

NTC ID	PID	UID	Facility Owner	2015 Project Type	Cost Estimate	Estimated Cost Source	Upgrade Description	TO Projected In-Service Date	SPP Determined Need Date	Upgrade Lead Time (Mo)	From Bus Number	From Bus Name	To Bus Number
	74	10092	TBD	High Priority	\$2,496,948	SPP	Upgrade 1st 115/69 kV transformer at Artesia to 84 MVA.		6/1/2018	24 months	527699		527701
	74	10093	TBD	High Priority	\$2,496,948	SPP	Upgrade 2nd 115/69 kV transformer at Artesia to 84 MVA.		6/1/2018	24 months	527700		527707
20003	136	10174	WFEC	ITP	\$6,674,000	SPP	Build new 10 mile Meeker - Hammett 138 kV and install terminal equipment.	6/1/2015	6/1/2008	10 months	520994	MEEKER	520951
20003	138	10176	WFEC	ITP	\$1,050,000	SPP	Upgrade WFEC Woodward sub to 1200 A and reconductor from 336.4 ACSR to 795 ACSR; new rating 91/110 MVA.	9/25/2015	4/1/2009	12 months	514782	WOODWARD 69	521096
20003	241	10307	WFEC	ITP	\$2,000,000	WFEC	Rebuild 2 mile Anadarko - Georgia 138 kV line from 556 to 1113 ACSR.	6/26/2015	6/1/2009	12 months	520814	ANADARKO	520923
20003	242	10308	WFEC	ITP	\$3,240,000	WFEC	Elmore - Paoli Rebuild 3/0 to 336 ACSR - 10.8 miles.	12/2/2015	6/1/2009	12 months	520898	ELMORE	521022
200291	319	10413	WR	Regional Reliability	\$4,151,903	WR	Rebuild 2.1-mile 69 kV line from Cowskin to Westlink.	12/1/2015	6/1/2014		533788	COWSKIN 69 KV	533854
200291	319	10414	WR	Regional Reliability	\$5,834,124	WR	Rebuild 2.65-mile 69 kV line from Westlink to Tyler. Install terminal equipment at Tyler.	6/1/2015	6/1/2014		533854	WESTLINK 69 KV	533847
200212	30369	10425	WR	ITP	\$19,020,066	WR	Install second 138/115 kV transformer at Moundridge.	6/1/2015	6/1/2013	24 months	533013	MOUNDRIDGE 138 KV	533429
20003	361	10471	WFEC	ITP	\$2,000,000	WFEC	Upgrade 7 miles to 795 ACSR from Fletcher SW to Marlow Junction 69 kV.	1/26/2015	6/1/2011	16 months	520911	FLETCHER	520990
20003	399	10519	WFEC	ITP	\$1,347,000	WFEC	Upgrade line from 1/0 to 336.4, 4.85 miles	6/1/2015	6/1/2012	12 months	520979	LINDSAY SW	521087
20003	402	10522	WFEC	ITP	\$1,125,000	SPP	Convert 3 miles of 69 kV to 138 kV from Indiahoma to Grandfield.	3/31/2015	6/1/2012	12 months	521106	Grandfield	520954
20003	402	10523	WFEC	ITP	\$7,306,000	WFEC	Tap Cache to Paradise 138 kV and install 13.7 miles of 138 kV from Cache to Indiahoma.	3/31/2015	6/1/2012	24 months	520954	INDIAHOMA	521105
20003	402	10524	WFEC	ITP	\$5,000,000	WFEC	Install new 138/69 kV transformer at Grandfield	3/31/2015	6/1/2012	24 months	521106	Grandfield	520926
	409	10533	TBD	High Priority	\$2,496,948	SPP	Upgrade 1st 115/69 kV transformer at Hereford to 84 MVA.		6/1/2018	24 months	524606	Hereford Interchange 115 kV	524602
	409	10534	TBD	High Priority	\$2,496,948	SPP	Upgrade 2nd 115/69 kV transformer at Hereford to 84 MVA.		6/1/2018	24 months	524606	Hereford Interchange 115 kV	524603
200212	412	10538	WR	ITP	\$4,104,097	WR	Rebuild 2.65-mile 69 kV line from Eastborough to 64th.	6/1/2015	6/1/2013	18 months	533792	EASTBOROUGH 69 KV	533842
	445	10577	TBD	High Priority	\$3,856,701	SPP	Rebuild 5.5-mile 69 kV line from Big Sandy to Perdue with 1233.6 ACSR/TW conductor to achieve a new line rating of 123/143 MVA.		6/1/2019	24 months	508335	BIG SANDY	508350
200216	451	10583	AEP	ITP	\$12,705,537	AEP	Rebuild and reconductor 11.1-mile 161 kV line from Chamber Springs to Farmington REC with 2-959.6 ACSR/TW. Upgrade wavetraps, CT ratios, and relay settings at Chamber Springs.	6/1/2016	6/1/2013	36 months	506944	CHAMBER SPRINGS 161KV	504020
200166	461	10597	SPS	ITP	\$36,112,744	SPS	Build 40 miles of 115 kV transmission line between Bailey County and Curry County.	9/30/2016	6/1/2012	30 months	524822	Curry County Interchange 115 kV	525028
200296	30390	10600	WR	ITP	\$58,317,000	WR	Rebuild 27-mile 230 kV line from East Manhattan to Jeffrey Energy Center to 345 kV standards but operate as 230 kV using bundled 1590 ACSR conductor. Upgrade terminal equipment at East Manhattan and Jeffrey Energy Center to a minimum emergency rating of 2000 Amps.	6/1/2017	6/1/2017		532861	EAST MANHATTAN 230 KV	532852

200216	478	10615	AEP	ITP	\$1,221,505	AEP	Rebuild 2.3-mile 69 kV line from Forbing to South Shreveport with 1233.6 ACSR/TW.	6/1/2015	6/1/2013	18 months	507728	FORBING TAP	507754
20122	479	10616	AEP	ITP	\$14,500,000	AEP	Rebuild 12.63 miles of the Georgia Pacific - Keatchie 138 kV line from 795 ACSR to 1272 ACSR	6/1/2016	6/1/2016	24 months	509064	GEORGIA-PACIFIC	509050
200214	486	10629	SPS	ITP	\$2,917,118	SPS	Upgrade Chaves 230/115 kV transformer Ckt 2 to 250 MVA.	2/27/2015	6/1/2013	24 months	527483	Chaves County Interchange 230 kV	527482
200216	501	10646	AEP	ITP	\$11,980,465	AEP	Rebuild 6.4-mile 69 kV line from Evenside to Northwest Henderson with 1233.6 ACSR/TW. Replace breaker at Evenside.	6/1/2018	6/1/2018	24 months	509061	EVENSIDE	509075
200216	504	10649	AEP	ITP	\$12,424,849	AEP	Rebuild 4.7-mile 69 kV line from Brownlee to North Market with 1233.6 ACSR/TW.	6/1/2015	6/1/2013	24 months	507718	BROWNLEE	507745
20000	511	10656	AEP	ITP	\$11,000,000	AEP	Install new 345/161 kV transformer at Kings River (Previous name Osage Creek)		6/1/2016	60 months	506987	Kings River 161 kV	506988
200246	512	10657	AEP	ITP	\$8,174,689	AEP	Rebuild 2.0-mile 69 kV line from Ellerbe Road to Forbing T with 1233.6 ACSR/TW conductor.	6/1/2018	6/1/2014	24 months	507723	ELLERBE ROAD 69 kV	507728
20000	511	10659	AEP	ITP	\$24,500,000	AEP	Install 9 miles of 345 kV line from Shipe Road to East Rogers		6/1/2016	60 months	506979	Shipe Road 345	506982
20000	511	10660	AEP	ITP	\$65,500,000	AEP	Install 32 miles of 345 kV line from East Rogers to Kings River (previous Osage Creek)		6/1/2016	60 months	506982	East Rogers 345	506987
20031	633	10828	SPS	ITP	\$2,700,000	SPS	Build new 3 mile 69 kV line from Artesia Town - Artesia South Rural 69 kV.	3/31/2015	6/1/2009	36 months	527747	Artesia Town Sub 69 kV	527775
200216	681	10898	AEP	ITP	\$4,923,124	AEP	Rebuild 1-mile portion of the 69 kV line from Broadmoor to Fern Street with 1233.6 ACSR/TW. Replace switches at Fern Street.	6/1/2015	6/1/2013	24 months	507716	BROADMOOR	507724
	682	10899	TBD	High Priority	\$6,404,500	SPP	Reconductor 10.7-mile 69 kV line from Little River to Maud Tap to achieve a new line rating of 52.6/65.7 MVA.		6/1/2015	24 months	515503		515054
200188	703	10935	TSMO	Balanced Portfolio	\$7,464,022	KCPL	Add 345 kV line terminal at Iatan. Add ring bus at Iatan to accommodate line terminals.	6/1/2015	6/1/2015		542982	IATAN 345 KV	542980
20042	703	10945	TSMO	Balanced Portfolio	\$2,654,799	KCPL	Install new 345/161 kV transformer at Nashua	6/1/2015	6/1/2015		542980	PAOLA 345KV	543028
20130	764	11007	SPS	ITP	\$1,518,414	SPS	Upgrade Happy County 115/69 kV Transformer #1 to 84/96 MVA	5/31/2015	6/1/2012	28 months	525154	Happy Interchange 115 kV	525153
20130	764	11009	SPS	ITP	\$1,565,056	SPS	Upgrade Happy County 115/69 kV Transformer #2 to 84/96 MVA	11/30/2015	6/1/2012	28 months	525154	Happy Interchange 115 kV	525153
200256	766	11010	SPS	ITP	\$6,886,931	SPS	Add second 230/115 kV 250 MVA transformer at Newhart substation.	6/1/2015	6/1/2015		525461	Newhart Interchange 230 kV	525460
200229	772	11017	SPS	ITP	\$32,429,240	SPS	Build new 16.8-mile 230 kV line from Carlisle to Wolfforth South and install necessary terminal equipment.	6/1/2017	6/1/2017	36 months	526525	Wolfforth Interchange 230 kV	526161
20084	774	11023	SPS	ITP	\$4,396,370	SPS	Build new 3.7 mile Hastings - East Plant 115kV line.	6/30/2015	6/1/2010	4 months	524136	Hastings Sub 115 kV	524162
200214	802	11064	SPS	ITP	\$4,255,145	SPS	Upgrade Eddy County 230/115 kV transformer Ckt 1 to 250 MVA.	6/1/2015	6/1/2016	24 months	527800	Eddy County Interchange 230 kV	527798
200190	805	11067	SPS	Regional Reliability	\$3,100,001	SPS	Install second 115/69 kV transformer at Bowers.	3/1/2015	6/1/2013	24 months	523748	Bowers Interchange 115 kV	523747
20086	819	11082	WR	ITP	\$6,384,142	WR	Rebuild 5.56 mile Gill Energy Center East - MacArthur 60 kV line. Replace substation bus and jumpers at MacArthur 69 kV.	6/1/2015	6/1/2013	18 months	533795	GILL ENERGY CENTER EAST 69 KV	533813
20084	834	11101	SPS	ITP	\$6,500,000	SPS	Convert existing 3 mile Portales Interchange - Zodiac 69 kV line to operate at 115 kV.	3/30/2015	6/1/2013	18 months	524924	Portales Interchange 115 kV	524935

200166	836	11104	SPS	ITP	\$3,000,000	SPS	Tap Bailey County Interchange - Plant X 115 kV line and convert Muleshoe East substation to 115 kV operation.	11/28/2015	6/1/2012	20 months	524030	Muleshoe E 115 kV	
200214	839	11107	SPS	ITP	\$15,196,472	SPS	Build new 22-mile 115 kV line from Kress Interchange to new Kiser substation.	1/15/2015	6/1/2013	36 months	525192	Kress Interchange 115 kV	525271
200245	844	11113	WFEC	ITP	\$4,725,000	WFEC	Reconductor 9.9-mile 69 kV line from Mustang to Sunshine Canyon upgrading conductor from 4/0 to 556.	12/31/2015	6/1/2014	18 months	521005	MUSTANG	521058
20132	846	11116	WFEC	ITP	\$1,125,000	WFEC	Rebuild 2-mile Blanchard - OU Switchyard 69 kV line as 138 kV.	12/1/2015	6/1/2012	12 months	520828	BLANCHARD	521104
200256	856	11127	SPS	ITP	\$9,247,136	SPS	Build new 5.1-mile 115 kV line from Centre St. to Hereford NE. Convert distribution transformer high side at Centre St. from 69 kV to 115 kV. Install any necessary terminal equipment at Hereford NE.	12/31/2017	6/1/2014		524567	Northeast Hereford Interchange 115 kV	524555
200207	865	11142	OPPD	ITP	\$475,340	OPPD	Increase line clearances and upgrade terminal equipment on Sub 917 - Sub 918 69 kV line to allow the use of a higher conductor rating.	6/1/2018	6/1/2018	18 months	647917	Sub 917	647918
	876	11156	TBD	High Priority	\$631,096	SPP	Rebuild 0.9-mile 69 kV line from Thomas Tap to Weatherford with 959.6 ACSR/TW conductor to achieve a new line rating of 68/94 MVA.		6/1/2021	24 months	511517	THOMAS TAP	511481
200216	879	11158	AEP	ITP	\$10,241,314	AEP	Rebuild 9.0-mile 138 kV line from Prattville to Bluebell with 1926.9 ACSR/TW.	6/1/2015	6/1/2014	24 months	515242	BLUEBELL 138	509758
200208	909	11205	WFEC	ITP	\$1,705,000	WFEC	Rebuild and convert 4-mile Oklahoma University Switchyard - Cole Substation line to 138 kV and install necessary terminal equipment.	9/25/2015	6/1/2013	12 months	521104	OU SWITCH 4	520861
20110	910	11207	OGE	Transmission Service	\$225,000	OGE	Replace wavetrap	6/1/2019	6/1/2019	12 months	514839	BRYANT 138	514835
20096	936	11236	AEP	High Priority	\$127,995,000	AEP	Build a new 76 mile 345 kV line from Valliant to NW Texarkana with at least 3000 A capacity. Upgrade the Valliant and NW Texarkana substations with the necessary breakers and terminal equipment.	10/1/2015	10/1/2014	51 months	510911	VALLIANT 345KV	508072
20097	938	11238	TSMO	High Priority	\$232,784,543	GMO	Build a new 105 mile 345 kV line with at least 3000 A capacity from Sibley to a new Mullin Creek (formerly Maryville) substation. Upgrade the Sibley substation with the necessary breakers and terminal equipment.	6/1/2017	6/1/2017	72 months	541201	Sibley 345 KV	541197
20097	938	11239	TSMO	High Priority	\$99,442,066	GMO	Build a new 345 kV substation at Mullin Creek (formerly Maryville) with a ring bus and necessary terminal equipment. Build a new 65 mile 345 kV line with at least 3000 A capacity from the new Mullin Creek substation to the Missouri/Nebraska state border towards OPPD's Nebraska City substation.	6/1/2017	6/1/2017	72 months	645458	Sub 3458 (Neb Cty)	541197
20098	939	11240	OPPD	High Priority	\$75,564,841	OPPD	Build a new 45-mile 345 kV line with at least 3000 A capacity from the Nebraska City substation to the Missouri/Nebraska state border towards KCPL's Mullin Creek (formerly Maryville) substation. Upgrade the Nebraska City substation with the necessary breakers and terminal equipment.	6/1/2017	6/1/2017		645458	Sub 3458 (Neb Cty)	541197
20104	947	11261	AEP	Transmission Service	\$6,072,000	AEPW	Rebuild 4.33 of 795 ACSR with 1590 ACSR.	6/1/2015	6/1/2015	20 months	509806	ONETA 138KV	509786

20130	1001	11315	SPS	ITP	\$10,316,217	SPS	Construct approximately 2 miles of new 115 kV line from Randall Co. with 795 ACSR. Tie new line into V70 around (not to) Osage Substation. Add new 115 kV terminal at Randall Co. Interchange. (Re-build Randall 115 kV bus to breaker and one-half design.) Re-Conductor V70 with 795 ACSR. Remove line termination at Osage Substation. Upgrade terminal equipment and reset relays at South Georgia Interchange. Remove V04 termination from Osage and remove circuit back to Manhattan Tap (remove 3-terminal condition). Remove circuits V67 & V05 terminations from Osage and tie together around Osage Substation. Leave only V43 & T75 terminated at the Osage Substation.	6/1/2015	6/1/2016	24 months	524364	Randall County Interchange 115 kV	524322
200214	1003	11317	SPS	ITP	\$3,659,503	SPS	Upgrade Grassland 230/115 kV transformer Ckt 1 to 250 MVA.	6/1/2015	6/1/2013	24 months	526677	Grassland Interchange 230 kV	526676
200256	1004	11318	SPS	ITP	\$3,183,028	SPS	Upgrade existing 230/115 kV transformer at Swisher to 250 MVA.	5/29/2015	6/1/2014	24 months	525213	Swisher County Interchange 230 kV	525212
20110	1021	11343	OGE	Transmission Service	\$18,000,000	OGE	Add 3rd 345kV line from Arcadia to Redbud	6/1/2019	6/1/2019	36 months	514908	ARCADIA 345	514909
200214	1031	11355	SPS	ITP	\$2,378,798	SPS	Upgrade Crosby County 115/69 kV transformer Ckt 1 to 84 MVA.	6/1/2015	6/1/2013	24 months	525926	Crosby County Interchange 115 kV	525925
200214	1031	11356	SPS	ITP	\$2,301,000	SPS	Upgrade Crosby County 115/69 kV transformer Ckt 2 to 84 MVA.	6/1/2015	6/1/2013	24 months	525926	Crosby County Interchange 115 kV	525925
200166	1033	11358	SPS	ITP	\$6,300,000	SPS	Reconductor 4.1 miles of 6.1-mile 115 kV line from Randall County to South Georgia.	6/1/2015	6/1/2017	18 months	524364	Randall County Interchange 115 kV	524322
20130	1036	11372	SPS	ITP	\$3,624,336	SPS	Convert 1.04 miles of Z33 to 115 kV service by tapping the 115 kV line from Sunset Substation to Coulter Interchange at I-40 & Soncy Street. At Soncy Sub split the converted Z33 line off the 69 kV bus and terminate to a new 115/13.2 kV transformer to serve the Soncy distribution load. Install new 115/13.2 kV distribution transformer. Leave 69 kV underground cable to Lawrence Park to be fed by Y72 out of Coulter Interchange.	12/31/2015	6/1/2015	18 months	524252	Soncy Tap 115 kV	524254
20130	1042	11383	SPS	ITP	\$300,000	SPS	Tap the Kress - Plainview City 115 kV line with North Plainview substation. Convert North Plainview substation to 115 kV.	1/15/2015	6/1/2015		525257	North Plainview Sub 115 kV	
20130	1043	11384	SPS	ITP	\$400,000	SPS	Tap the Kress - Plainview City 115 kV line with Kress Rural. Convert Kress Rural substation to 115 kV.	1/15/2015	6/1/2015		525225	Kress Rural Sub 115 kV	
200305	1083	11423	AEP	ITP	\$24,880,495	AEP	Rebuild 23.7-mile 138 kV line from Welsh Reserve to Wilkes with 1926.9 ACSR/TW conductor. Upgrade switches at Welsh Reserve and Wilkes and wave traps, jumpers, CT ratios, and relay settings at Wilkes.	6/1/2019	6/1/2019		508355	Welsh Reserve 138 kV	508840
200208	909	11425	WFEC	ITP	\$1,400,000	WFEC	Convert 10.2-mile Cole - Criner line to 138 kV and convert the Cole substation to 138 kV.	9/25/2015	6/1/2013	12 months	520861	COLE	520868
20137	1134	11496	OGE	Transmission Service	\$12,500,000	OGE	Install third 345/138 kV transformer in Northwest Sub	6/1/2015	6/1/2017	40 months	514880	NORTHWEST 345	514879
	1139	11501	TBD	High Priority	\$10,946,449	SPS	Rebuild 6-mile 115 kV line from Lubbock South Interchange to Allen substation.	6/1/2017	6/1/2019	24 months	526268	Lubbock South Interchange 115 kV	526213

