills 115kV Ckt 1	$1,687,500	WR		06/01/18			17th & Fairlawn 115 kV	Indian Hills 115 kV	1
						Year 2019							
	10619	481	regional reliability	Rebuild and reconductor 4.0 miles of 4/0 ACSR 69 kV to 1590 ACSR 161 kV from converting North Huntington to Midland REC to 161 kV. Add 161 kV terminal at North Huntington.	$6,000,000	AEP		06/01/19			North Huntington 161 kV	Midland REC 161 kV	1
	10620	481	regional reliability	Rebuild and reconductor Midland REC-Midland from 69 kV 4/0 ACSR to 161 kV 1590 ACSR.	$1,500,000	AEP		06/01/19			Midland REC 161 kV	Midland 161 kV	1
	10621	481	regional reliability	Add 161/69 kV autotransformer at Midland.	$2,500,000	AEP		06/01/19			Midland 161 kV	Midland 69 kV	1
	10624	481	regional reliability	Build Bonanza-Midland 1590 ACSR 161 kV line. Old Midland-Excelsior section to be converted from 69 kV to 161 kV. Add 4-161 kV breakers at Bonanza.	$17,000,000	AEP		06/01/19			Bonanza Tap 161 kV	Midland 161 kV	1
	11158	879	regional reliability	Rebuild 9.0 mile Prattville-Bluebell 138 kV line from 795 ACSR to 1590 ACSR. New summer ratings 287/287 limited by breaker, switches, CTs, wave trap.	$9,000,000	AEP		06/01/19			Bluebell 138 kV	Prattville 138 kV	1
	10646	501	regional reliability	Replace 600 A breaker with 1200A at Evenside 69 kV.	$200,000	AEP		06/01/19			Evenside 69 kV	NW Henderson 69 kV	1
	10609	473	regional reliability	Reconductor 69kV line from 636 ACSR to 762.8 ACSS/TW	$979,000	CUS	06/01/19	06/01/19			James River 69 kV	Twin Oaks 69 kV	1

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	10877	671	regional reliability	Increase CT ratio at both Chickasaw and Ardmore. Also possibly change out relay	$450,000	OGE		06/01/19			Ardmore 69 kV	Chickasaw 69 kV	1
	10999	30212	regional reliability	Replace Jones Tap bus 1200A switch with 2000A switch.	$250,000	OGE		06/01/19			Jones Tap 138 kV	Bryant 138 kV	1
	11119	849	regional reliability	Upgrade the existing 600 amp 69 kV switches in Kentucky Sub to 1200 amp	$60,000	OGE		06/01/19			Kentucky 69 kV	Kentucky Tap 69 kV	1
	11207	910	regional reliability	Replace wavetrap	$225,000	OGE		06/01/19			Bryant 138 kV	Memorial 138 kV	1
	10906	689	regional reliability	Replace South Waverly 161/69kV transformer with larger 30/33MVA model; interim mitigation is to move 20% of load off S Waverly 161kV bus starting in 2010	$2,000,000	KCPL		06/01/19			South Waverly 161kV	South Waverly 69kV	1
	11136	859	regional reliability	Reconductor Hawthorn - Birmingham 161kV	$1,670,625	KCPL		06/01/19			Birmingham 161kV	Hawthorn 161kV	1
	10994	30211	regional reliability	Replace Medicine Lodge 138/115 kV transformer with a larger 147/170 MVA transformer	$3,825,000	MKEC		06/01/19			Medicine Lodge 138 kV	Medicine Lodge 115 kV	1
	10991	30208	regional reliability	Rebuild MKEC portion of the Clearwater-Milan tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	$3,150,000	MKEC		06/01/19			Clearwater 138 kV	Milan Tap 138 kV	1
	10993	30210	regional reliability	Replace Wave Trap at Harper Substation.	$225,000	MKEC		06/01/19			Harper 138 kV	Milan Tap 138 kV	
	10990	753	regional reliability	Reconductor and upgrade terminal equipment to effect higher rating by 2019. 240 MVA Normal Continuous Rating. 240 MVA 4-Hour Emergency Rating.	$6,000,000	NPPD	06/01/19	06/01/19			Beatrice 115 kV	Harbine 115 kV	1
	50254	30241	regional reliability	Install 21.6 Mvar capacitor bank	$2,213,000	OPPD		06/01/19			Neb City U Sub 903 69 kV		
	50306	30269	regional reliability	Install 2 Blocks of 14.4 Mvar	$1,166,400	SPS		06/01/19			Lamb Co 115 kV		
	50307	30270	regional reliability	Install min. 2 blocks 14.4 Mvar	$1,166,400	SPS		06/01/19			Deaf Smith 115 kV		
20031	10195	151	regional reliability	Add third Tuco 115/69 kV autotransformer with 84/84 MVA rating.	$1,260,000	SPS		06/01/19		01/27/09	Tuco 69 kV	Tuco 115 kV	1
20031	10197	153	regional reliability	Add third Potash Junction Interchange 115/69 kV transformer.	$600,000	SPS		06/01/19		01/27/09	Potash Junc 69 kV	Potash Junc 115 kV	1
	11092	825	regional reliability	Reconductor 0.45 miles 69 kV from 4/0 to 397.5 ACSR	$225,000	SPS		06/01/19			Artesia 69 kV	CV-Artesia 69 kV	1