200262	1142	11506	SPS	Regional Reliability	\$12,806,065	SPS	Rebuild 13.5-mile 4/0 segment of 115 kV line from Canyon East Sub to Randall County Interchange with 795 ACSR conductor.	3/31/2018	2/1/2014		524364	Randall County Interchange 115 kV	524523
200262	1144	11508	SPS	Regional Reliability	\$4,087,144	SPS	Add second 230/115 kV 250 MVA transformer at Hitchland.	6/1/2019	6/1/2019	24 months	523095	Hitchland Interchange 230 kV	523093
	1146	11509	TBD	High Priority	\$3,644,914	SPS	Increase Carlisle 230/115 kV transformer to 250 MVA.		6/1/2023	24 months	526161	Carlisle Interchange 230 kV	526160
200214	1147	11512	SPS	ITP	\$2,045,196	SPS	Convert 26 miles of 115 kV line from Channing to Potter to 230 kV and upgrade necessary terminal equipment at Potter.	6/1/2015	6/1/2013	48 months	523869	Channing 230 kV	523959
200214	1147	11514	SPS	ITP	\$4,796,000	SPS	Convert 35 miles of 115 kV line from Channing to new XIT substation (near Dallam) to 230 kV.	6/1/2015	6/1/2013	48 months	523869	Channing 230 kV	523229
200214	1147	11515	SPS	ITP	\$8,849,320	SPS	Install 230/115 kV transformer at XIT substation.	6/1/2015	6/1/2013	48 months	523229	Dallam 230 kV	523228
20028	30071	50077	GRDA	ITP	\$374,000	GRDA	Add 7.2 Mvar capacitor at Sallisaw 69 kV.		6/1/2011	12 months	512652	SALLISAW 69	
20003	30079	50085	WFEC	ITP	\$324,000	SPP	Install 12 Mvar capacitor at Carter Jct which makes at total of 24 Mvar.	6/26/2015	6/1/2010	12 months	520846	CARTER JCT	
200242	30097	50103	WR	ITP	\$1,184,617	WR	Install 10.9-Mvar capacitor bank at 115 kV bus at Vaughn substation.	12/1/2015	6/1/2014	18 months	533308	VAUGHN 115 KV	
20017	30160	50168	OGE	Transmission Service	\$14,000,000	OGE	Convert Ft. Smith 161KV to 1-1/2 breaker design and install 3rd 500-161KV transformer bank.	6/1/2017	6/1/2017	36 months	515305	FT SMITH 500	515300
20017	30164	50172	OGE	Transmission Service	\$100,000	OGE	Upgrade CT	6/1/2017	6/1/2017	9 months	515336	VBI 69	504032
20080	30201	50208	NPPD	ITP	\$700,000	NPPD	Add a 18 Mvar capacitor bank at Clarks substation 115 kV bus.		11/1/2012	24 months	640436	Clarks	
20080	30202	50209	NPPD	ITP	\$50,000	NPPD	Expand existing 9 Mvar bank to 15 Mvar capacitor bank at Ainsworth substation 115 kV bus.		11/1/2012	24 months	640051	Ainsworth	
20080	30203	50210	NPPD	ITP	\$700,000	NPPD	Add a second 18 Mvar capacitor bank at Oneill 115 kV substation for a total of 36 Mvar at this location.		11/1/2012	24 months	640305	O'Neill	
20059	30226	50230	WR	transmission service	\$2,166,509	WR	Add 6 Mvar Cap bank at Altoona East	12/1/2015	6/1/2014	18 months	533673	ALTOONA EAST 69 KV	
20108	30290	50328	WR	Transmission Service	\$700,000	WR	Replace disconnect switches, wavetrap and CT	6/1/2016	6/1/2019		533012	HALSTEAD SOUTH BUS 138 KV	533065
20122	30296	50334	AEP	ITP	\$1,166,400	AEP	Install a new 28.8 MVAR capacitor bank at Winnsboro 138 kV substation.	6/1/2016	6/1/2016	18 months	508317	Winnsboro 138 kV	
20122	30298	50336	AEP	ITP	\$1,166,400	AEP	Install 28.8 MVAR capacitor bank at Logansport 138 kV substation.	6/1/2016	6/1/2016	18 months	509071	LOGANSPO RT 138KV	
20107	30299	50337	MKEC	Transmission Service	\$145,319	MKEC	Replace CTs and relays at Jewell substation and Smith Center substation	6/1/2015	6/1/2018		539669	Jewell 3 115	539693
20136	30320	50366	WFEC	Transmission Service	\$4,800,000	WFEC	UPGRADE CANTON TO TALOGA TO 336.4	10/15/2015	6/1/2011		521064	TALOGA	520843
20136	30321	50367	WFEC	Transmission Service	\$1,000,000	WFEC	Replace Taloga 138/69 kV auto transformer with 112 MVA.	6/1/2015	6/1/2011		521065	TALOGA	521064
20140	30326	50372	WR	Zonal Reliability	\$9,308,090	WR	Build 6.7-mile Clay Center Switching Station to TC Riley 115 kV line with Single 1192.5 kcmil ACSR (Bunting).	6/1/2017	10/1/2012		533320	Clay Center Switching Station 115 kV	533319
20140	30328	50374	WR	Zonal Reliability	\$963,441	WR	Install a 2000 Amp bus system, GOAB switches, metering and communication systems.	6/1/2017	10/1/2012		533319	Riley	
200282	30331	50378	SPS	High Priority	\$1,470,325	SPS	Install 14.4-Mvar capacitor bank at Eagle Creek 115 kV bus.	10/15/2016	6/1/2015	12 months	527711	Eagle Creek 115 kV	
200166	30332	50379	SPS	ITP	\$1,143,670	SPS	Install 14.4 Mvar capacitor at Drinkard 115 kV.	6/1/2015	6/1/2015	12 months	528589	Drinkard Sub 115 kV	

200165	30340	50387	AEP	Generation Interconnection	\$150,000	AEP	Replace transmission line relays protecting the terminal to a new WFEC 138 kV switching station being built for Windfarm66 LLC.				511485	CLINTON JUNCTION 138KV	
200166	30356	50406	SPS	ITP	\$5,400,001	SPS	Install new 115/69 kV transformer at new Diamondback Interchange near Cedar Lake.	6/30/2015	6/1/2012	24 months	527212	Cedar Lake 115 kV	527211
200166	30356	50407	SPS	ITP	\$8,000,000	SPS	Build 12 miles of new 115 kV line from Sulphur Interchange to Diamondback Interchange near Cedar Lake.	6/30/2015	6/1/2012	24 months	527262	Sulphur Interchange 115 kV	527212
200173	30358	50409	MKEC	ITP	\$13,151,512	MKEC	Build 21-mile new 115 kV line from Ellsworth to the Midwest Energy's Bushton substation.	6/1/2015	6/1/2012	24 months	530623	RICE COUNTY 115 KV	539662
200173	30358	50410	MKEC	ITP	\$5,914,221	MKEC	Install 3-breaker ring bus at Ellsworth Tap 115 kV.	6/1/2015	6/1/2012	12 months	539642	Ellsworth Tap	
200255	30361	50413	AEP	ITP	\$93,361,588	AEP	Build new single circuit 345 kV line from new Chisholm substation to point of interconnection with Oklahoma Gas & Electric Co. (OGE) towards Gracemont. The approximate line length for the Chisholm - Gracemont 345 kV line is 100 miles, of which AEP will construct approximately 70 miles from Chisholm to the OGE interconnection point.	3/1/2018	3/1/2018	60 months	700345	Chisholm 345 kV	515800
200255	30361	50414	AEP	ITP	\$20,410,547	AEP	Construct new 345/230 kV Chisholm substation between existing 230 kV substations, Sweetwater and Elk City. Cut-in existing Sweetwater - Elk City 230 kV Ckt 1 line into new Chisholm substation and install any necessary 230 kV terminal equipment. Install new 345/230 675 MVA transformer at new Chisholm substation.	3/1/2018	3/1/2018	60 months	700345	Chisholm 345 kV	700231
200240	30361	50419	OGE	ITP	\$43,853,500	OGE	Build new 30-mile single circuit 345 kV line from the Gracemont substation to the interconnection point with American Electric Power, toward the new Chisholm substation. Install any necessary terminal equipment at Gracemont.	3/1/2018	3/1/2018	60 months	700345	Chisholm 345 kV	515800
200223	30364	50420	OGE	ITP	\$59,522,400	OGE	Build second circuit of new 49-mile 345 kV line from Woodward District EHV to Tatonga.	3/1/2021	3/1/2021	72 months	515375	Woodward EHV 345kv	515407
200223	30364	50421	OGE	ITP	\$65,785,650	OGE	Build second circuit of new 61-mile 345 kV line from Tatonga to new Matthewson substation.	3/1/2021	3/1/2021	72 months	515407	Tatonga 345kv	515497
200222	30367	50425	ITCGP	ITP	\$35,045,917	ITCGP	Build new 345 kV line from the Elm Creek substation to the Westar Energy, Inc. interception point from the Summit substation.	3/1/2018	3/1/2018	48 months	750011	Elm Creek 345 kV	532773
200222	30367	50426	ITCGP	ITP	\$6,049,619	ITCGP	Install new 345/230 kV transformer at Elm Creek.	12/31/2016	3/1/2018	48 months	750011	Elm Creek 345 kV	539639
200222	30367	50427	ITCGP	ITP	\$9,226,245	ITCGP	Install terminal equipment on the 345 kV side of the Elm Creek substation.	12/31/2016	3/1/2018	48 months	750011	Elm Creek 345 kV	
200222	30367	50428	ITCGP	ITP	\$2,110,930	ITCGP	Install terminal equipment on the 230 kV side of the Elm Creek substation.	12/31/2016	3/1/2018	48 months	539639	Elm Creek Substation	
200221	30367	50429	WR	ITP	\$66,202,442	WR	Build new 345 kV line from the Summit substation to the ITC Great Plains, LLC interception point from the Elm Creek substation.	12/31/2016	3/1/2018	60 months	750011	Elm Creek 345 kV	532773
200253	30374	50440	NPPD	ITP	\$68,774,278	NPPD	Build a new 41-mile 345 kV line from Hoskins to Neligh.	6/1/2016	6/1/2016	39 months	640226	Hoskins 345 kV	750013
200253	30374	50441	NPPD	ITP	\$12,118,564	NPPD	Build new substation at Neligh. Install a new 345/115 kV transformer and all necessary 345 kV equipment at Neligh.	6/1/2016	6/1/2016	39 months	750013	Neligh 345 kV	640293

200220	30375	50442	NPPD	ITP	\$139,090,440	NPPD	Build new 110-mile 345 kV line from Gerald Gentleman Station substation to new Cherry County substation. This upgrade is contingent upon approval from Western Area Power Administration ("WAPA") to tap the Grand Island - Fort Thompson 345 kV line.	1/1/2018	1/1/2018	72 months	640500	Cherry County 345 kV	640183
200220	30375	50444	NPPD	ITP	\$11,896,383	NPPD	Build new Cherry County 345 kV substation and install necessary terminal equipment. This upgrade is contingent upon approval from WAPA to tap the Grand Island - Fort Thompson 345 kV line.	1/1/2018	1/1/2018	72 months	640500	Cherry County 345 kV	
200220	30375	50445	NPPD	ITP	\$146,065,000	NPPD	Build new 117-mile 345 kV line from new Cherry County substation to new Holt County substation. This upgrade is contingent upon approval from WAPA to tap the Grand Island - Fort Thompson 345 kV line.	1/1/2018	1/1/2018	72 months	640500	Cherry County 345 kV	640503
200220	30375	50446	NPPD	ITP	\$16,324,800	NPPD	Build new Holt County 345 kV substation tap on the Grand Island - Fort Thompson 345 kV line owned by WAPA. Install necessary terminal equipment at new substation. This upgrade is contingent upon approval from WAPA to tap the Grand Island - Fort Thompson 345 kV line.	1/1/2018	1/1/2018	72 months	640503	Holt County 345 kV	
200309	30376	50447	SPS	High Priority	\$129,945,941	SPS	Construct new 107-mile 345 kV line from Tuco to Yoakum. Install any necessary 345 kV terminal equipment at Yoakum associated with new 345/230 kV transformer.	6/1/2020	6/1/2020	72 months	525832	TUCO Interchange 345 kV	526462
200173	30358	50449	MKEC	ITP	\$2,669,385	MKEC	Expand Ellsworth Substation to include two new 115 kV breakers for the new 115 kV line to Rice.	6/1/2015	6/1/2012	24 months	539662	Ellsworth 115 KV	
200309	30376	50451	SPS	High Priority	\$5,047,343	SPS	Install new 345/230 kV 644 MVA transformer at Yoakum substation. Install any necessary 230 kV terminal equipment.	6/1/2020	6/1/2020	72 months	526462		526460
200309	30376	50452	SPS	High Priority	\$16,204,449	SPS	Expand existing Hobbs substation to accommodate 345 kV terminals. Install 345/230 kV 644 MVA transformer at Hobbs.	6/1/2018	6/1/2018	72 months	527896	Hobbs Interchange 345 kV	527894
200190	805	50453	SPS	Regional Reliability	\$30,851,077	SPS	Build new 38-mile 115 kV line from Bowers Interchange - Howard. At Bowers, install 115 kV breaker positions to serve the new transmission line, converting to a three-breaker ring configuration.	1/14/2016	6/1/2013	36 months	523748	Bowers Interchange 115 kV	523797
200223	30364	50456	OGE	ITP	\$32,936,400	OGE	Build second circuit of new 16-mile 345 kV line from the new Matthewson substation to Cimarron.	3/1/2021	3/1/2021	72 months	515497	MATHEWSON 345	514901
200309	30376	50457	SPS	High Priority	\$90,628,750	SPS	Construct new 52-mile 345 kV line from Hobbs to Yoakum.	6/1/2020	6/1/2020	72 months	526462		527896
200223	30364	50458	OGE	ITP	\$19,967,850	OGE	Build new Matthewson 345 kV substation at the intersection of the Woodring - Cimarron and Northwest - Tatonga 345 kV lines.	3/1/2021	3/1/2021	72 months	515497	MATHEWSON 345	
	30401	50492	TBD	ITP	\$33,126,800	SPP	Build new 28 miles 345 kV Cass Co. - S.W. Omaha (aka S3454) and associated terminal equipment		1/1/2033		645740	Sub 3740	645454
	30402	50493	TBD	ITP	\$12,600,000	SPP	Install 2nd 345/161 kV 560 MVA S3459 transformer		1/1/2033		645459	Sub 3459	646209
200189	703	50499	TSMO	Balanced Portfolio	\$55,223,248	GMO	Build 31 miles of new 345 kV line from Iatan to Nashua.	6/1/2015	6/1/2015		542982	IATAN 345 KV	542980
200190	30410	50503	SPS	Regional Reliability	\$36,000,000	SPS	Rebuild 49-mile 69 kV line between Bowers and Canadian with 795 ACSR conductor.	1/15/2016	6/1/2012	36 months	523747	Bowers Interchange 69 kV	523579

200190	30412	50505	SPS	Regional Reliability	\$911,730	SPS	Add two banks of 7.2 Mvar capacitors at the Kingsmill Interchange 115 kV substation.	1/31/2015	6/1/2013	36 months	523712	Kingsmill Interchange 115 kV	
200262	30420	50513	SPS	Regional Reliability	\$285,176	SPS	Upgrade 800 Amp wave trap at both Bushland Interchange and Deaf Smith Interchange.	6/1/2016	2/1/2014		524267	Bushland Interchange 230 kV (POI: Wildorado Wind, 160MW)	524623
200193	30422	50515	SPS	Regional Reliability	\$4,236,816	SPS	Upgrade Deaf Smith County Interchange 230/115 kV Ckt 1 transformer to 250 MVA.	3/1/2015	6/1/2012	24 months	524623	Deaf Smith County Interchange 230 kV	524622
200214	30423	50516	SPS	ITP	\$4,225,233	SPS	Upgrade Deaf Smith Interchange 230/115 kV transformer Ckt 2 to 250 MVA.	3/1/2015	6/1/2013	24 months	524623	Deaf Smith County Interchange 230 kV	524622
200214	30424	50517	SPS	ITP	\$12,470,000	SPS	Rebuild 16.9-mile 115 kV line from Ochiltree to Tri-County REC Cole Ckt 1.	12/31/2015	6/1/2013	24 months	523154	Ochilltree Interchange 115 kV	523120
200214	30429	50522	SPS	ITP	\$21,078,890	SPS	Rebuild 25.8-mile 115 kV line from Crosby to Floyd Ckt 1.	11/15/2015	6/1/2013	24 months	525926	Crosby County Interchange 115 kV	525780
200216	30436	50531	AEP	ITP	\$1,000,000	AEP	Replace 138 kV breaker at Perdue.	6/1/2016	6/1/2016	12 months	508560	NEW GLADEWATER	508351
200242	30437	50532	WR	ITP	\$20,530,196	WR	Build new Geary County 345/115 kV substation south of Junction City where JEC - Summit 345 kV and McDowell Creek - Junction City #2 115 kV circuits separate. Install 345/115 kV 440 MVA transformer and 115 kV terminal equipment.	6/1/2017	6/1/2014	24 months	532767	Geary County 345 kV	533336
200241	30438	50533	GRDA	ITP	\$161,100	GRDA	Replace 1200 Amp switch with a 2000 Amp switch at Kerr substation 161 kV bus.	6/1/2017	6/1/2017	12 months	512637	412SUB 161	512635
200242	30437	50534	WR	ITP	\$27,938,225	WR	Build new 15.1-mile 115kV line between the new Geary County substation and Chapman Tap. 10.4 miles of the line will be built as a 2nd circuit to the existing Summit - McDowell Creek 345 kV line.	6/1/2017	6/1/2014	36 months	533336	Geary County 115 kV	533362
200241	30440	50535	GRDA	ITP	\$161,100	GRDA	Replace 1200 Amp switch with a 2000 Amp switch at Kansas Tap substation 161 kV bus.	6/1/2018	6/1/2018	12 months	512637	412SUB 161	512714
	30444	50539	TBD	High Priority	\$1,401,906	SPS	Install 28.8 Mvar capacitor bank at Cochran 115 kV bus.		6/1/2015	12 months	526361	Cochran Interchange 115 kV	
200231	30449	50545	AEP	ITP	\$25,060,655	AEP	Rebuild 27.6-mile 138 kV line from Rock Hill to Springridge Pan-Harr REC with 1926.9 ACSR/TW conductor.	6/1/2016	6/1/2014	24 months	509083	ROCK HILL 138	507757
200214	30451	50546	SPS	ITP	\$20,808,304	SPS	Build new 12-mile 115 kV line from Atoka to Eagle Creek and install necessary terminal equipment.	12/31/2016	6/1/2015	36 months	527786	Atoka Interchange 115 kV	527711
200172	30358	50549	MIDW	ITP	\$1,459,629	MIDW	Install terminal equipment at new Bushton 115 kV substation to accommodate the new 115 kV line from Ellsworth.	6/1/2015	6/1/2012	29 months	530681	Bushton 115 kV	
200214	30466	50560	SPS	ITP	\$2,194,976	SPS	Upgrade Potash Junction 115/69 kV transformer Ckt 1 to 84 MVA.	5/15/2015	6/1/2013	24 months	527962	Potash Junction Interchange 115 kV	527961
200229	30469	50563	SPS	ITP	\$5,136,476	SPS	Build new 5.3-mile 115 kV line from the switching station east of Kilgore substation to South Portales and install necessary terminal equipment.	6/1/2018	6/1/2018		524935	Zodiac Sub 115 kV	524949
200229	30469	50564	SPS	ITP	\$6,498,682	SPS	Build new 6-mile 115 kV line from South Portales to Market St. and install necessary terminal equipment.	6/1/2018	6/1/2018	24 months	524949	S Portales 115 kV	524950
200229	30469	50565	SPS	ITP	\$15,394,429	SPS	Build new 10.4-mile 115 kV line from Market St. to Portales and install necessary terminal equipment.	6/1/2018	6/1/2018	24 months	524950	Market ST 115 kV	524924
200216	30471	50567	AEP	ITP	\$16,548,317	AEP	Rebuild 13.2-mile 69 kV line from Dekalb to New Boston with 1233.6 ACSR/TW. Upgrade CT ratios and relay settings at New Boston.	6/1/2015	6/1/2013	24 months	508067	NEW BOSTON	508289
200216	30472	50568	AEP	ITP	\$7,519,658	AEP	Rebuild 1.6-mile 69 kV line from Hardy Street to Waterworks with 1233.6 ACSR/TW.	6/1/2015	6/1/2013	18 months	507734	HARDY STREET	507766

200216	30473	50569	AEP	ITP	\$1,829,026	AEP	Rebuild 4.0-mile 69 kV line from Midland REC to North Huntington with 1233.6 ACSR/TW. Upgrade CT ratios, relay settings, and jumpers at North Huntington.	6/1/2015	6/1/2013	24 months	507196	MIDLAND REC	507188
200216	30474	50570	AEP	ITP	\$5,653,353	AEP	Rebuild 1.3-mile 69 kV line from Midland to Midland REC with 1233.6 ACSR/TW. Upgrade CT ratios, relay settings, switches, and station conductors at Midland.	6/1/2015	6/1/2013	18 months	507187	MIDLAND	507196
200216	30475	50571	AEP	ITP	\$9,145,130	AEP	Rebuild 7.0-mile portion of the 69 kV line from Howe Interchange to Midland with 1233.6 ACSR/TW. The portion of line to be rebuilt is from the state line to Midland. Upgrade CT ratios, relay settings, switches, and station conductors at Midland.	6/1/2015	6/1/2013	24 months	515259	HOWE INT 69	507187
200202	30476	50572	GRDA	ITP	\$355,000	GRDA	Increase line clearance for Chelsea - Childers 69 kV Ckt 1.	6/1/2015	6/1/2015	24 months	512725	CHELSEA 69	512723
200207	30478	50574	OPPD	ITP	\$260,590	OPPD	Rebuild 0.7-mile 69 kV line from 915 Tap South to Sub 915 T2.	6/1/2015	6/1/2015	12 months	647016	915 Tap in Ckt 623	647915
200194	30481	50577	OGE	Transmission Service	\$10,000	OGE	Replace 400 amp CT in El Reno sub with 800 amp.	6/1/2017	6/1/2017	14 months	514818	EL RENO 69	514817
200208	909	50579	WFEC	ITP	\$3,000,000	WFEC	Convert 6.3 miles of 69 kV line to 138 kV from Criner to new Payne Switching Station.	9/25/2015	6/1/2013	24 months	520868	CRINER	520888
200208	909	50580	WFEC	ITP	\$250,000	WFEC	Tap the Paoli - Cornville Tap 138 kV line and install switching station at Payne with any necessary terminal equipment. The new switching station will terminate the Payne - Criner - Cole - Oklahoma University 138 kV line.	9/25/2015	6/1/2013	24 months	520888	Payne Switching Station 138 kV	
200212	30483	50581	WR	ITP	\$7,122,480	WR	Install a third 138/69 kV transformer at Gill Energy Center.	12/1/2015	6/1/2015	18 months	533046	GILL ENERGY CENTER SOUTH 138 KV	533795
200228	30484	50582	WR	ITP	\$14,331,670	WR	Install new 345/138 kV transformer at Viola substation.	6/1/2018	6/1/2018	36 months	532798	Viola 7	533075
200228	30484	50583	WR	ITP	\$35,992,903	WR	Build new 21.8-mile 138 kV line from new Viola substation to Clearwater 138 kV substation.	6/1/2018	6/1/2018	36 months	533075	Viola 138kV	533036
200228	30484	50584	WR	ITP	\$22,234,744	WR	Build new 27.9-mile 138 kV line from new Viola substation to Gill 138 kV substation.	6/1/2017	6/1/2018	36 months	533075	Viola 138kV	533045
200194	1134	50585	OGE	Transmission Service	\$2,260,299	OGE	Accelerate installation of third 345/138 kV bus tie in Northwest Sub (UID 11496).	6/1/2015	6/1/2012	36 months	514880	NORTHWEST 345	514879
200212	30487	50593	WR	ITP	\$767,165	WR	Install 9.6 Mvar capacitor bank at Potwin 69 kV bus.	6/1/2017	6/1/2013		533601	POTWIN 69 KV	
200200	30489	50598	WFEC	Regional Reliability	\$237,000	WFEC	Install two 4.8 Mvar capacitors at White Horse 69 kV for total of 9.6 Mvar.	2/27/2015	1/1/2013		520394	Whitehorse 69kV	
200200	30491	50600	WFEC	Regional Reliability	\$237,000	WFEC	Install two 4.8 Mvar capacitors at Hazelton 69 kV for total of 9.6 Mvar.	2/1/2015	1/1/2013		520937	HAZELTON	
200242	30437	50605	WR	ITP	\$16,190,561	WR	Install 345 kV ring bus at the new Geary County substation.	6/1/2017	6/1/2014	24 months	532767	Geary County 345 kV	
200210	30494	50606	MIDW	ITP	\$8,832,219	MIDW	Rebuild 3.25-mile 115 kV line from Hays Plant to South Hays.	6/1/2016	6/1/2013	30 months	530562	HAYS PLANT 115 KV	530553
200231	30495	50607	AEP	ITP	\$30,369,537	AEP	Build Messick 500/230 kV substation. Connect to Carrol, Clarence, and Western Kraft 230 kV lines. Install 500/230 kV 675 MVA transformer. This upgrade is contingent upon approval from Cleco Power LLC.	12/31/2015	6/1/2013	30 months	999113	Messick 500 kV	999114

200253	30496	50608	NPPD	ITP	\$6,616,429	NPPD	Install new 345/115 kV 400 MVA transformer at Stegall substation and necessary terminal equipment at the 115 kV bus. This upgrade is contingent upon approval from Basin Electric to connect to the Stegall 345 kV substation that they operate.	6/1/2017	6/1/2014	48 months	659135	STEGALL 345 kV	640530
200253	30496	50609	NPPD	ITP	\$26,894,676	NPPD	Install new 22-mile 115 kV line from Stegall to Scottsbluff and install any necessary terminal equipment. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	6/1/2017	6/1/2014	48 months	640530	Stegall 115 kV	640338
200228	30484	50612	WR	ITP	\$5,007,657	WR	Install 345 kV breakers at Viola substation.	6/1/2017	6/1/2018	36 months	532798	Viola 7	
200231	30495	50615	AEP	ITP	\$21,508,234	AEP	Install terminal equipment on 500 kV side of new Messick substation. Connect to Mt. Olive - Hartburg 500 kV line. This upgrade is contingent upon approval from Cleco Power LLC for Upgrade ID 50607.	12/31/2015	6/1/2013	30 months	999113	Messick 500 kV	
200253	30496	50616	NPPD	ITP	\$5,975,996	NPPD	Install any necessary terminal equipment at the 345 kV bus in Stegall substation. This upgrade is contingent upon Basin Electric's approval noted in Upgrade ID 50608.	6/1/2017	6/1/2014	48 months	659135	STEGALL 345 kV	
200253	30374	50621	NPPD	ITP	\$17,804,878	NPPD	Install necessary terminal equipment at the 115 kV bus in the new Neligh substation. Construct approximately 18 miles of new 115 kV transmission to tie Neligh East 345/115 kV into the existing 115 kV transmission system	6/1/2016	6/1/2016	39 months	640293	Neligh 115 kV	
200226	30501	50622	OGE	Regional Reliability	\$3,195,056	OGE	Build new 4-mile 138 kV line from Renfrow to Medford Tap.	3/1/2015	5/1/2013	22 months	515569	Medford Tap 138kV	515544
200234	30501	50624	WFEC	Regional Reliability	\$3,540,000	WFEC	Build new 12-mile 138 kV line from new Pond Creek substation to Oklahoma Gas and Electric Co. interception point going towards Medford Tap.	2/27/2015	5/1/2013		515569	Medford Tap 138kV	
200226	30501	50625	OGE	Regional Reliability	\$13,765,950	OGE	Build new 22-mile 138 kV line from Medford Tap to new Doolin substation.	12/1/2015	6/1/2015	22 months	515569	Medford Tap 138kV	515570
200234	30502	50626	WFEC	Regional Reliability	\$185,004	WFEC	Install new 138 kV 4.8-Mvar capacitor at Renfrow-Sandridge substation.	6/1/2017	6/1/2017		520409	Sandridge Tap 138kV	
200226	30501	50627	OGE	Regional Reliability	\$8,164,117	OGE	Build new 5-mile 138 kV line from Chikaskia to new Doolin substation.	12/1/2015	5/1/2013	22 months	514757	CHIKASKIA 138	515570
200234	30503	50628	WFEC	Regional Reliability	\$185,004	WFEC	Install new 69 kV 4.8-Mvar capacitor at Hazelton substation.	6/1/2017	6/1/2017		520937	HAZELTON	
200226	30501	50629	OGE	Regional Reliability	\$3,041,661	OGE	Build new 138 kV Doolin switching station.	3/1/2015	5/1/2013	22 months	515570	Doolin 138kV	
200264	30508	50635	OGE	Regional Reliability	\$1,720,000	OGE	Rebuild 3.58-mile 138 kV line from Division Ave to Lakeside.	6/1/2019	6/1/2019	24 months	514853	DIVISION AVE 138	514849
200262	30509	50636	SPS	Regional Reliability	\$2,694,811	SPS	Rebuild 3.73-mile 115 kV line from Canyon East Sub to Canyon West Sub with 795 ACSR conductor.	5/1/2017	2/1/2014		524523	Canyon East Sub 115 kV	524516
200262	30510	50637	SPS	Transmission Service	\$15,473,119	SPS	Construct new 7.7-mile 115 kV line from Mustang to Shell CO2.	6/1/2017	6/1/2015		527146	Mustang Interchange North Bus 115 kV	527062
200265	30523	50654	MKEC	Regional Reliability	\$12,869,230	MKEC	Construct new 115 kV substation adjacent to Cudahy. Tear down 23.2-mile 115 kV line from Cudahy to Kismet and rebuild with new 32-mile 115 kV line from Kismet to the new substation. Increase terminal limits as necessary at Kismet.		6/1/2014		539659	Cudahy 115 KV	539646

200265	30524	50655	MKEC	Regional Reliability	\$5,747,750	MKEC	Tear down 3.4-mile 115 kV line from Cimarron River Tap to Kismet and rebuild with new 6-mile 115 kV line from Cimarron River Station to Kismet. Install any necessary terminal equipment at Cimarron River Station. Increase terminal limits as necessary at Kismet.		6/1/2014		539652	Cimarron River Tap 115 KV	539646
	30526	50657	TBD	ITP	\$4,744,431	SPP	Rebuild 10-mile 69 kV line from Hobart to Roosevelt Tap to achieve a new emergency rating of 143 MVA. Upgrade jumpers, switches, CT ratios, and relay settings at Hobart.		6/1/2015	30 months	511465	HOBART	511444
	30526	50658	TBD	ITP	\$9,218,626	SPP	Rebuild 18.7-mile 69 kV line from Roosevelt Tap to Snyder 69 kV to achieve a new emergency rating of 158 MVA. Upgrade jumpers, switches, CT ratios, and relay settings at Snyder.		6/1/2015	30 months	511444	ROOSEVELT TAP	511475
200256	30552	50690	SPS	ITP	\$971,535	SPS	Rebuild 0.5-mile 115 kV line from Oxy Permian Sub to West Bender Sub.	6/1/2018	6/1/2018		528575	OXY Permian Sub 115 kV	528449
200242	30553	50691	WR	ITP	\$221,294	WR	Change CT setting from 600/5 to 1200/5 and upgrade relays at both Butler and Weaver to achieve a new emergency rating of 160 MVA on Butler - Weaver 138 kV Ckt 1.	6/1/2015	6/1/2015		532991	WEAVER 138 KV	532989
200256	30555	50693	SPS	ITP	\$8,023,016	SPS	Install 4-breaker ring bus at Quahada to connect the 115 kV lines from Cunningham to PCA Interchange and Lea National to Maljamar.	7/15/2015	6/1/2015		528394	Quahada 115 kV	
200242	30558	50696	WR	ITP	\$7,790,221	WR	Replace the existing Neosho #2 A, B, and C transformers with a single transformer with a minimum emergency rating of 165 MVA. Then, re-terminate the Neosho 138/69 kV #1 transformer from 533020-532793-532824 to 533021-532793-532824. This will move the 138 kV connection of this transformer from the Neosho South 138 kV bus (533020) to the Neosho 138 kV center bus (533021).	6/1/2016	6/1/2014		533021	NEOSHO 138 KV	533768
200246	30559	50697	AEP	ITP	\$6,651,694	AEP	Rebuild 4.4-mile 138 kV line from Chapel Hill REC to Welsh Reserve.	6/1/2019	6/1/2019		508337	CHAPEL HILL REC	508355
200296	30560	50698	WR	ITP	\$51,513,963	WR	Build new 28-mile 138 kV line from Viola to Sumner County.	6/1/2019	6/1/2019		532984	SUMNER COUNTY 138 kV	533075
200258	30561	50699	OPPD	ITP	\$4,426,730	OPPD	Install new 161/69 kV auto transformer including any necessary 69 kV terminal equipment.	6/1/2016	6/1/2016	18 months	646366	SUB 1366 161kV	647866
200245	30562	50700	WFEC	ITP	\$3,675,000	WFEC	Reconductor 9-mile 138 kV line from Red Hills to Elk City.	6/1/2015	6/1/2015	24 months	521116	RED HILLS WIND FARM BUS 138 kV	511458
200245	30563	50702	WFEC	ITP	\$504,000	WFEC	Add 20 Mvar of capacitance at Sandy Corner 138 kV.	5/1/2017	6/1/2017	18 months	520204	Sandy Corner 138 kV	
200248	30565	50703	SEPC	ITP	\$4,812,363	SEPC	Install 24-Mvar capacitor bank at 115 kV bus at Mingo substation.	5/31/2016	6/1/2014	24 months	531429	Mingo 115 kV	
200242	30568	50706	WR	ITP	\$1,390,166	WR	Install 10.8-Mvar capacitor bank at Clay Center Switching Station (Bus No. 533320).	6/1/2017	6/1/2016		533320	Clay Center Switching Station 115 kV	
200309	30569	50708	SPS	High Priority	\$43,096,827	SPS	Construct new 40-mile 345 kV line operated at 230 kV from Potash Junction to Road Runner.	12/1/2015	6/1/2015		527965		528027

200309	30569	50709	SPS	High Priority	\$10,576,672	SPS	Construct new 230 kV Road Runner substation, tapping the existing 115 kV line from Red Bluff to Agave Hills. Construct substation to accommodate future 345 kV line terminal from Potash Junction. Install new 230/115 kV 288 MVA transformer at new Road Runner substation. Install any necessary terminal equipment.	12/1/2015	6/1/2015		528027	Road Runner 345 kV	528025
200246	30573	50718	AEP	ITP	\$6,695,986	AEP	Rebuild 1.7-mile 69 kV line from Fort Humbug to Broadmoor with 1233.6 ACSR/TW conductor. Upgrade jumpers at Fort Humbug along with jumpers and bus at Broadmoor.	6/1/2019	6/1/2019		507716	BROADMOOR	507730
200246	30574	50719	AEP	ITP	\$2,819,806	AEP	Rebuild 1.3-mile 69 kV line from Daingerfield to Jenkins REC T with 959.6 ACSR/TW conductor.	6/1/2019	6/1/2019		508288	DAINGERFIELD	508293
200246	30575	50720	AEP	ITP	\$8,851,677	AEP	Rebuild 6.6-mile 69 kV line from Longview Heights to Hallsville with 1233.6 ACSR/TW conductor. Upgrade jumpers, CT ratios, and relay settings at Longview Heights.	6/1/2017	6/1/2014		508543	HALLSVILLE	508553
200246	30576	50721	AEP	ITP	\$15,248,925	AEP	Rebuild 11.2-mile 69 kV line from Hallsville to Marshall with 1233.6 ACSR/TW conductor. Upgrade jumpers, CT ratios, and relay settings at Marshall.	6/1/2017	6/1/2014		508556	MARSHALL 69KV	508543
200256	30577	50722	SPS	ITP	\$5,961,279	SPS	Rebuild 5-mile 69 kV line from Chaves to Price converting to 115 kV. Install any necessary terminal equipment at Chaves.	12/30/2017	6/1/2017		527482	Chaves County Interchange 115 kV	527543
200256	30577	50723	SPS	ITP	\$3,793,668	SPS	Rebuild 3-mile 69 kV line from CV Pines to Price converting to 115 kV.	12/30/2017	6/1/2017		527543	PRICE 3 115 kV	527542
200256	30577	50724	SPS	ITP	\$3,793,053	SPS	Rebuild 5-mile 69 kV line from Capitan to CV Pines converting to 115 kV.	12/30/2017	6/1/2017		527542	CV-PINES 3 115 kV	527541
200257	30578	50725	SPS	ITP	\$8,208,578	SPS	Build new 9.4-mile 115 kV line from Bailey Co. to Bailey Co. Pump. Install any necessary terminal equipment at Bailey Co.	9/1/2018	6/1/2016		525028	Bailey County Interchange 115 kV	525040
200242	30579	50726	WR	ITP	\$7,405,817	WR	Rebuild 9.06-mile 69 kV line from Wellington to Sumner County No. 4 Rome with single 1192 ACSR conductor to achieve 1200 Amp minimum ampacity.	6/1/2016	6/1/2014		533553	SUMNER COUNTY NO. 4 ROME 69 KV	533560
200242	30579	50727	WR	ITP	\$8,131,536	WR	Rebuild 9.43-mile 69 kV line from Creswell to Sumner County No. 4 Rome with single 1192 ACSR conductor to achieve 1200 Amp.	12/1/2015	6/1/2014		533543	CRESWELL 69 KV	533553
200257	30578	50729	SPS	ITP	\$8,038,605	SPS	Build new 11.7-mile 115 kV line from Bailey Co. Pump to Sundan Rural and convert high side voltage of the distribution transformers at Bailey Co. Pump and Sundan Rural from 69 kV to 115 kV.	9/1/2018	6/1/2016		525040	Bailey Pump 115 KV	525594
200242	30580	50730	WR	ITP	\$8,968,153	WR	Rebuild 5.64-mile 69 kV line from Crestview to Northeast.	12/15/2015	6/1/2014		533822	NORTHEAST 69 KV	533789
200257	30578	50731	SPS	ITP	\$5,367,770	SPS	Install new 115/69 kV 84 MVA transformer at New Amherst. Install any necessary 69 kV terminal equipment.	9/1/2018	6/1/2016		525600	Lamb County Sandhill 115 kV	525599
200257	30578	50732	SPS	ITP	\$5,074,202	SPS	Build new 8.6-mile 115 kV line from New Amherst to Sudan Rural.	9/1/2018	6/1/2016		525594	Sundan Rural 115 kV	525600
200242	30580	50733	WR	ITP	\$5,590,592	WR	Rebuild 1.74-mile 69 kV line from Kenmar to Northeast with single 1192 ACSR to achieve 1200 Amp minimum ampacity.	6/1/2016	6/1/2014		533822	NORTHEAST 69 KV	533811