	11094	827	regional reliability	Reconductor 8.34 miles 115 kV from 397.5 to 750 ACSR	$3,518,438	SPS		06/01/19			Cherry 115 kV	Northwest 115 kV	1
	11099	832	regional reliability	Add 2nd transformer 115/69 kV 84/96 MVA CKT 2	$1,890,000	SPS		06/01/19			Northwest 69 kV	Northwest 115 kV	2
	11106	838	regional reliability	Add new 115 kV Ckt Hockley Co-E Levelland Co	$3,037,500	SPS		06/01/19			Hockley Co 115 kV	E Levelland 115 Kv	1
	11126	855	regional reliability	convert 69 kV load onto 115 kV	85375	SPS		06/01/19			Stanton 69 kV	Stanton 69 kV	1
	11198	901	regional reliability	Replace NICHOLS Line Trap with 1200 Amp B unit 230 kV	$450,000	SPS		06/01/19			Nichols Station 230 kV	Amarillo South Interchange 230 kV	1
	10860	655	regional reliability - non OATT	Replace Springfield transformer #1 three winding transformer with 70 MVA auto transformer.	$825,000	SWPA		06/01/19			Springfield 161 kV	Springfield 69 kV	1
	11193	898	zonal - sponsored	convert County Line - Arnold to 115 kV. Valley Falls sub converted to 115	$8,521,875	WR	06/01/19	M			County Line 115 kV	Valley Falls 115 kV	1
	11194	898	zonal - sponsored	convert County Line - Arnold to 115 kV. Valley Falls sub converted to 115	$9,534,375	WR	06/01/19	M			Arnold 115 kV	Valley Falls 115 kV	1
	10992	30209	regional reliability	Rebuild Westar portion of the Clearwater-Milan tap 115 kV with bundled 1192.5 kcmil ACSR conductor (Bunting)	$3,431,250	WR		06/01/19			Clearwater 138 kV	Milan Tap 138 kV	1
						Withdraw							
20000	10444	347		Reconductor with 2.7 miles 477 ACSR 69 kV Woodlawn-Baldwin. Reset relays.	$2,000,000	AEP	06/01/11	D	NTC-Withdraw	02/13/08	Baldwin 69 kV	Woodlawn 69 kV	1
20027	10614	477		Reconductor 6.9 miles with 477 ACSR 69 kV from Baldwin - Karnack Tap.	$6,900,000	AEP	06/01/13	D	NTC-Withdraw	01/27/09	Baldwin 69 kV	Karnack Tap 69 kV	1
20016	10442	345		Replace 69 kV switch at Magnola tap for new emergency limit 85 MVA.	$125,000	AEP	06/01/10	D	NTC-Withdraw	01/16/09	Quitman-Magnolia 69 kV	Forest Hills REC 69 kV	1
20011	10572	441		Reconductor 69kV line from 636 ACSR to 762.8 ACSS/TW	$805,000	CUS	06/01/12	D	NTC-Withdraw	02/13/08	Kickapoo 69 kV	Sunset 69 kV	1
20034	50182	30174		Install 5 Mvar capacitor at Craig 69 kV bus.	$350,000	GMO		D	NTC-Withdraw	01/27/09	Craig 69 kV		
20034	50082	30076		Install 12 Mvar capacitor at Warsaw 69 kV bus.	$409,900	GMO		D	NTC-Withdraw	01/27/09	Warsaw 69 kV		
20028	50185	30177		Add additional 7.2 Mvar capacitor at Tahlequah West, for a 28.8 Mvar total.	$291,600	GRDA		D	NTC-Withdraw	1/27/2009	Tahlequah West 69 kV		
20009	10492	379		New Hillsdale-Cedar Niles 161 kV Line and Cedar Niles ring bus	$5,418,700	KCPL	06/01/15	D	NTC-Withdraw	02/13/08	Hillsdale 161 kV	Cedar Niles 161 kV	1
20002	10515	397		Convert 7 mile Mustang -Yukon 69 kV line to 138 kV.	$6,850,000	OGE	06/01/12	D	NTC-Withdraw	02/13/08	Mustang 138 kV	Yukon 138 kV	1
20002	10516	397		Convert 3 mile Yukon - Cimarron 69 kV line to 138 kV.	$3,500,000	OGE	06/01/12	D	NTC-Withdraw	02/13/08	Yukon 138 kV	Cimarron 138 kV	1
20003	50100	30094		Install 6 Mvar capacitor at Mustang 69 kV.	$162,000	WFEC		D	NTC-Withdraw	02/13/08	Mustang 69 kV		
20033	10811	623		Rebuild the 14.63 miles of 69 kV line from Timber Junction - Winfield.	$7,415,000	WR	12/31/10	D	NTC-Withdraw	01/27/09	Timber Junction 69 kV	City Of Winfield 69 Kv	1
20033	10812	624		Build new 8.76 mile Fort Junction - West Junction City 115 kV line that follows the path of the JEC - Summit 345 kV line. Remove old double circuit and West Junction City Junction (East) - West Junction City 115 kV line.	$4,927,500	WR	06/01/11	D	NTC-Withdraw	01/27/09	Fort Junction Switching Station 115 kV	West Junction City 115 kV	1
20006	10536	410		Rebuild Ark Valley-Tower 33 115 kV	$2,306,250	WR		D	NTC-Withdraw	02/13/08	Ark Valley 115 kV	Tower 33 115 kV	1
20033	10640	495		Rebuild the 5.49 mile Lawrence Hill to Mockingbird Hill 115 kV line.	$2,377,448	WR		D	NTC-Withdraw	01/27/09	Lawrence Hill 115kV	Mockingbird Hill 115 kV	1
20033	10218	169		Uprate CT ratio on Chapman - Clay Center 115 kV line.	$10,000	WR	06/01/17	D	NTC-Withdraw	01/27/09	Chapman 115 kV	Clay Center Junction 115 KV	1