200257	30578	50734	SPS	ITP	\$3,028,707	SPS	Install 115 kV terminal equipment at New Amherst to accommodate new 115/69 kV transformer.	9/1/2018	6/1/2016		525600	Lamb County Sandhill 115 kV	525608
200257	30578	50735	SPS	ITP	\$16,737,611	SPS	Build new 13.9-mile 115 kV line from Lamb Co. to New Amherst. Convert high side voltage of the West Littlefield distribution transformer from 69 kV to 115 kV.	9/1/2018	6/1/2016		525608	Amherst 115 kV	525615
200257	30578	50736	SPS	ITP	\$3,187,532	SPS	Build new 8.6-mile 115 kV line from West Littlefield to West Littlefield Tap. Install necessary terminal equipment at West Littlefield.	9/1/2018	6/1/2016		525615	West Littlefield 115 kV	525636
200247	30582	50738	OGE	ITP	\$740,254	OGE	Install a 9-Mvar capacitor bank at 69 kV at Wildhorse substation.	6/1/2017	6/1/2017	18 months	515127	WILDHORSE 69	
200242	30584	50739	WR	ITP	\$10,537,806	WR	Rebuild 9.7-mile 69 kV line from Elk Junction to Montgomery to achieve new emergency rating of 72 MVA.	6/1/2018	6/1/2018		533698	MONTGOMERY 69 KV	533690
200242	30584	50740	WR	ITP	\$32,548,502	WR	Rebuild 18.8-mile 69 kV line from Elk Junction to Sedan to achieve new emergency rating of 72 MVA.	6/1/2018	6/1/2018		533690	ELK JUNCTION 69 KV	533544
200295	30588	50745	OPPD	ITP	\$2,416,277	OPPD	Install new 161/69 kV transformer at Fremont to accommodate a new 161 kV interconnection.	6/1/2019	6/1/2019	60 months	646301	S1301 161kV	647801
200295	30588	50746	OPPD	ITP	\$3,606,519	OPPD	Build new 3-mile 69 kV line from Fremont to new substation S6801.	6/1/2019	6/1/2019	60 months	647422	Fremont Sub B	647801
200295	30588	50747	OPPD	ITP	\$29,069,150	OPPD	Build new 17-mile 161 kV line from S1226 to new substation S1301.	6/1/2019	6/1/2019	60 months	646226	Sub 1226	646301
200258	30590	50748	OPPD	ITP	\$1,360,327	OPPD	Rebuild 1.34-mile 69 kV line from S906 to S924 to achieve a new emergency rating of 143 MVA.	6/1/2019	6/1/2019	24 months	647906	Sub 906 South Bus	647924
200258	30590	50749	OPPD	ITP	\$69,679	OPPD	Install terminal upgrades at S924 to increase emergency rating of S924 - S912 69 kV Ckt 1 to 99 MVA.	6/1/2019	6/1/2019	24 months	647912	Sub 912	647924
200248	30589	50750	SEPC	ITP	\$2,791,167	SEPC	Install a second 12-Mvar capacitor bank at 115 kV bus at Ruleton substation.	5/31/2016	6/1/2016	18 months	531357	RULETON	
200256	856	50754	SPS	ITP	\$435,146	SPS	Convert distribution transformer high side at Hereford from 69 kV to 115 kV.	12/31/2016	6/1/2014		524606	Hereford Interchange 115 kV	
200294	30596	50757	NPPD	ITP	\$34,182,113	NPPD	Build a new 35-mile 115 kV line from Ord to Broken Bow Wind and install necessary terminal equipment.	6/1/2018	6/1/2014	48 months	640445	Broken Bow Wind	640308
200270	30597	50758	OGE	ITP	\$4,009,000	OGE	Build new Lane 138 kV substation adjacent to existing Knobhill substation. Install a new 138 kV terminal at Knobhill. Tie the Knobhill and Lane substations together with one span of 138 kV line. Build new 1.5-mile 138 line from Lane to Noel. Install fiber optics on 138 kV circuit connecting Knobhill to Lane to Noel.	6/1/2019	6/1/2019	24 months	514795	KNOBHILL 138	514794
200246	30598	50759	AEP	ITP	\$2,358,802	AEP	Build new 0.3-mile 69 kV line from Letourneau to a tap point along the existing Air Liquide Tap line with 664.8 ACSR/TW conductor. Make the existing line section from Letourneau Plant to Letourneau open normally.	6/1/2017	6/1/2017		508536	LETOURNEAU STEEL	508594
200294	30596	50760	NPPD	ITP	\$411,258	NPPD	Increase line clearance on 115 kV line from North Loup to Ord to 100 degree C. Upgrade disconnect switches, CTs, and jumpers at North Loup.	6/1/2018	6/1/2014	24 months	640284	North Loup	640308
200258	30561	50761	OPPD	ITP	\$422,270	OPPD	Install 161 kV terminal equipment at S1366 for new 161/69 kV transformer.	6/1/2016	6/1/2016	18 months	646366	SUB 1366 161kV	

200299	30581	50763	OGE	ITP	\$5,693,264	OGE	Convert existing 4.32-mile 69 kV line from Ahloso to Park Lane to 138 kV.	6/1/2017	6/1/2015	30 months	515178	PARK LANE 138 kV	515318
200299	30581	50764	OGE	ITP	\$6,929,179	OGE	Convert existing 10.12-mile 69 kV line from Ahloso to Harden City to 138 kV.	6/1/2015	6/1/2015	30 months	515318	Ahloso 138KV	515362
200299	30581	50765	OGE	ITP	\$2,121,320	OGE	Convert existing 3.39-mile 69 kV line from Harden City to Frisco to 138 kV.	6/1/2017	6/1/2015	30 months	515500	Frisco 138 kV	515362
200299	30581	50766	OGE	ITP	\$6,749,202	OGE	Convert existing 3.39-mile 69 kV line from Frisco to Lula to 138 kV.	6/1/2015	6/1/2015	30 months	515192	LULA 138	515500
200255	30361	50768	AEP	ITP	\$5,326,722	AEP	Install approximately 2 miles of 230 kV transmission line for a cut-in to existing 230 kV line from Sweetwater to Elk City, creating termination points at new Chisholm substation.	3/1/2018	3/1/2018		700345	Chisholm 345 kV	
	30599	50769	TBD	ITP	\$12,600,000	SPP	Install new 345/161 kV Transformer at South Fayetteville.		1/1/2033				
	30599	50770	TBD	ITP	\$21,295,800	SPP	Build new 345 kV line from Chamber Springs to South Fayetteville and associated terminal equipment.		1/1/2033				
	30600	50771	TBD	ITP	\$12,600,000	SPP	Install new 345/161 transformer at Maryville.		1/1/2033		541197	Maryville 345 kV	300097
	30601	50772	TBD	ITP	\$12,600,000	SPP	Increase rating of Nashua transformer to 650/715 MVA.		1/1/2033				
	30602	50773	TBD	ITP	\$130,141,000	SPP	Build new 110 mile 345 kV line from Keystone to Red Willow and associated terminal equipment.		1/1/2033		640252	Keystone	640325
	30603	50774	TBD	ITP	\$75,718,400	SPP	Build new 64 mile 345 kV line from Tolk to Tuco and associated terminal equipment.		1/1/2033		525549	Tolk Station 345 kV	525832
	30604	50775	TBD	ITP	\$12,600,000	SPP	Install 2nd 345/115 kV transformer at Holcomb.		1/1/2033		531449	HOLCOMB	531448
	30605	50776	TBD	ITP	\$117,126,900	SPP	Build new 99 mile 345 kV line from Neosho to Wolf Creek and associated terminal equipment.		1/1/2033		532797	WOLF CREEK 345 KV	532793
	30606	50777	TBD	ITP	\$15,701,325	SPP	Rebuild 29 mile 161 kV line from Clinton to Truman.		1/1/2033		300071	Clinton	505502
	30606	50778	TBD	ITP	\$1,082,850	SPP	Rebuild 2 miles of 161 kV line from North Warsaw to Truman.		1/1/2033		505502	Truman	541314
	30608	50779	TBD	ITP	\$12,600,000	SPP	Install new 345/115 kV transformer at Auburn.		1/1/2033				
	30608	50780	TBD	ITP	\$20,112,700	SPP	Convert 17 mile Auburn - Swissvale 230 kV line to a 345 kV line.		1/1/2033				
	30608	50781	TBD	ITP	\$35,493,000	SPP	Convert the 30 mile Auburn - Jeffrey EC 230 kV to 345 kV.		1/1/2033				
	30607	50782	TBD	ITP	\$34,605,675	SPP	Upgrade terminal equipment at Muskogee and Pecan Creek substations to increase Muskogee - Pecan Creek 345 kV Ckts 1 & 2 ratings to 1195/1195 MVA.		1/1/2033		515224	MUSKOGEE 345	515235
200258	30609	50783	OPPD	ITP	\$3,141,600	OPPD	Rebuild 3.3-mile 69 kV line from S907 to S919 to achieve a new emergency rating of 143 MVA.	6/1/2019	6/1/2019	36 months	647907	Sub 907	647919
200267	30610	50784	WR	Transmission Service	\$18,396,464	WR	Rebuild 16.31-mile 477 ACSR segment of 138 kV line from Butler to Weaver.	6/1/2018	6/1/2015	36 months	532991	WEAVER 138 KV	532987
200269	30612	50786	OGE	Transmission Service	\$1,131,409	OGE	Reconductor 1.25-mile 138 kV line from Hefner to Tulsa with 1590 AS52 conductor.		6/1/2019	26 months	514848	HEFNER 138	514847
200256	30616	50794	SPS	ITP	\$813,381	SPS	Install two 115 kV breakers at Curry County Interchange to convert the high side of the Curry County distribution transformer to 115 kV.	6/1/2018	6/1/2018		524822	Curry County Interchange 115 kV	
	30630	50795	TBD	High Priority	\$237,000	SPP	Install new 12-Mvar capacitor bank at Brady 69 kV.		6/1/2023	18 months	520830	BRADY	
	30631	50796	TBD	High Priority	\$13,083,537	SPP	Construct new 10-mile 345 kV line from Benteler to McDade.		6/1/2023	60 months	507794		507793

	30631	50797	TBD	High Priority	\$10,516,124	SPP	Install new 345/138 kV 675 MVA transformer at McDade substation. Install any necessary 138 kV terminal equipment.		6/1/2023	60 months	507793		507741
	30631	50798	TBD	High Priority	\$19,718,950	SPP	Install new 500/345 kV 1500 MVA transformer at Messick.		6/1/2023	60 months	999113	Messick 500 kV	999115
	30631	50799	TBD	High Priority	\$45,792,379	SPP	Construct new 35-mile 345 kV line from McDade to Messick.		6/1/2023	60 months	507793		999115
	30631	50800	TBD	High Priority	\$10,516,124	SPP	Install new 345/138 kV 314 MVA transformer at Benteler substation. Install any necessary 138 kV terminal equipment.		6/1/2023	60 months	507794		507792
	30618	50801	TBD	High Priority			Replace wave traps at Northeast Station and Nowata 138 kV to achieve a new line rating of 202/235 MVA.		6/1/2018	12 months	510396	NORTHEAST STATION 138KV	510384
200310	30619	50802	AEP	High Priority	\$11,652,107	AEP	Construct AEP's portion of new 25-mile 138 kV line from Darlington to Roman Nose (OGE).	12/31/2016	6/1/2015	36 months	511559		514823
	30620	50803	TBD	High Priority			Upgrade CTs at Wilkes 138 kV to achieve a new rating of 423/423 MVA on the Lone Star South to Wilkes 138 kV line.		6/1/2023	12 months	508297	LONE STAR SOUTH 138KV	508840
200311	30622	50805	OGE	High Priority	\$12,767,120	OGE	Construct new 138 kV SW Station switching station. Construct new 13-mile 138 kV line from new SW Station switching station to Warwick Tap.	6/1/2016	6/1/2018	36 months	515012	SPRING VALLEY TAP 69	515047
200311	30622	50806	OGE	High Priority	\$9,899,440	OGE	Construct new 18-mile 138 kV line from Linwood to new SW Station switching station.		6/1/2018	36 months	515401	Pump Station 32	515012
200311	30622	50807	OGE	High Priority	\$8,218,020	OGE	Construct new 5-mile 138 kV line from Knipe to new SW Station switching station.	6/1/2018	6/1/2018	36 months	515514	Knipe 138 kV	515012
	30653	50808	TBD	High Priority	\$407,419	SPP	Reconductor WFEC's portion of the 2.1-mile 69 kV line from Alva OGE to Alva WFEC to achieve a new line rating of 134/143 MVA.		6/1/2018	24 months	514792	ALVA 69	520806
200279	30624	50809	OGE	High Priority	\$150,000	OGE	Upgrade CTs at Alva OGE substation to achieve a minimum 800 amp rating.	6/1/2015	6/1/2015	12 months	514792	ALVA 69	
	30627	50812	TBD	High Priority	\$185,004	SPP	Install new 9-Mvar capacitor bank at Sandridge 138 kV.		6/1/2023	18 months	520409	Sandridge Tap 138kV	
200284	30628	50813	WFEC	High Priority	\$237,000	WFEC	Install new 9.6-Mvar capacitor bank at Freedom 69 kV.	6/1/2015	6/1/2015	18 months	520915	FREEDOM	
	30634	50816	TBD	High Priority	\$504,000	SPP	Install new 24-Mvar capacitor bank at El Reno 138 kV.		6/1/2018	18 months	520893	EL RENO SW	
200284	30635	50817	WFEC	High Priority	\$190,000	WFEC	Install new 12-Mvar capacitor bank at Eagle Chief 69 kV.	6/1/2015	6/1/2015	18 months	520890	EAGLE CHIEF	
	30636	50818	TBD	High Priority	\$237,000	SPP	Install new 24-Mvar capacitor bank at Winchester Tap 69 kV.		6/1/2018	24 months	520408		
200309	30638	50819	SPS	High Priority	\$19,255,234	SPS	Construct new 18.2-mile 345 kV line from North Loving to China Draw.	6/1/2018	6/1/2018	48 months	528185		528223
200309	30638	50820	SPS	High Priority	\$25,716,516	SPS	Construct new 20.4-mile 345 kV line from new Kiowa substation to North Loving.	6/1/2018	6/1/2018	48 months	528185		527965
200282	30824	50821	SPS	High Priority	\$3,508,346	SPS	Upgrade 230/115 kV transformer at Potash Junction to 250 MVA.	6/1/2015	6/1/2015	24 months	527963	Potash Junction Interchange 230 kV	527962
200308	30640	50822	MKEC	High Priority	\$134,366	MKEC	Replace switches at Dobson to achieve a rating of 189 MVA on the 115 kV line from Kansas Avenue to Dobson to Gano.	6/1/2015	6/1/2015		531419	DOBSON	531480
200275	30644	50827	MKEC	High Priority	\$20,992,491	MKEC	Construct new 21-mile 138 kV line from Anthony to Harper.	12/31/2017	6/1/2018		539001		539668

200276	30645	50828	MKEC	High Priority	\$13,666,262	MKEC	Construct new 15-mile 138 kV line from Harper to new Rago substation.	12/31/2017	6/1/2015		539668	Harper 138 KV	539017
	30646	50829	TBD	High Priority	\$2,567,594	SPP	Install new 12-Mvar capacitor bank at Sun South 115 kV.		6/1/2018	24 months	539007		
	30647	50830	TBD	High Priority	\$240,204		Upgrade terminal equipment at Cowskin to achieve a rating of 80 MVA on the 4.6-mile 69 kV line from Cowskin to Goddtap.		6/1/2019	12 months	533788	COWSKIN 69 KV	533879
	30648	50831	TBD	High Priority	\$1,976,980	SPP	Install 9.6 Mvar capacitor bank at Rock Creek 69 kV.		6/1/2018	18 months	533458	ROCK CREEK 69 KV	
	30736	50832	TBD	High Priority	\$8,475,407	SPP	Rebuild Westar's portion of the 11.7-mile 138 kV line from Clearwater to Milan Tap to achieve a rating of 478 MVA.		6/1/2018	24 months	533036	CLEARWATER 138KV	539675
	30650	50833	TBD	High Priority	\$1,249,680	SPP	Install 9.6 Mvar capacitor bank at Caney 69 kV.		6/1/2018	18 months	533678	CANEY 69 KV	
	30636	50834	TBD	High Priority	\$237,000	SPP	Install new 12-Mvar capacitor bank at Winchester 69 kV.	6/26/2015	6/1/2018	18 months	520408		
200287	30661	50835	WFEC	High Priority	\$2,068,000	WFEC	Install any necessary 138 kV terminal equipment at Carmen associated with new 138/69 kV transformer.		6/1/2016	24 months	525845		
	30636	50836	TBD	High Priority	\$0		Convert Bufbear substation to 138 kV.		6/1/2018	24 months	521120	BUFFALO BEAR 2	
	30654	50837	TBD	High Priority	\$500,000	SPP	Expand existing 18-Mvar capacitor bank to 27-Mvar capacitor bank at Emmet Tap 115 kV.		6/1/2018	18 months	640465		
	30655	50838	TBD	High Priority	\$500,000	SPP	Install second 18-Mvar capacitor bank at Broken Bow 115 kV.		6/1/2015	18 months	640089	Broken Bow	
200243	30656	50839	OGE	Generation Interconnection	\$3,033,890		Construct new 138 kV three (3) breaker ring bus substation to accept GEN-2012-040 as per SA 2647 dated 12/17/2013.	3/31/2015	3/31/2015				
	30657	50840	TBD	High Priority	\$2,557,852	SPP	Rebuild 2.8-mile 138 kV line from Bartlesville Commanche to Mound Road with 1533.6 ACSR/TW conductor. Upgrade CT ratios and relay settings.		6/1/2015	24 months	510390	BARTLESVILLE COMANCHE 138KV	510395
	30623	50841	TBD	High Priority	\$8,175,993		Remove existing 9-mile 69 kV line from Clyde to Grant County and replace with new 138 kV line.		6/1/2023	36 months	514719	CLYDE 69	515546
	30623	50842	TBD	High Priority	\$5,625,708		Reconductor 10.1-mile 138 kV line from Clyde to Four Corners.		6/1/2023	36 months	514719	CLYDE 69	514736
	30623	50845	TBD	High Priority	\$19,480,437	OGE	Reconductor 8.1-mile 138 kV line from Four Corners to Kremlin.		6/1/2023	24 months	514736	FOUR CORNERS 69	515501
	30623	50846	TBD	High Priority	\$0		Remove existing 8-mile 69 kV line from Kremlin to NE Enid and replace with new 138 kV line.		6/1/2023	36 months	515501		514769
	30632	50847	TBD	High Priority	\$6,303,279	WFEC	Rebuild existing 6.9-mile 69 kV line 138 kV line from Byron to Medlodge with 138 kV conductor.	6/29/2018	6/1/2021	24 months	520203		522396
	30632	50848	TBD	High Priority	\$11,510,336	WFEC	Rebuild existing 12.6-mile 69 kV line from Hazelton to Medlodge with 138 kV conductor.	6/29/2018	6/1/2021	24 months	520937	HAZELTON	522396
200309	30638	50849	SPS	High Priority	\$4,649,045	SPS	Install new 345/115 kV 448 MVA transformer at new China Draw substation. Install any necessary 115 kV terminal equipment and ring/breaker and a half 115 kV bus for 4 line or transformer terminals.	6/1/2018	6/1/2018	48 months	528223		528222
200309	30638	50850	SPS	High Priority	\$4,172,734	SPS	Construct 345 kV ring bus, expandable to breaker and a half for 6 line or transformer terminals at China Draw.	6/1/2018	6/1/2018	48 months	528223		
200309	30637	50851	SPS	High Priority	\$11,249,526	SPS	Construct new Kiowa 345 kV substation adjacent to Potash Junction. 345 kV bus will be ring, expandable to minimum 6 line or transformer terminals. Install terminal equipment as needed.	6/1/2018	6/1/2018	48 months	527965		

200309	30638	50852	SPS	High Priority	\$5,950,217	SPS	Install new 345/115 kV 448 MVA transformer at new North Loving substation. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	48 months	528185		528186
	30651	50853	TBD	High Priority	\$13,083,537	SPP	Contract WFEC's portion of new 10-mile 345 kV line from Mooreland to Woodward District EHV.		6/1/2018	60 months	522400		515375
200309	30638	50854	SPS	High Priority	\$7,873,653	SPS	Install 345 kV line terminals at North Loving substation for Kiowa and China Draw. Install any necessary 345 kV terminal equipment necessary to install 345/115 kV 448 MVA transformer at North Loving.	6/1/2018	6/1/2018	48 months	528185		
200287	30661	50855	WFEC	High Priority	\$2,475,000	SPP	Install new 138/69 kV 70 MVA transformer at Carmen substation. Install any necessary 69 kV terminal equipment.		6/1/2016	24 months	525845		520845
200287	30661	50856	WFEC	High Priority	\$2,680,000	SPP	Install new 138/69 kV 70 MVA transformer at new Cherokee Junction Tap substation. Install any necessary 69 kV terminal equipment.		6/1/2016	24 months	521302		520850
200287	30661	50857	WFEC	High Priority	\$6,300,000	WFEC	Tear down the existing 69 kV line from Cherokee Junction to Carmen. Construct new 11.5-mile 138 kV line Cherokee Junction Tap to Carmen.		6/1/2016	24 months	521302		525845
	30636	50858	TBD	High Priority	\$2,810,198	SPP	Install new 138/69 kV 70 MVA transformer at Buffalo substation. Install any necessary 69 kV terminal equipment.		6/1/2018	24 months	521300		520835
	30636	50859	TBD	High Priority	\$13,246,021	SPP	Rebuild the 14.5-mile 69 kV line from Bufbear to Ft. Supply with 138 kV conductor.		6/1/2018	24 months	520920	FT SUPPLY	521120
	30636	50860	TBD	High Priority	\$2,968,936	SPP	Rebuild the 3.3-mile 69 kV line from Bufbear to Buffalo with 138 kV conductor.	9/25/2015	6/1/2018	24 months	521120	BUFFALO BEAR 2	521300
	30662	50861	TBD	High Priority	\$2,810,198	SPP	Install new 138/69 kV 68/89 MVA transformer at Elk City substation. Install any necessary 69 kV terminal equipment.		6/1/2017	24 months	511458	ELK CITY 138	511459
200309	30639	50862	SPS	High Priority	\$3,989,689	SPS	Install new 345/115 kV 448 MVA transformer at new Road Runner substation. Install any necessary 115 kV terminal equipment.	6/1/2016	6/1/2018	48 months	528027	Road Runner 345 kV	528025
200309	30639	50863	SPS	High Priority	\$11,569,711	SPS	Convert 230 kV Road Runner substation to 345 kV. Install any necessary 345 kV terminal equipment.	6/1/2016	6/1/2018	48 months	528027	Road Runner 345 kV	
	30666	50864	TBD	ITP	\$12,991,922	SPP	Install new -50/+200 Mvar Static VAR Capacitor (SVC) at China Draw 115 kV bus.		4/1/2015	30 months	528220		
	30670	50865	TBD	High Priority			Install new -50/+200 Mvar Static VAR Capacitor (SVC) at Toboso Flats 115 kV bus.		6/1/2018	24 months	528566		
	30664	50866	TBD	High Priority	\$6,928,199	SPP	Construct new 3.4-mile 115 kV line from North Loving to South Loving.		6/1/2015	36 months	528191		528192
	30653	50867	TBD	High Priority	\$1,141,488	SPP	Reconductor OGE's portion of the 2.1-mile 69 kV line from Alva OGE to Alva WFEC to achieve a new line rating of 134/143 MVA.		6/1/2018	24 months	514792	ALVA 69	520806
200309	30639	50868	SPS	High Priority	\$5,443,140	SPS	Install 345/115 kV 448 MVA transformer at Kiowa substation.	6/1/2018	6/1/2018	48 months	527965		
200282	30675	50869	SPS	High Priority	\$14,583,586	SPS	Construct new 18.4-mile 115 kV line from China Draw to new Yeso Hills substation.	6/1/2018	6/1/2018	36 months	528222	China Draw 115 kV	528246
200309	30717	50870	SPS	High Priority	\$9,980,879	SPS	Construct new 9.5-mile 115 kV line from Hopi Sub to North Loving 115 kV.	6/1/2015	6/1/2015	36 months	528226		528191

200309	30639	50871	SPS	High Priority	\$2,176,451	SPS	Construct 1-mile of double circuit structures from the new Kiowa substation to Potash Junction. Construct Circuit 1 with 345 kV conductor and Circuit 2 with 115 kV conductor.	6/1/2018	6/1/2018	48 months	527965		528027
200282	30672	50872	SPS	High Priority	\$822,700	SPS	Construct new 115 kV Toboso Flats substation. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	36 months	528566		
200282	30756	50873	SPS	High Priority	\$13,816,310	SPS	Construct new 18.9-mile 115 kV line from Road Runner to Battle Axe.	12/4/2015	6/1/2018	36 months	528040		528025
200282	30672	50874	SPS	High Priority	\$5,062,341	SPS	Construct new 7.4-mile 115 kV line from new Toboso Flats substation to Dollarhide.	6/1/2018	6/1/2018	36 months	528561	Dollarhide Sub 115 kV	528566
200309	30637	50875	SPS	High Priority	\$59,808,956	SPS	Construct new 47.2-mile 345 kV line from Kiowa to Hobbs.	6/1/2018	6/1/2018	48 months	527965		527896
	30669	50876	TBD	High Priority	\$9,415,457	SPP	Reconductor 20.5-mile 115 kV line from Tuco to Hale County with 477 ACSS conductor.		6/1/2018	24 months	525454	Hale Co Interchange 115 kV	525828
200282	30694	50877	SPS	High Priority	\$996,485	SPS	Construct new 115 kV Ponderosa substation. Install any necessary 115 kV terminal equipment.	6/1/2017	6/1/2018	36 months	528240		
	30671	50878	TBD	High Priority	\$697,688	SPP	Install two (2) 14.4 Mvar capacitor banks at Kiser 115 kV bus.		6/1/2018	18 months	525272	Kiser Sub 69 kV	
200282	30694	50879	SPS	High Priority	\$4,174,446	SPS	Tap the existing 115 kV line from Ochoa to Whitten to construct new 115 kV Ponderosa Tap substation. Install any necessary 115 kV terminal equipment.	6/1/2017	6/1/2018	36 months	528239		
200282	30649	50881	SPS	High Priority	\$10,671,660	SPS	Install new 230/115 kV 288 MVA transformer at Andrews substation. Install any necessary terminal equipment.	4/4/2016	6/1/2015	24 months	528604		528601
200282	30649	50882	SPS	High Priority	\$3,523,472	SPS	Construct new 2.1-mile 115 kV line from Andrews to National Enrichment Facility (NEF).	4/4/2016	6/1/2015	36 months	528602		528603
200309	30717	50883	SPS	High Priority	\$13,283,227	SPS	Construct new 19.7-mile 115 kV line from North Loving to China Draw.	6/1/2015	6/1/2015	36 months	528182	North Loving 115 kV	528222
	30677	50887	TBD	High Priority	\$6,966,383	SPP	Rebuild 3.5-mile 69 kV line from Coleman to Ripley to achieve a rating of 131/143 MVA.		6/1/2018	24 months	533787	COLEMAN 69 KV	533832
200287	30661	50888	WFEC	High Priority	\$3,945,000	SPP	Tap the existing 138 kV line from Noel Switch to Cherokee City to construct the new Cherokee Junction Tap substation. Install any necessary 138 kV terminal equipment.		6/1/2016	24 months	521302		
200277	30678	50889	NPPD	High Priority	\$9,306,000	NPPD	Install new 345/115 kV 400 MVA transformer at Thedford substation. Install any necessary 115 kV terminal equipment.	1/1/2018	6/1/2016	48 months	640500	Cherry County 345 kV	640381
	30680	50891	TBD	High Priority	\$58,875,915	SPP	Construct new 45-mile 345 kV line from Center to Dolet Hills.		6/1/2023	60 months	509048		500250
	30680	50892	TBD	High Priority	\$10,516,124	SPP	Install new 345/138 kV 314 MVA transformer at Center substation. Install any necessary 138 kV terminal equipment.		6/1/2023	60 months	509048		509058
	30681	50893	TBD	High Priority	\$654,177	SPP	Cut in to 345 kV line from Border to Woodward District EHV and construct new 0.5-mile line to terminating at Chisholm 345 kV substation, creating a Border - Chisholm EHV 345 kV line. Install any necessary 345 kV terminal equipment at Chisholm.		6/1/2021	36 months	515458	Border	511553

	30681	50894	TBD	High Priority	\$654,177	SPP	Cut in to 345 kV line from Border to Woodward District EHV and construct new 0.5-mile line to terminating at Chisholm 345kV substation, creating a Chisholm - Woodward District EHV 345 kV line. Install any necessary 345 kV terminal equipment at Chisholm.		6/1/2021	36 months	511553	Elk City 345 kV	515375
	30663	50897	TBD	High Priority	\$6,163,422		Construct new 345 kV terminal at the Battle Axe substation. Install any necessary 345 kV terminal equipment for 4 transformer/line terminations in ring configuration expandable to future breaker and a half.		6/1/2019	48 months	528041		
	30663	50898	TBD	High Priority	\$1,118,826		Install 345 kV terminal at China Draw to terminate the new 345 kV line from Battle Axe. Install any necessary 345 kV terminal equipment.		6/1/2019	48 months	528223		
	30663	50899	TBD	High Priority	\$19,437,381	SPS	Construct new 15-mile 345 kV line from Battle Axe to Road Runner. Install 345 kV bus at Road Runner for 4 transformer or line terminations, expandable for future terminations.		6/1/2019	48 months	528041		528027
	30663	50900	TBD	High Priority	\$4,277,468	SPP	Install new 345/115 kV 448 MVA transformer at new Battle Axe substaton. Install any necessary 115 kV terminal equipment as expandable breaker and half design.		6/1/2019	48 months	528041		528040
	30719	50901	TBD	High Priority	\$10,516,124	SPP	Install new 345/115 kV 448 MVA transformer at Andrews substaton and remove two 230/115 kV transformers. Install any necessary 115 kV terminal equipment.		6/1/2022	48 months	528604		528602
	30757	50902	TBD	High Priority	\$10,516,124	SPP	Remove 345/230 kV transformer at Potash Junction. Replace with new 345/115 kV 448 MVA transformer. Expand 115 kV bus at Potash Junction as needed.		6/1/2019	24 months	527965		527962
	30719	50903	TBD	High Priority	\$30,530,000	SPP	Convert existing 30.5-mile 230 kV line from Andrews to Hobbs to 345 kV. Re-terminate line on 345 kV bus at Hobbs. Ratings will be based on current conductors - bundled 795 ACSR.		6/1/2022	48 months	528604		527896
	30757	50907	TBD	High Priority	\$10,516,124	SPP	Install 2nd 345/115 kV 448 MVA transformer at Potash Junction. Expand 115 kV bus as needed for termination.		6/1/2019	24 months	527965		527962
	30686	50913	TBD	High Priority			Increase capacity of Russet CT from 600 amps to 800 amps to increase the emergency rating on 138 kV line from Glasses to Russet to 152.7 MVA.		6/1/2023	12 months	515147	GLASSES 138	515120
	30687	50914	TBD	High Priority	\$740,254	SPP	Install 9-Mvar capacitor bank at Cleo 69 kV.		6/1/2023	18 months	514791	CLEO 69	
	30688	50915	TBD	ITP	\$84,327	SPP	Upgrade Park Lane 138 kV CTs and wave trap from 1200 A to 1600 A to achieve a new emergency rating of 382.4 MVA on the 138 kV line from Park Lane to Seminole.		6/1/2022	18 months	515044	SEMINOLE 138	515178
	30688	50916	TBD	High Priority			Replace wave trap on 138 kV line from Seminole to Vanoss to increase the line rating to 310/354 MVA.		6/1/2023	12 months	515044	SEMINOLE 138	515174
	30690	50918	TBD	ITP	\$3,411,800	SPP	Add 2nd 230/115 kV 250 kV transformer at Plant X.		6/1/2022	24 months	525481	Plant X Station 230 kV	525480
	30692	50920	TBD	High Priority	\$6,020,434	SPP	Increase 1st 230/115 kV transformer at Seminole to 250 MVA.		6/1/2023	24 months	527276	Seminole Interchange 230 kV	527275
	30692	50921	TBD	High Priority	\$6,020,434	SPP	Increase 2nd 230/115 kV transformer at Seminole to 250 MVA.		6/1/2023	24 months	527276	Seminole Interchange 230 kV	527275

	30693	50922	TBD	High Priority	\$6,020,434	SPP	Increase 230/115 kV transformer Wolfforth to 250 MVA.		6/1/2023	24 months	526525	Wolfforth Interchange 230 kV	526524
200282	30694	50923	SPS	High Priority	\$5,404,344	SPS	Construct new 9.3-mile 115 kV line from new Ponderosa substation to new Ponderosa Tap substation.	6/1/2017	6/1/2018	36 months	528239		528240
200309	30695	50924	SPS	High Priority	\$4,950,983	SPS	Convert Livingston Ridge from 69 kV to 115 kV. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	36 months	527953		
200309	30695	50925	SPS	High Priority	\$3,822,672	SPS	Construct new 115 kV Sage Brush substation with 3 ring bus configuration. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018		527955		
200309	30695	50926	SPS	High Priority	\$8,811,206	SPS	Construct new 13.9-mile 115 kV line from Livingston Ridge to new Sage Brush substation.	6/1/2018	6/1/2018	36 months	527953		527955
200309	30695	50927	SPS	High Priority	\$1,200,057	SPS	Construct new 115 kV Lagarto substation. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	36 months	527957		
200309	30695	50928	SPS	High Priority	\$6,186,323	SPS	Construct new 10.4-mile 115 kV line from new Lagarto substation to new Sage Brush substation.	6/1/2018	6/1/2018	36 months	527957		527955
	30689	50929	TBD	High Priority			Replace line trap to increase the rating on the 230 kV line from Lubbock South to Wolfforth to 478/502 MVA.		6/1/2023	12 months	526269	Lubbock South Interchange 230 kV	526525
	30705	50930	TBD	High Priority	\$11,067,349	SPP	Construct new 15-mile 115 kV line from Battle Axe to Wood Draw.		6/1/2023	36 months	528040		528228
200282	30825	50931	SPS	High Priority	\$13,704,501	SPS	Construct new 14-mile 115 kV line from China Draw to Wood Draw.	6/1/2018	6/1/2018		528222	China Draw 115 kV	528228
	30758	50935	TBD	High Priority	\$1,148,787	SPP	Reconductor 2.3-mile 115 kV line from Carlisle to Doud Tap to achieve a new rating of 276/304.		6/1/2023	24 months	526160	Carlisle Interchange 115 kV	526162
	30758	50936	TBD	High Priority	\$781,175	SPP	Reconductor 1.7-mile 115 kV line from Doud to Doud Tap to achieve a new rating of 276/304.		6/1/2023	24 months	526162		526176
	30758	50937	TBD	High Priority	\$643,321	SPP	Reconductor 1.4-mile 115 kV line from Doud Tap to Wolf Tap to achieve a new rating of 276/304.		6/1/2023	24 months	526162		526481
	30758	50938	TBD	High Priority	\$367,612	SPP	Reconductor 0.8-mile 115 kV line from Wolf Tap to Yuma to achieve a new rating of 276/304.		6/1/2023	24 months	526481		526475
	30696	50939	TBD	High Priority	\$1,796,703	SPP	Reconductor 3.9-mile 115 kV line from Bowers to Grapevine with 477 ACSS conductor.		6/1/2019	24 months	523748	Bowers Interchange 115 kV	523770
	30697	50940	TBD	High Priority	\$997,147	SPP	Reconductor second 2.2-mile 115 kV line from Deaf Smith to Hereford with 477 ACSS conductor to achieve a new rating of 276/304 MVA.		6/1/2023	24 months	524606	Hereford Interchange 115 kV	524622
	30698	50941	TBD	High Priority	\$326,255	SPP	Reconductor 0.7-mile 115 kV line from Puckett to Soncy Tap with 477 ACSS conductor to achieve a new rating of 276/304 MVA.		6/1/2023	24 months	524256	Puckett Sub 115 kV	524252
	30698	50942	TBD	High Priority	\$1,056,884	SPP	Reconductor 2.3-mile 115 kV line from Coulter to Puckett with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2023	24 months	524306	Coulter Interchange 115 kV	524256
	30699	50943	TBD	High Priority	\$3,832,353	SPP	Reconductor 8.3-mile 115 kV line from Northwest to Rolling Hills with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2023	24 months	524007		524106
	30665	50944	TBD	High Priority	\$22,580,725	SPP	Reconductor 24.6-mile 230 kV line from Sundown to Wolfforth to achieve a rating of 598/598 MVA.		6/1/2023	24 months	526435	Sundown Interchange 230 kV	526525
	30665	50945	TBD	High Priority	\$6,020,434	SPP	Install 2nd 230/115 kV 250 MVA transformer at Sundown.		6/1/2023	24 months	526435	Sundown Interchange 230 kV	526434
	30700	50946	TBD	High Priority			Increase Murphy to Frankfrd 115 kV line rating to 159/160 MVA.		6/1/2023	12 months	526192	Murphy Sub 115 kV	526199

	30701	50947	TBD	High Priority	\$697,688	SPP	Install two (2) 14.4-Mvar capacitor banks at Castro 115 kV.		6/1/2023	18 months	524746	Castro County Interchange 115 kV	
	30702	50948	TBD	High Priority	\$697,688	SPP	Install two (2) 7.5 Mvar capacitor banks at Graham 69 kV.		6/1/2023	18 months	526693	Graham Interchange 69 kV	
	30703	50949	TBD	High Priority	\$697,688	SPP	Install 7.5 Mvar capacitor bank at Newtext 69 kV.		6/1/2023	18 months	528718	Lea County REC-Newtex 69 kV	
	30704	50950	TBD	High Priority	\$25,823,814	SPP	Construct new 35-mile 115 kV line from Wheeler to McLean to achieve a rating of 180/199 MVA.		6/1/2023	36 months	523811	McLean Rural Sub 115 kV	523776
200309	30695	50951	SPS	High Priority	\$6,115,613	SPS	Construct new 115 kV Cardinal substation. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	36 months	528596	National Enrichment Plant Tap 115 kV	
	30914	50952	TBD	ITP	\$6,469,386	SPP	Reconductor 9.5-mile 115 kV line from Livingston Ridge to IMC #1 Tap.		6/1/2015	30 months	528035	I. M. C. #1 Sub Tap 115 kV (International Mineral Co)	527953
	30707	50953	TBD	High Priority	\$1,700,205	SPP	Reconductor 3.7-mile 115 kV line from Dollarhide to South Jal Sub with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2023	24 months	528561	Dollarhide Sub 115 kV	528547
	30708	50954	TBD	High Priority	\$4,161,825	SPP	Reconductor 9.1-mile 115 kV line from Ochoa to Ponderosa Tap with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2023	24 months	528232	Ochoa Sub 115 kV	528239
	30914	50955	TBD	ITP	\$4,044,971	SPP	Reconductor 5.9-mile 115 kV line from Ponderosa Tap to Whitten with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	528239		528540
	30709	50956	TBD	High Priority	\$2,747,898	SPP	Reconductor Line - 5.98 miles. 115 kV - Lubbock South - Woodrow for 477 ACSS rated 276/304 MVA		6/1/2023	24 months	526268	Lubbock South Interchange 115 kV	526602
	30914	50957	TBD	ITP	\$1,258,393	SPP	Reconductor 1.5-mile 115 kV line from Intrepid West Tap to Potash Junction with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	527999		527962
	30914	50958	TBD	ITP	\$2,655,853	SPP	Reconductor 3.9-mile 115 kV line from Intrepid West Tap to IMC #2 with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	527999		528035
	30712	50961	TBD	High Priority			Move loads from Bowers 2 - 69 kV to Bowers 3 - 115 kV		6/1/2023	24 months	523747	Bowers Interchange 69 kV	523748
	30715	50965	TBD	High Priority	\$22,599,580	SPP	Rebuild 28.8-mile 115 kV from HEC to Huntsville and upgrade CTs to achieve new rating of 80/88 MVA.		6/1/2023	24 months	533419	HUTCHINSON ENERGY CENTER 115 KV	530618
200309	30695	50967	SPS	High Priority	\$9,244,612	SPS	Construct new 17.5-mile 115 kV line from Lagarto to Cardinal.	6/1/2018	6/1/2018	36 months	528596	National Enrichment Plant Tap 115 kV	527957
200282	30756	50968	SPS	High Priority	\$2,964,499	SPS	Construct new 115 kV Battle Axe substation. Install any necessary 115 kV terminal equipment.	12/4/2015	6/1/2018	36 months	528040		
	30720	50969	TBD	High Priority			Upgrade Oasis to SW_4K33 230 kV line trap: Increase Oasis to SW_4K33 230 kV line rating to 478/478 MVA.		6/1/2023	12 months	524875	Oasis Interchange 230 kV	524915
	30721	50970	TBD	High Priority			Move Curry Load 69 kV to 115 kV : Move loads from Curry 69 kV to 115 kV		6/1/2023	24 months	524821	Curry County Interchange 69 kV	524822
	30722	50971	TBD	High Priority	\$740,254	SPP	Install 9-Mvar capacitor bank at Saline 69 kV.		6/1/2023	18 months	514716	SALINE 69	
	30652	50972	TBD	High Priority	\$4,500,000		Reconductor 69 kV line from Atchison Junction 1 to Maur Hill to achieve a rating of 41 MVA. Rebuild 1.7-mile 69 kV line from Kerford to Maur Hill to achieve a rating of 131/157 MVA.		6/1/2020		533472	ATCHISON JCT1 69 KV	533475

	30723	50977	TBD	High Priority	\$7,740,000		Remove 69 kV line from Midwest Grain Solvents Junction 1 (STR 45 2) to Midwest Grain Solvents Junction 2 (Arnold Junction 2) to Arnold to Atchison Junction1 to Atchison Castings. Remove 69 kV line from Atchison Junction 2 to Maur Hill. Install zero impedance line between Arnold and Arnold Junction 2. Construct new 69 kV line from Atchison Junction 1 to Midwest Grain Solvents Junction 1 (STR 45 2). Construct new 69 kV line from Arnold Junction 2 to Atchison Junction 1 with a rating of 131/143 MVA. Reconductor 69 kV line from Atchison Junction 2 to Midwest Grain with a rating of 131/157 MVA. Construct new 138 kV line from Arnold Junction 2 to Atchison Junction 1 with a rating of 131/143 MVA. Construct new 138 kV line from Atchison Junction 2 to Midwest Grain Solvents Junction 1 (STR 45 2) with a rating of 108 MVA. Construct new 138 kV line from Atchison Castings to Midwest Grain Solvents Junction 1 (STR 45 2) with a rating of 42 MVA. Construct new 138 kV line from Arnold Junction 2 to Midwest Grain with a rating of 131/157 MVA.		6/1/2020		533472	ATCHISON JCT1 69 KV	533478
	30727	50985	TBD	High Priority			Tap 115 kV line from Crosby to Lubbock East - 69 kV bus via - New Line - 2.45 mile, 69kV - Connect SP-ACUFF to SP-IDALOU		6/1/2023	24 months	525906	South Plains REC-Acuff 69 kV	526116
	30728	50986	TBD	High Priority			Move Vicksburg Load 69 kV to 115 kV: Move load from Vickers 69 kV to 115 kV		6/1/2023	24 months	526123	Vickers Sub 69 kV	526124
	30691	50987	TBD	High Priority	\$14,756,465	SPP	Construct new 20-mile 115 kV line from new Sage Brush substation to Road Runner.		6/1/2023	36 months	527955		528025
200282	30675	50988	SPS	High Priority	\$1,046,485	SPS	Construct new 115 kV Yeso Hills substation. Install any necessary 115 kV terminal equipment.	6/1/2018	6/1/2018	36 months	528246		
200275	30732	50991	MKEC	High Priority	\$8,335,592	MKEC	Construct new 7-mile 138 kV line from Anthony to Bluff City.	12/31/2018	6/1/2015		539001		539004
200275	30732	50993	MKEC	High Priority	\$19,286,271	MKEC	Construct new 22-mile 138 kV line from Bluff City to Caldwell.	12/31/2018	6/1/2015		539004		539005
200275	30732	50994	MKEC	High Priority	\$14,413,382	MKEC	Construct new 16-mile 138 kV line from Caldwell to Mayfield.	12/31/2018	6/1/2015		539005		539006
200275	30732	50995	MKEC	High Priority	\$15,155,080	MKEC	Construct new 8-mile 138 kV line from Mayfield to Milan.	12/31/2018	6/1/2015		539006		539676
	30736	51000	TBD	High Priority	\$10,688,169	SPP	Rebuild Sunflower's portion of the 11.7-mile 138 kV line from Clearwater to Milan Tap to achieve a rating of 478 MVA.		6/1/2018	24 months	533036	CLEARWATER 138KV	539675
	30737	51001	TBD	High Priority	\$500,000	SPP	Install new 18-Mvar capacitor bank at Minneola 115 kV.		6/1/2023	18 months	539037		
200277	30678	51002	NPPD	High Priority	\$930,800	NPPD	Install any necessary 345 kV terminal equipment at Thedford associated with new 345/115 kV transformer.	1/1/2018	6/1/2016	48 months	640500	Cherry County 345 kV	
	30662	51004	TBD	High Priority			Install any necessary 138 kV terminal equipment at Elk City associated with new 138/69 kV transformer.		6/1/2017	24 months	511458	ELK CITY 138	

200272	30747	51014	AEP	High Priority	\$12,132,497	AEP	Construct new Round Creek box bay tap structure adjacent to the Rush Springs 138 kV substation. Construct new 6-mile 138 kV line from Grady to Round Creek. Install 3-breaker ring bus where hard tap to Round Creek intersects the Cornville to Duncan 138 kV transmission line.	6/1/2015	6/1/2015	36 months	511560		511427
200272	30750	51017	AEP	High Priority	\$8,934,149	AEP	Construct new 6.4-mile 138 kV line from Stonewall to Wapanucka.		6/1/2015	36 months	521075		510949
200271	30597	51030	WFEC	ITP	\$450,000	WFEC	Install fiber optics on existing 138 kV line from Noel to Knobhill. Install a new 138 kV breaker and metering equipment at Noel to accommodate new circuit from new Lane substation.	6/1/2019	6/1/2019		514795	Knobhill 138	520201
200298	30761	51033	AEP	Transmission Service	\$6,566,218	AEP	Rebuild 2.3 miles of 138 kV 954 ACSR conductor with 1590 ACSR conductor from Cedar Grove to South Shreveport. Replace breaker, switches, and jumpers at South Shreveport. Replace switch at Cedar Grove.		6/1/2020		507771	CEDARGROVE	507755
200262	30766	51039	SPS	Transmission Service	\$3,632,101	SPS	Upgrade Yoakum County Interchange Ckt 1 230/115 kV transformer to 250 MVA.	6/1/2019	6/1/2019		526935	Yoakum County Interchange 230 kV	526934
200272	30769	51045	AEP	High Priority	\$2,248,743	SPP	Build 138 kV line from Benteler to Port Robson (circuit 1).	6/1/2015	6/1/2015	36 months	507792		507782
200272	30769	51046	AEP	High Priority	\$2,548,575	SPP	Build 138 kV line from Benteler to Port Robson (circuit 2).	6/1/2015	6/1/2015	36 months	507792		507782
200286	30771	51048	MIDW	High Priority	\$4,477,251	MIDW	Tap existing 115 kV line from Kanarado (Sunflower) to Sharon Springs to construct new Midwest Pump Tap substation.	7/2/2016	6/1/2015	24 months	530700		
200286	30771	51049	MIDW	High Priority	\$2,443,469	MIDW	Build new 5-mile 115 kV line from Midwest Pump to the new Midwest Pump Tap substation.	7/2/2016	6/1/2015	24 months	530700		530701
200262	30766	51050	SPS	Regional Reliability	\$3,432,506	SPS	Upgrade Yoakum County Interchange Ckt 2 230/115 kV transformer to 250 MVA.	6/1/2019	6/1/2019		526935	Yoakum County Interchange 230 kV	526934
200282	30777	51059	SPS	High Priority	\$327,861	SPS	Tap existing 115 kV line from South Hobbs to the Switch 4J44 substation to construct new Oxy South Hobbs substation.	6/30/2015	6/1/2018	24 months	528480		
	30778	51060	TBD	High Priority	\$8,853,879		Construct new 12-mile 115 kV line from Andrews to Cardinal.		6/1/2021	36 months	528602		528596
	30779	51061	TBD	High Priority	\$217,378		Construct new 0.3-mile 138 kV line from Barber to Medicine Lodge.		6/1/2023	36 months	539674	Medicine Lodge 138 KV	539998
	30779	51062	TBD	High Priority	\$2,810,198		Install new 138/115 kV 250 MVA transformer at Barber substation. Install any necessary 138 kV terminal equipment		6/1/2023	36 months	539673	Medicine Lodge 115 KV	539998
	30780	51063	TBD	High Priority			Install new 18-Mvar capacitor bank at Milan 138 kV.		6/1/2023		539676	MILAN 4 138	
	30681	51073	TBD	High Priority	\$10,516,124		Install 2nd 345/230 kV 675 MVA transformer at Chisholm substation. Install any necessary 230 kV terminal equipment.		6/1/2021	36 months	511553	Elk City 345 kV	511490
	30790	51074	TBD	High Priority	\$3,365,848		Rebuild 4.8 miles to 959.6 ACSR/TW. Upgrade jumpers at Hughes Springs.		6/1/2023	24 months	508291	HUGHES SPRINGS	508293
	30791	51075	TBD	High Priority	\$4,207,310		Rebuild 6-mile 69kV line from Plattsmouth to S985.		6/1/2023	24 months	640320	Plattsmouth	647985
	30792	51076	TBD	High Priority	\$2,503,349		Rebuild 3.6-mile 69kV line from S906 to S928.		6/1/2023	24 months	647006	Sub 906 North Bus	647928
	30793	51077	TBD	High Priority	\$785,365		Rebuild 1.1-mile 69kV line from JCT205 to S901.		6/1/2023	24 months	647901	Sub 901	647105
	30793	51078	TBD	High Priority	\$2,012,497		Rebuild 2.9-mile 69kV line from JCT205 to S910.		6/1/2023	24 months	647910	Sub 910	647105

	30794	51079	TBD	High Priority	\$2,804,873		Rebuild the 4-mile 69 kV line from Gypsum to Russell to achieve a rating of 53/65 MVA.		6/1/2023	24 months	520929	GYPSUM	521042
	30794	51080	TBD	High Priority	\$4,978,650		Rebuild the 7.1-mile 69 kV line from El Dorado Junction to Gypsum to achieve a rating of 53/65 MVA.		6/1/2023	24 months	520895	ELDORADO JCT	520929
	30795	51081	TBD	High Priority	\$10,518,275		Rebuild the 15-mile 69 kV line from El Dorado to Lake Pauline WTU to achieve a rating of 53/65 MVA.		6/1/2023	24 months	520896	ELDORADO	512111
	30796	51082	TBD	High Priority	\$500,000		Install new 3-Mvar capacitor bank at Manning 115 kV.		6/1/2023	18 months	531362	MANNING TAP	
	30797	51083	TBD	High Priority	\$237,000		Install new 12-Mvar capacitor bank at Sugden 69 kV.		6/1/2023	18 months	521057	SUGDEN	
	30798	51084	TBD	High Priority	\$237,000		Install new 4.8-Mvar capacitor bank at Walville 69 kV.		6/1/2023	18 months	521087	WALLVILLE	
	30799	51085	TBD	High Priority			Restore the rating of the 138 kV line from Kinzie to 19th Street to 203/238 MVA.		6/1/2023	12 months	512710	STILLWATER KINZIE 138	512712
	30800	51086	TBD	High Priority	\$3,881,288		Install new 161/69 kV 134 MVA transformer at Humboldt substaton. Install any necessary 69 kV terminal equipment.		6/1/2018	24 months	640234	Humboldt	647975
	30801	51087	TBD	High Priority	\$500,000		Add 14.4 Mvar capacitor bank to Glencoe 138 kV.		6/1/2023	18 months	301425		
	30802	51088	TBD	High Priority	\$3,856,701		Rebuild 5.5-mile 69 kV line from Big Sandy to Hawkins with 1233.6 ACSR/TW conductor to achieve a new line rating of 123/143 MVA.		6/1/2023	24 months	508335	BIG SANDY	508344
	30803	51089	TBD	ITP	\$7,248,352	SPP	Rebuild Grand Saline - Mineola 69 kV line, and upgrade jumpers,switches,CT ratios and relay settings at both substations		4/1/2020	24 months	508342	GRAND SALINE	508347
	30804	51090	TBD	High Priority	\$6,030,478		Rebuild 8.6-mile 69 kV line from North Mineola to Quitman with 959.6 ACSR/TW and upgrade bus, jumpers, CT ratios and relay settings at Quitman. New ratings 64/94 MVA.		6/1/2023	24 months	508348	NORTH MINEOLA 69KV	508353
	30805	51091	TBD	High Priority	\$981,706		Adora T - Adora - Winfield: Rebuild 6.5 miles to 959.6 ACSR/TW. Upgrade CT ratios at Winfield. New ratings 137/137.		6/1/2023	24 months	508284	ADORA REC	508285
	30805	51092	TBD	High Priority	\$3,576,213		Adora T - Adora - Winfield: Rebuild 6.5 miles to 959.6 ACSR/TW. Upgrade CT ratios at Winfield. New ratings 137/137.		6/1/2023	24 months	508284	ADORA REC	508315
	30806	51093	TBD	High Priority	\$271,612		Reconductor 0.7-mile 69 kV line from Blocker to Blocker Tap.		6/1/2023	24 months	509053	BLOCKER	509055
	30807	51094	TBD	High Priority	\$29,512,930		Construct new 40-mile 115 kV line from Stuart to the new SW Holt substation.		6/1/2023	36 months	640367	Stuart	640701
	30808	51095	TBD	High Priority	\$11,067,349		Construct new 15-mile 115 kV line from Fullerton to the PS24 substation.		6/1/2023	36 months	640176	Fullerton	640434
	30526	50657	AEP	ITP	\$4,744,431	SPP	Rebuild 10-mile 69 kV line from Hobart to Roosevelt Tap to achieve a new emergency rating of 143 MVA. Upgrade jumpers, switches, CT ratios, and relay settings at Hobart.		6/1/2015	30 months	511465	HOBART	511444
	30526	50658	AEP	ITP	\$9,218,626	SPP	Rebuild 18.7-mile 69 kV line from Roosevelt Tap to Snyder 69 kV to achieve a new emergency rating of 158 MVA. Upgrade jumpers, switches, CT ratios, and relay settings at Snyder.		6/1/2015	30 months	511444	ROOSEVELT TAP	511475
	30666	50864	SPS	ITP	\$17,142,313	SPP	Install new -50/+200 Mvar Static VAR Cacpacitor (SVC) at China Draw 115 kV bus.		4/1/2015	30 months	528220		

	30688	50915	OGE	ITP	\$84,327	SPP	Upgrade Park Lane 138 kV CTs and wave trap from 1200 A to 1600 A to achieve a new emergency rating of 382.4 MVA on the 138 kV line from Park Lane to Seminole.		6/1/2022	18 months	515044	SEMINOLE 138	515178
	30690	50918	SPS	ITP	\$3,411,800	SPP	Add 2nd 230/115 kV 250 kV transformer at Plant X.		6/1/2022	24 months	525481	Plant X Station 230 kV	525480
	30914	50952	SPS	ITP	\$6,469,386	SPP	Reconductor 9.5-mile 115 kV line from Livingston Ridge to IMC #1 Tap.		6/1/2015	30 months	528035	I. M. C. #1 Sub Tap 115 kV (International Mineral Co)	527953
	30914	50955	SPS	ITP	\$4,044,971	SPP	Reconductor 5.9-mile 115 kV line from Ponderosa Tap to Whitten with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	528239		528540
	30914	50957	SPS	ITP	\$1,258,393	SPP	Reconductor 1.5-mile 115 kV line from Intrepid West Tap to Potash Junction with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	527999		527962
	30914	50958	SPS	ITP	\$2,655,853	SPP	Reconductor 3.9-mile 115 kV line from Intrepid West Tap to IMC #2 with 477 ACSS conductor to achieve a rating of 276/304 MVA.		6/1/2015	30 months	527999		528035
	30803	51089	AEP	ITP	\$7,248,352	SPP	Rebuild Grand Saline - Mineola 69 kV line, and upgrade jumpers,switches,CT ratios and relay settings at both substations		4/1/2020	24 months	508342	GRAND SALINE	508347
	30817	51109	SPS	ITP	\$8,110,872	SPP	Rebuild 13.7-mile 115 kV line from Canyon West to Dawn to achieve a new emergency rating of 273 MVA.		4/1/2018	30 months	524516	Canyon West Sub 115 kV	524590
	30817	51110	SPS	ITP	\$5,737,375	SPP	Rebuild 8.4-mile 115 kV line from Dawn to Panda achieve a new emergency rating of 273 MVA.		4/1/2018	30 months	524590	Dawn Sub 115 kV	524597
	30817	51111	SPS	ITP	\$3,550,001	SPP	Rebuild 2.4-mile 4/0 segment of 115 kV line from Deaf Smith to Panda HFD with 795 ACSR conductor.		4/1/2018	30 months	524622	Deaf Smith County Interchange 115 kV	524597
	30914	51131	SPS	ITP	\$2,655,853	SPP	Rebuild 3.8-mile 115 kV line from Monument Tap to Byrd.		6/1/2015	30 months	528582	Byrd Sub 115 kV	528568
	30666	51132	SPS	ITP	\$17,142,313	SPP	Install new -50/+200 MVAR Static VAR Capacitor (SVC) at the Road Runner 115 kV bus.		4/1/2015	30 months	528025	Road Runner 115 kV	
	30838	51133	OPPD	ITP	\$5,793,456	SPP	Install a new 345/161 kV transformer at S3459. Install any necessary 161 kV terminal equipment.		6/1/2019	24 months	645459	Sub 3459	646209
	30838	51136	OPPD	ITP	\$2,183,363	SPP	Install any 345 kV terminal equipment required for new 345/161 kV transformer at S3459.		6/1/2019	24 months	645459	Sub 3459	
	30841	51137	OGE	ITP	\$4,537,130	SPP	Reconductor 5.3-mile 138 kV line from Anadarko to Gracemont to achieve a new emergency rating of 286 MVA.		4/1/2019	24 months	515802	Gracemont 138 kV	520814
	30842	51138	SPS	ITP	\$1,780,240	SPP	Reconductor 3.4-mile 115 kV line from Pantex North to Pantex South to achieve a new rating of 240 MVA.		4/1/2019	24 months	523938	Pantex North Sub 115 kV	523945
	30843	51139	OGE	ITP	\$113,988	SPP	Upgrade CT and wavetrap at both Cimarron and Draper 345 kV substations to 2000 A to achieve a new rating of 1195 MVA on the Cimarron - Draper 345 kV line.		4/1/2019	18 months	514901	CIMARRON 345	514934
	30844	51140	SPS	ITP	\$54,284	SPP	Upgrade wave traps at Sundown and Amoco to 1200 A to achieve a new emergency rating of 437 MVA on the 230 kV line from Amoco to Sundown.		1/1/2019	18 months	526435	Sundown Interchange 230 kV	526460
	30842	51141	SPS	ITP	\$3,560,480	SPP	Reconductor 6.8-mile 115 kV line from Highland Park Tap to Pantex South to achieve a new emergency rating of 240 MVA. Replace wave trap at Pantex South. Replace switch at Highland Park Tap.		4/1/2019	24 months	523931	Highland Park Tap 115 kV	523945

	30842	51142	SPS	ITP	\$3,514,318	SPP	Reconductor 5.1-mile 115 kV line from Martin to Pantex North to achieve a new rating emergency rating of 240 MVA. Replace wave trap at Pantex North.		4/1/2019	24 months	523928	Martin Sub 115 kV	523938
	30847	51144	AEP	ITP	\$10,018,471	SPP	Rebuild 11.2-mile 138 kV line from South Shreveport to Wallace Lake to achieve a new emergency rating of 246 MVA. Upgrade wavetrap and conductor within South Shreveport substation to 1200 A.		6/1/2019	24 months	507755	SOUTH SHREVEPORT 138KV	507765
	30848	51146	GRDA	ITP	\$86,400	SPP	Replace CT at Claremore to achieve a new emergency rating of 261 MVA on the 161 kV line from Claremore to GRDA 1.		6/1/2018	18 months	512651	CLAREMORE 161	512656
	30849	51148	NPPD	ITP	\$29,610,781	SPP	Rebuild 39.4-mile 115 kV from North Platt to Stockville to achieve a new emergency rating of 240 MVA.		1/1/2019	30 months	640287	North Platte 115 kV	640365
	30849	51149	NPPD	ITP	\$16,665,000	SPP	Rebuild 21-mile 115 kV from Red Willow to Stockville to achieve a new emergency rating of 240 MVA.		1/1/2019	30 months	640365	Stockville 115 kV	640326
	30849	51150	SEPC	ITP	\$3,996,563	SPP	Install a second 345/115 kV transformer at Mingo. Install any necessary 115 kV terminal equipment.		6/1/2015	24 months	531451	Mingo 345 kV	531429
	30850	51151	KCPL	ITP	\$15,726,289	SPP	Convert existing 18.2-mile 161 kV line from Iatan to Stranger Creek to 345 kV.		1/1/2019	36 months	542982	IATAN 345 KV	532772
	30852	51153	SPS	ITP	\$1,495,913	SPP	Install a second 115/69 kV transformer at Lovington. Install any necessary 69 kV terminal equipment.		6/1/2015	24 months	528618	Lea County REC-Lovington Interchange 69 kV	528334
	30854	51156	WR	ITP	\$7,686,209	SPP	Rebuild 3.1-mile 115 kV line from Forbes to Underpass North using single 1192.5 ACSR conductor to achieve a new emergency rating of 262 MVA. Rebuild Underpass 115 kV substation with ring bus breaker configuration and new 2000 A terminal equipment.		6/1/2021	24 months	533157	FORBES FIELD 115 KV	533189
	30855	51157	WR	ITP	\$6,033,488	SPP	Rebuild 6.3-mile 138 kV line from Murray Gill East Energy Center to Interstate to achieve new emergency rating of 286 MVA. Replace jumpers at Interstate and Murray Gill East Energy Center.		6/1/2022	24 months	533044	GILL ENERGY CENTER EAST 138 KV	533051
	30856	51158	SPS	ITP	\$7,789,804	SPP	Tap the existing Northwest to Bush 115kV line approximately 2 miles from Northwest substation to create new Bush Tap substation. Build new 3-mile 115 kV line from Bush Tap to Hastings with 795 ACSS conductor.		6/1/2022	30 months	524122	Bush Tap 115 kV	524136
	30857	51159	WR	ITP	\$9,974,068	SPP	Add four (4) new 345 kV terminals to the Moundridge substation, configured in a ring bus breaker scheme. Tap the existing 345 kV line from Reno County to Wichita and terminate both ends into new 345 kV terminals at Moundridge. Install any necessary 345 kV terminal equipment.		6/1/2019	24 months	532779	Moundridge 345 kV	532796
	30857	51161	WR	ITP	\$4,389,083	SPP	Install a new 345/138 kV transformer at Moundridge. Install any necessary 115 kV terminal equipment.		6/1/2019	24 months	532779	Moundridge 345 kV	533013
	30858	51162	SPS	ITP	\$809,640	SPP	Install one (1) 14.4 MVAR capacitor bank at Allred 115 kV.		6/1/2021	24 months	527024	Allred & Cortez Subs 115 kV	

	30859	51163	SPS	ITP	\$809,640	SPP	Install one (1) 14.4 MVAR capacitor bank at Plains Interchange 115 kV.		6/1/2015	24 months	526928	Lea County REC-Plains Interchange115 kV	
	30860	51164	SPS	ITP	\$1,619,280	SPP	Install two (2) stages of 14.4 MVAR capacitor banks at China Draw 115 kV.		6/1/2022	24 months	528222	China Draw 115 kV	
	30860	51165	SPS	ITP	\$1,619,280	SPP	Install two (2) stages of 14.4 MVAR capacitor banks at North Loving 115 kV.		6/1/2022	24 months	528182	North Loving 115 kV	
	30914	51166	SPS	ITP	\$1,619,280	SPP	Install two (2) stages of 14.4 MVAR capacitor banks at Ochoa 115 kV.		6/1/2015	30 months	528232	Ochoa Sub 115 kV	
	30862	51167	SEPC	ITP	\$337,350	SPP	Install one (1) 6 MVAR capacitor bank at Grinnell 115 kV.		6/1/2023	24 months	531412	Grinnell 115 kV	
	30863	51168	WAPA	ITP	\$337,350	SPP	Install one (1) 6 MVAR capacitor bank at Miles City 115 kV.		6/1/2019	24 months	652412	Miles City East 115 kV	
	30866	51170	SPS	ITP	\$27,142	SPP	Replace wave trap at Amarillo South to achieve a new emergency rating of 520 MVA on the 230 kV line from Amarillo South to Swisher County.		4/1/2020	18 months	524415	Amarillo South Interchange 230 kV	525213
	30867	51171	SPS	ITP	\$3,051,300	SPP	Upgrade existing 230/115 kV transformer at Tuco to achieve a new emergency rating of 288 MVA.		6/1/2022	24 months	525830	TUCO Interchange 230 kV	525828
	30868	51172	AEP	ITP	\$251,887	SPP	Rebuild 0.32-mile 138 kV from Enogex Wilburton Tap to Lone Oak to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510897	Lone Oak 138 kV	510944
	30868	51173	AEP	ITP	\$16,726,892	SPP	Rebuild 22.5-mile 138 kV from Enogex Wilburton Tap to Sardis to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510944	Enogex Wilburton Tap 138 kV	510926
	30868	51174	AEP	ITP	\$3,353,250	SPP	Rebuild 3.6-mile 138 kV from Clayton to Sardis to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510926	Sardis 138 kV	510919
	30868	51175	AEP	ITP	\$8,152,603	SPP	Rebuild 11.6-mile 138 kV from Clayton to Nashoba to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510919	Clayton 138 kV	510927
	30868	51176	AEP	ITP	\$17,844,360	SPP	Rebuild 22.4-mile 138 kV from Bethel to Nashoba to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510927	Nashoba 138 kV	510928
	30868	51177	AEP	ITP	\$12,992,400	SPP	Rebuild 16.3-mile 138 kV from Bethel to Broken Bow to achieve a new emergency rating of 286 MVA.		4/1/2023	30 months	510928	Bethel 138 kV	505614
	30864	51178	AEP	ITP	\$171,990	SPP	Upgrade relays and relays settings at Sand Springs to achieve a new emergency rating of 309 MVA on the Prattville - Sand Springs 138 kV line .		6/1/2023	18 months	509815	Sand Springs 138 kV	509758
	30849	51180	SEPC	ITP	\$1,983,363	SPP	Install any 345 kV terminal equipment required for second 345/115 kV transformer at Mingo.		6/1/2015	24 months	531451	Mingo 345 kV	
	30852	51181	SPS	ITP	\$689,063	SPP	Install any 115 kV terminal equipment required for second 115/69 kV transformer at Lovington.		6/1/2015	24 months	528334	Lea County REC-Lovington Interchange 115 kV	
	30873	51187	AEP	ITP	\$13,404,139	SPP	Rebuild 16.5 miles at Southwestern Station-Carnegie 138 kV		6/1/2016	30 months	511477	SOUTHWESTERN STATION 138KV	511445
	30875	51189	SPS	ITP	\$6,736,917	SPP	Rebuild of the PCA Interchange and Quahada 115kV line.		6/1/2016	30 months	527930	PCA Interchange 115 kV	528394
	30876	51190	OGE	ITP	\$5,060,286	SPP	Rebuild of the Little River and Maud 69kV line.		6/1/2015	24 months	515054	MAUD 69	515503
	30877	51191	GMO	ITP	\$4,329,248	SPP	Rebuild of Harrisonville North and Ralph Green 69kV line.		6/1/2015	24 months	541279	Ralph Green 69 KV	541297
	30878	51192	WFEC	ITP	\$1,854,448	SPP	Install new 138/69 kV transformer at Byron.		6/1/2016	24 months	520203		520207
	30879	51193	WR	ITP	\$5,379,150	SPP	Add a second 230/115kV transformer at Lawrence Hill.		6/1/2017	24 months	532853	LAWRENCE HILL 230 KV	533250
	30914	51194	SPS	ITP	\$6,465,875	SPP	Install 100MVAR capacitor at Potash 230kV Substation.		6/1/2015	30 months	527963	Potash Junction Interchange 230 kV	

	30914	51195	SPS	ITP	\$1,619,280	SPP	Install 28.8MVAR capacitors at Road Runner 115kv substation		6/1/2015	30 months	528025	Road Runner 115 kV	
	30881	51197	KCPL	ITP	\$1,355,978	SPP	Replace Existing 161/69 kV transformer at South Waverly to increase ratings from 22 MVA to 50 MVA.		6/1/2015	24 months	543063	SOUTH WAVERLY 161 KV	543094
	30883	51200	NPPD	ITP	\$5,118,750	SPP	Tap Ainsworth and Stuart 115kV line for the new Bassett substation. Install 9-MVAR capacitor bank at Bassett.		6/1/2016	24 months	640580		
	30884	51202	OGE	ITP	\$2,786,625	SPP	Install 138/69 kV bus tie transformer in OG&E Stillwater substation and interface OG&E Stillwater 69 kV substation with existing Stillwater Municipal 69 kV transmission system		6/1/2019	24 months	515011	STILLWATER 138	999919
	30885	51203	WR	ITP	\$2,054,345	SPP	Rebuild 69 kV line between Neosho SES and Labette.		6/1/2019	24 months	533696	LABETTE SWITCHING STATION 69 KV	533768
	30888	51206	SPS	ITP	\$1,830,575	SPP	Upgrade Lynn County 115/69 kV transformer.		6/1/2019	24 months	526656	Lynn County Interchange 115 kV	526655
	30889	51207	AEP	ITP	\$3,409,682	SPP	Rebuild the 138kV line between Linwood, Cedar Grove, and South Shreveport upgrade the jumpers at Linwood to 276/376 MVA.		6/1/2017	24 months	507738	LINWOOD	507771
	30916	51209	SEPC	ITP	\$1,480,238	SPP	Upgrade terminal equipment at the Buckner and Spearville 345kV line.		6/1/2015	18 months	531469	SPEARVILLE	531501
	30890	51210	EDE	ITP	\$916,722	SPP	Rebuild 1.33 miles of the 69kV line between the Joplin 26th st sub 59 and the Joplin 10th St sub 64 substations.		6/1/2016	24 months	547526	SUB 64 - JOPLIN 10TH ST.	547525
	30891	51211	WR	ITP	\$480,900	SPP	Upgrade terminal equipment at Benton 138kV substation to increase transformer ratings.		6/1/2015	18 months	532986	BENTON 138 KV	532791
	30892	51212	GRDA	ITP	\$134,800	SPP	Upgrade breaker and relay at CPPX 69kV substation.		6/1/2015	18 months	512661	CPP TRANSF #2 69	
	30893	51213	SPS	ITP	\$822,140	SPP	Install second one stage 14.4 MVAR capacitor bank at Texas County 115kV bus.		6/1/2019	24 months	523090	Texas County Interchange 115 kV	
	30894	51214	SPS	ITP	\$822,140	SPP	Install 14.4 MVAR capacitor bank at Cargill 115kV bus.		6/1/2019	24 months	524648	Cargill Sub 115 kV	
	30895	51215	AEP	ITP	\$570,052	SPP	Rebuild Brooks Street and Edwards Street 69kV line and upgrade jumpers at each end.		6/1/2016	24 months	507717	BROOKS STREET	507722
	30896	51216	GRDA	ITP	\$647,712	SPP	Install 14.4 MVAR capacitor at Boomer 69kV bus.		6/1/2015	24 months	512663	STILLWATER BOOMER 69	
	30897	51217	SPS	ITP	\$647,712	SPP	Install 14.4 MVAR Capacitor bank at Lea County Bronco 69kV Bus		6/1/2015	24 months	528727	Lea County REC-Bronco 69 kV	
	30899	51219	OGE	ITP	\$647,712	SPP	Install a 14.4 MVAR capacitor bank at Four Corners 69kV bus.		6/1/2015	24 months	514736	FOUR CORNERS 69	
	30900	51220	OGE	ITP	\$469,219	SPP	Install new 69kv breaker at Warner Tap to facilitate closing of the 69kV switch at Wells substation.		6/1/2015	18 months	515202	WELLS 69	
	30901	51221	GRDA	ITP	\$539,760	SPP	Install 12MVAR Capacitor Bank at Newport 69kV bus		6/1/2015	24 months	512645	NEWPORT 69	
	30902	51222	SPS	ITP	\$449,800	SPP	Install 10MVAR capacitor bank at Lea County Williams 69kV bus.		6/1/2015	24 months	528659	Lea County REC-Williams Sub 69 kV	
	30903	51223	WFEC	ITP	\$224,900	SPP	Install a 5 MVAR capacitor bank at Winchester 69kV bus.		6/1/2020	24 months	520408		
	30904	51224	GRDA	ITP	\$172,049	SPP	Install 3.6 MVAR capacitor at Childers 69kv bus		6/1/2018	24 months	512723	CHILDERS 69	
	30905	51225	WFEC	ITP	\$160,241	SPP	Install 3 MVAR capacitor bank at Thackerville 69kV bus.		6/1/2019	24 months	521068	THACKERVILLE	
	30909	51230	GRDA	ITP	\$86,469	SPP	Replace CTs and relays at both Collinsville and Skiatook substations to achive a new rating of 44 MVA on the Collinsville - Skiatook 69 kV line.		6/1/2017	18 months	512676	COLLINSVILLE 69	

	30912	51235	SPS	ITP	\$9,639,744	SPP	Tap the existing 345 kV line from Finney to Hitchland to construct the new Walkemeyer Tap substation. Install any necessary 345 kV terminal equipment.		6/1/2015	36 months	531512	Walkemeyer Tap 345 kV	
	30912	51236	SPS	ITP	\$3,444,000	SPP	Install new 345/115 kV transformer at the new Walkemeyer Tap substation. Install any necessary 115 kV terminal equipment.		6/1/2015	36 months	531512	Walkemeyer Tap 345 kV	531405
	30913	51237	SPS	ITP	\$5,102,450	SPP	Convert RIAC substation to 115kV. Install a new 3-way 115kV line switch tapping the Roswell Intg to Brasher 115kV line. Wreckout the existing 69kV transmission lines to the RIAC substation and rebuild the 1.5-mile 69kV line from the north with a new 115 kV line to RIAC. Add a new 115 kV terminal at Roswell Interchange and build a new 0.1-mile line out of Roswell Interchange to connect to the Roswell City 115 kV circuit.		6/1/2015	24 months	527552	RIAC Subs 69 kV	
	30912	51239	SPS	ITP	\$423,644	SPP	Construct SPS's portion of new 1-mile 115 kV line from Walkemeyer to the new Walkemeyer Tap substation.		6/1/2015	36 months	531405	Walkemeyer 115 kV	
	30912	51240	SEPC	ITP	\$423,644	SPP	Construct SEPC's portion of new 1-mile 115 kV line from Walkemeyer to the new Walkemeyer Tap substation.		6/1/2015	36 months	531405	Walkemeyer 115 kV	
	30912	51241	SEPC	ITP	\$3,907,813	SPP	Install any 115 kV terminal equipment at the existing Walkemeyer substation necessary to accommodate terminations of new 115 kV lines from the new Walkemeyer Tap substation and North Liberal.		6/1/2015	36 months	531405	Walkemeyer 115 kV	
	30912	51242	SEPC	ITP	\$16,813,452	SPP	Construct new 21-mile 115 kV line from North Liberal to Walkemeyer.		6/1/2015	36 months	539737	North Liberal 115 KV	
	30912	51243	SEPC	ITP	\$689,063	SPP	Install any 115 kV terminal equipment at the existing North Liberal substation necessary to accommodate termination of new 115 kV line from Walkemeyer.		6/1/2015	36 months	539737	North Liberal 115 KV	
	30914	51245	SPS	ITP	\$2,049,062	SPP	Rebuild 3-mile 115 kV line from Cardinal to Targa to achieve a new rating of 276/304 MVA.		6/1/2015	30 months			
	30914	51250	SPS	ITP	\$2,909,669	SPP	Wreck out and rebuild the 115kv line between National Enrich Plant and Targa to increase the ratings from 120/120 MVA to 276/304 MVA		6/1/2015	30 months	528603	National Enrichment Plant Sub 115 kV	528540
	30914	51254	SPS	ITP	\$1,619,280	SPP	Install 28.8 MVAR capacitor bank at Agave Hill substation 115kV.		6/1/2015	30 months	528230		
	30878	51267	WFEC	ITP	\$380,635	SPP	Install 138 kV terminal equipment at Byron necessary to install new 138/69 kV transformer.		6/1/2016	24 months			
	30881	51268	KCPL	ITP	\$85,632	SPP	Install 161 kV terminal upgrades at South Waverly necessary to upgrade existing 161/69 transformer to increase the normal rating from 22 MVA to 50 MVA.		6/1/2015	24 months	543063	SOUTH WAVERLY 161 KV	
	30884	51269	OGE	ITP	\$611,398	SPP	Install any required 138 kV terminal equipment to install new 138/69 kV transformer at Stillwater.		6/1/2019	24 months	515011	STILLWATER 138	
	30888	51270	SPS	ITP	\$19,425	SPP	Install 115 kV terminal equipment at Lynn County necessary to upgrade 115/69 kV transformer.		6/1/2019	24 months	526656	Lynn County Interchange 115 kV	
	30917	51271	SEPC	ITP	\$809,640	SPP	Install one (1) 14.4-MVAR capacitor bank on the 115 kV bus at Ellsworth.		6/1/2019	24 months	539662	Ellsworth 115 KV	

	30921	51276	NPPD	ITP	\$5,673,047	SPP	Rebuild 7.1-mile 115 kV line from Ainsworth to Ainsworth Wind to achieve a new emergency rating of 140 MVA.		6/1/2020	24 months			
	30416	50509	MKEC	Generation Interconnection	\$7,424,833	Original estimate	Build approximately 20 miles of 115kV to serve as second circuit between North Ft Dodge and Spearville. Reroute Ft. Dodge - Greensburg 115kV to North Ft. Dodge Substation.	4/30/2015		36 months	\$539,671	Judson Large 115 KV	539771
	30417	50510	MKEC	Generation Interconnection	\$18,276,977	MKEC	Add 345/115 kV transformer at Spearville. Needed as Network Upgrade for GEN-2008-079 but cost shared with GEN-2006-006 & previously with GEN-2009-062 prior to that project's withdrawal.	4/30/2015		36 months	531469	SPEARVILLE	539694
	30592	50752	SPS	Generation Interconnection	\$12,525,622	GEN-2008-022 (\$	345kV ring bus substation including: three (3) 345kV circuit breakers, control house, transmission line work, right-of-way, relay upgrades, disturbance monitoring device, reactors, and associated equipment.	5/1/2015					
	30658	50843	SEPC	Generation Interconnection	\$3,864,028	SEPC	Setab 345kV substation: Construct 345kV dead end tower, disconnect switch, revenue metering and miscellaneous equipment to interconnect GEN-2008-017 as per GEN-2008-017 GIA (Service Agreement 2178R1, effective 1/28/2013.	7/1/2017		23 months			
	30659	50844	SEPC	Generation Interconnection	\$8,304,207	SEPC	Setab 345kV substation: Add next rung to the existing breaker-and-a-half scheme for one (1) 345kV line terminal. Included are two (2) 345kV circuit breakers, four (4) 345kV breaker disconnect switches, one (1) 345kV line switch, bus supports, all associated structural steel, foundations, control house modifications and associated miscellaneous equipment.	7/1/2017		23 months			
	30416	51007	MKEC	Generation Interconnection	\$23,071,113	MKEC	Reroute Ft. Dodge - Greensburg 115kV to North Ft. Dodge Substation. Build second circuit between Ft. Dodge and North Ft Dodge (these stations are very close to each other).	4/30/2015		36 months	539671	Judson Large 115 KV	539771
	30763	51036	OGE	Generation Interconnection	\$2,707,042	EN-2007-062 (\$	345kV line terminal including two (2) 345kV circuit breakers, line relaying, disconnect switches, and associated equipment	5/20/2015			515375	Woodward EHV 345kv	
	30768	51044	MIDW	Generation Interconnection	\$599,380	MIDW	230kV Line terminal including one (1) 230kV circuit breaker, disconnect switches, and associated equipment.	9/1/2015			530584	POST ROCK 230 KV	
	30782	51058	OGE	Generation Interconnection	\$2,466,719	OGE	345kV line terminal including one (1) 345kV circuit breaker, line relaying, disconnect switches, and associated equipment	6/14/2015					
	30783	51064	WR	Generation Interconnection	\$13,197,769	8-098 & GEN-20	345kV Ring-bus Substation including three (3) 345kV Circuit Breakers, Switches, CCVT's, wave traps, structures, relaying, inspection, and Transmission Line Work	2/10/2015					
	30783	51065	WR	Generation Interconnection	\$478,861	8-098 & GEN-20	345kV Ring-bus Substation relaying and inspection	2/10/2015					
	30786	51069	NPPD	Generation Interconnection	\$5,750,000	EN-2010-051 (\$	230kV Line Terminal including four (4) breaker substation addition	10/24/2015					

	30787	51070	NPPD	Generation Interconnectio n	\$100,000	EN-2010-051 (S	Increase clearances to accommodate 320MVA facility rating	10/24/2015						
	30788	51072	OGE	Generation Interconnectio n	\$2,554,395	OGE	345kV Line Terminal including one (1) 345kV Circuit Breaker line relaying, disconnect switches, and associated equipment	3/15/2015						
200306	30731	50990	AEP	Regional Reliability	\$4,715,419	AEP	Rebuild 2.75-mile 69 kV line from Mt. Pleasant to West Mt. Pleasant to achieve a new emergency rating of 84 MVA.		6/1/2015					

To Bus Name	Circuit	Voltages (kV)	Miles of New Line	Miles of Rebuild/Reconductor	Miles of Voltage Conversion	Ratings
Artesia Interchange 69 kV	1	115/69				84/84
Artesia Interchange 115 kV	2	115/69				84/84
HAMMETT269.0	1	138	10			219/235
WOODWARD	1	69		3.5		91/114
GEORGIA	1	138		2		212/264
PAOLI	1	69		10.8		47/61
WESTLINK 69 KV	1	69	2.11			131/143
TYLER 69 KV	1	69		2.65		131/143
MOUNDRIDGE 115 KV	2	138/115				110/125
MARLOW JCT	1	69		7		72/72
WALLVILLE	1	69		4.85		53/65
INDIAHOMA	1	138			3	183/228
CACHE 4	1	138	13.7			183/228
GRANDFIELD	1	138/69				70/70
	1	115/69				84/84
	2	115/69				84/84
SIXTY-FOURTH (64TH) 69 KV	1	69		2		131/143
PERDUE 69KV	1	69		5.5		123/143
FARMINGTON AECC	1	161		11.1		294/360
Bailey County Interchange 115 kV	1	115	41.5			273/300
JEFFREY ENERGY CENTER 230 KV	1	230	30			797/797

SOUTH SHREVEPORT 69KV	1	69		2.3		90/121
KEATCHIE REC	1	138		12.63		287/287
Chaves County Interchange 115 kV	2	230/115				250/250
NORTHWEST HENDERSON 69KV	1	69	6.4			71/96
NORTH MARKET	1	69	4.7			136/143
Kings River 161 kV	1	345/161				400/440
FORBING TAP	1	69		2		90/121
East Rogers 345	1	345	9			1366/1915
Kings River 161 kV	1	345	32			1366/1915
Artesia South Rural Sub 69 kV	1	69	3			179/197
FERN STREET	1	69	1			68/94
MAUD 69	1	69				52.6/65.7
PAOLA 345KV	1	345	30			2546/2546
NASHUA 161 KV	1	345/161				400/440
Happy Interchange 69 kV	1	115/69				84/96
Happy Interchange 69 kV	2	115/69				84/96
Newhart Interchange 115 kV	2	230/115				250/250
Carlisle Interchange 230 kV	1	230	16.8			478/478
East Plant Interchange 115 kV	1	115	3.7			157/173
Eddy County Interchange 115 kV	1	230/115				250/250
Bowers Interchange 69 kV	2	115/69				84/96
MACARTHUR 69 KV	1	69		5.56		134/147
Zodiac Sub 115 kV	1	115			3	157/173

		115	0.3		1.5	139/160
Kiser Sub 115 kV	1	115	22.2			157/173
SUNSHINE CANYON	1	69		10		72/89
OU SWITCH 4	1	138			2	212/264
Hereford Centre Street Sub	1	115	7.8			245/275
Sub 918	1	69				89/89
WEATHERFORD	1	69		0.9		68/98
PRATTVILLE	1	138		9		272/287
COLE	1	138				144/179
MEMORIAL 138	1	138				478/478
NORTHWEST TEXARKANA 345KV	1	345	76.25			1330/1940
Maryville 345 kV	1	345	105			2496/2496
Maryville 345 kV	1	345	65			2496/2496
Maryville 345 kV	1	345	45			2496/2496
BROKEN ARROW NORTH - SOUTH TAP	1	138		4.33		284/316

South Georgia Interchange 115 kV	1	115	2			160/160
Grassland Interchange 115 kV	1	230/115				250/250
Swisher County Interchange 115 kV	1	230/115				250/250
REDBUD 345	3	345	5			1248/1426
Crosby County Interchange 69 kV	1	115/69				84/84
Crosby County Interchange 69 kV	2	115/69				84/84
South Georgia Interchange 115 kV	1	115		4.1		246/270
New Soncy 115 kV	1	115			1.04	157/173
		115				
		115				157/173
WILKES 138KV	1	138		23.74		395/592
CRINER	1	138				144/179
NORTHWEST 138	3	345/138				493/493
Allen Sub 115 kV	1	115		6.1		273/300

Canyon East Sub 115 kV	1	115	18.5			273/300
Hitchland Interchange 115 kV	2	230/115				250/288
Carlisle Interchange 115 kV	1	230/115				250/288
Potter County Interchange 230 kV	1	230			52	492/541
Dallam 230 kV	1	230			70	492/541
Dallam County Interchange 115 kV	1	230/115				168/168
		69				7.2 Mvar
		69				12 Mvar
		115				10.9 Mvar
FT SMITH 161	5	500/161				493/493
VBI NORTH	1	161				72/72
		115				18 Mvar
	1	115				15 Mvar
		115				18 Mvar
		69				6 Mvar
SEDGWICK COUNTY NO. 12 COLWICH 138 KV	1	138				160/160
		138				28.8 Mvar
		138				28.8 Mvar
Smith Center 115 KV	1	115				80/88
CANTON	1	69		9.7		106/132
TALOGA	1	138/69				112/112
Riley	1	115	6.7			233/245
		115				
	1	115				14.4 Mvar
		115	0.4			14.4 Mvar

		138				
Adair Tap 69 kV	1	115/69	17.79			84/84
Cedar Lake 115 kV	1	115	12.5			157/173
Ellsworth 115 KV	1	115	21			165/199
		115				239/239
Gracemont 345kv	1	345	72			1792/1792
Chisholm 230 kV	1	345/230				675/675
Gracemont 345kv	1	345	29.8			1792/1792
Tatonga 345kv	2	345	49			1792/1792
MATHEWSON 345	1	345	61			1792/1792
SUMMIT 345 KV	1	345	29.77			1792/1792
Elm Creek Substation	1	345/230				448/448
	1	345				
		230				
SUMMIT 345 KV	1	345	28.46			1792/1792
Neligh 345 kV	1	345	41			1792/1792
Neligh 115 kV	1	345/115				458/474

Gerald Gentleman Station	1	345	110			1792/1792
		345				
Holt County 345 kV	1	345	117			1792/1792
		345				
	1	345	107			1792/1792
		115				
Amoco Switching Station 230 kV (Amoco Slaughter)	1	345/230				560/644
Hobbs Interchange 230 kV	1	345/230				448/644
Howard 115 kV	1	115	33			180/199
CIMARRON 345	1	345	16			1792/1792
Hobbs Interchange 345 kV	1	345	52			1792/1792
		345				1792/1792
Sub 3454	1	345	28			1792/1792
Sub 1209	1	345/161				558/560
PAOLA 345KV	1	345				2546/2546
Canadian Sub 69 kV	1	69	39	10		52/69

	2	115				7.2 Mvar
Deaf Smith County Interchange 230 kV	1	230				478/502
Deaf Smith County Interchange 115 kV	1	230/115				250/250
Deaf Smith County Interchange 115 kV	2	230/115				250/259
Cole Interchange 115 kV	1	115	17			249/273
Floyd County Interchange 115 kV	1	115	25.8			249/273
PERDUE 138KV		138				272/272
Geary County 115 kV	1	345/115				400/440
KERR 161	1	161				356/432
CHAPMAN 115 KV	1	115	4.67	10.42		218/262
KANSAS TAP 161	1	161				356/432
	1	115				28.8 Mvar
SPRINGRIDGE PAN-HARR REC	1	138	27.6			272/376
Eagle Creek 115 kV	1	115	22.1			249/249
		115				156/199
Potash Junction Interchange 69 kV	1	115/69				84/84
S Portales 115 kV	1	115	5.3			159/175
Market ST 115 kV	1	115	6			159/175
Portales Interchange 115 kV	1	115	10.4			159/175
DEKALB	1	69	13.2			52/69
WATERWORKS	1	69	1.65			90/121

NORTH HUNTINGTON 69KV	1	69		4		143/143
MIDLAND REC	1	69	4.3			150/217
MIDLAND	1	69	7			150/217
CHILDERS 69	1	69				50/56
Sub 915 T2 Primary	1	69		0.71		65/65
SERVICE PL EL RENO 69		69				72/72
Payne Switching Station 138 kV	1	138				144/178
		138				286/286
GILL ENERGY CENTER EAST 69 KV	1	138/69				150/165
Viola 138kV	1	345/138				448/492
CLEARWATER 138KV	1	138	21.8			534/586
GILL ENERGY CENTER WEST 138 KV	1	138	27.9			534/586
NORTHWEST 138	3	345/138				493/493
		69				9.6 Mvar
		69				
		69				
		345				1793/1793
SOUTH HAYS 115 KV	1	115		3.25		164/199
		500/230				675/675

Stegall 115 kV	1	345/115				400/440
Scottsbluff	1	115	23			400/440
	1	345				448/492
	1	500				
	1	345				
	1	115	11.4	7		
Renfrow 138kV	1	138	4			183/228
		138	13			183/228
Doolin 138kV		138	22			183/228
		138				4.8 Mvar
Doolin 138kV		138	5			183/228
		69				4.8 Mvar
		138				183/228
LAKESIDE 138	1	138		3.6		
Canyon West Sub 115 kV		115	3.7			
Shell Co2 Gas Sub 115 kV	1	115	7.71			276/299
Kismet Substation		115	26			

Kismet Substation		115		4		
ROOSEVELT TAP	1	69		10		136/143
SNYDER 69KV	1	69		18.7		143/158
West Bender Sub 115 kV	1	115		0.5		276/303
Butler 138kV	1	138				143/160
		115	0.68			
NEOSHO 69 KV	1	345/138		0.5		150/165
Welsh Reserve 138 kV		138		4.39		395/592
Viola 138kV	1	138	28			262/314
		161/69				200/200
ELK CITY 138	1	138		9		183/228
		138				20 Mvar
	1	115				24 Mvar
		115				10.8 Mvar
Road Runner 345 kV	1	230	40.4			492/541

Road Runner 115 kV	1	230/115	1			250/288
FORT HUMBUG 69KV	1	69		1.7		136/143
JENKINS REC T		69		1.3		132/178
LONGVIEW HEIGHTS 69KV	1	69		6.6		68/89
HALLSVILLE	1	69		11.2		68/89
PRICE 3 115 kV	1	115	5		5	250/250
CV-PINES 3 115 kV	1	115			3	245/245
Capitan 115 kV	1	115	5		5	245/265
Bailey Pump 115 KV	1	115	9.4			276/304
CITY OF WELLINGTON 69 KV		69		9		96/96
SUMNER COUNTY NO. 4 ROME 69 KV		69		9.5		96/96
Sundan Rural 115 kV	1	115	11.7			276/304
CRESTVIEW 69 KV		69		5.59		131/143
Lamb County REC-Sandhill 115 kV	1	115/69	0.2			84/84
Lamb County Sandhill 115 kV	1	115	8.6			276/304
KEN MAR 69 KV		69		1.74		131/143

Amherst 115 kV		115				276/304
West Littlefield 115 kV	1	115	13.71			276/304
Lamb County Interchange 115 kV	1	115	8.6			276/304
		69				9 Mvar
ELK JUNCTION 69 KV	1	69		9.5		72/72
CANEY VALLEY NO. 5 SEDAN 69 KV	1	69		19		72/72
S6801 8 69kV		161/69				134.4/134.4
S6801 8 69kV		161/69	3			144/144
S1301 161kV		161	17			377/377
Sub 924		69		1.34		143/143
Sub 924		69				99/99
	1	115				24 Mvar
		115				
Ord	1	115	42			160/176
KNOBHILL 69		138	0.09			
Letouteau W tap 69 kV		69	0.3			150/150
Ord	2	115				137/151
		161				

Ahloso 138KV	1	138			4.39	268/286
Harden City 138KV	1	138		10.12	10.12	268/286
Harden City 138KV	1	138		3.42	3.42	268/286
Frisco 138 kV	1	138		8.3	8.3	268/286
	1	345	2			1792/1792
	1	345/161				400/440
	1	345	18			1792/1792
Maryville	1	345/161				400/440
	1	345/161				650/715
Red Willow	1	345	110			956/956
TUCO Interchange 345 kV	1	345	64			1792/1792
HOLCOMB	2	345/115				435/435
NEOSHO 345 KV	1	345	99			1792/1792
Truman	1	161		29		554/554
North Warsaw 161	1	161		2		554/554
	2	345/115				435/435
	1	345			17	1792/1792
	1	345			30	1792/1792
PECAN CREEK 345						1195/1195
Sub 919		69		3.3		
BUTLER 138 KV		138	18.76			
TULSA 138		138		1.25		404/465
		115				
	1	69				12 Mvar
	1	345	10			

MCDADE (BREMCO)	1	345/138				675/742.5
	1	500/345				1500/1500
	1	345	35			
	1	345/138				314/366
WATOVA	1	138/138				202/235
ROMAN NOSE 138	1	138	14.25			278/316
WILKES 138KV	1	138				
WARWICK 138	1	138	13			268/286
SPRING VALLEY TAP 69	1	138	18			268/286
SPRING VALLEY TAP 69	1	138	5			268/286
ALVA	1	69		1.05		134/143
	1	69				
	1	138				9 Mvar
	1	69				9.6 Mvar
	1	138				24 Mvar
	1	69				12 Mvar
	1	69				24 Mvar
	1	345	18.2			1792/1792
	1	345	20.4			1792/1792
Potash Junction Interchange 115 kV	1	230/115				250/288
KANSAS AVENUE WATER TREATMENT PLANT	1	138				280/189
Harper 138 KV	1	138	21			190/190

	1	138	15			190/190
	1	115				12 Mvar
GODDARD TAP	1	69				
	1	69				9.6 Mvar
Milan Tap 138 KV	1	138	6.1			478/478
	1	69				9.6 Mvar
	1	69				12 Mvar
	1	138				70/70
	1	138				
	1	115				27 Mvar
	1	115				18 Mvar
		138				
MOUND ROAD	1	138		2.8		212/212
Grant Co. 138kV	1	138				268/308
FOUR CORNERS 69	1	138				268/308
	1	138				268/308
NE ENID4 138	1	138				268/308
	1	138				183/228
	1	138				183/228
China Draw 115 kV	1	345/115				448/448
	1	345				1792/1792
	1	345				1792/1792

	1	345/115				448/448
Woodward EHV 345kv	1	345				1004/1198
		345				1792/1792
CARMEN	1	138/69				70/70
CHEROKEE JCT	1	138/69				70/70
	1	138				183/228
BUFFALO	1	138/69				70/70
BUFFALO BEAR 2	1	138				144/179
	1	138				144/179
ELK CITY 69	1	138/69				68/89
Road Runner 115 kV	1	345/115				448/448
	1	345				1792/1792
	1	115			-50/+200 Mvar	
	1	115			-50/+200 Mvar	
	1	115	3.4			276/304
ALVA	1	69				134/143
	1	345/115				448/644
	1	115	18.4			276/304
	1	115	9.5			276/304

Road Runner 345 kV	1	345	2			1792/1792
	1	115				239/304
Road Runner 115 kV	1	115	18.9			276/304
	1	115	7.4			276/304
Hobbs Interchange 345 kV		345	47.24			1792/1792
TUCO Interchange 115 kV	1	115		20.49		276/304
	1	115				239/304
	1	115				28.8 Mvar
	1	115	0.2			239/304
	1	230/115	0.1			250/288
National Enrichment Plant Sub 115 kV		115	2.1			276/304
China Draw 115 kV	1	115	19.7			276/304
RIPLEY 69 KV	1	69	3.35			131/157
	1	138				183/228
Thedford	1	345/115				400/400
DOLET HILLS	1	345	45			
CENTER	1	345/138				314/366
Elk City 345 kV	1	345	0.5			1475/1623

Woodward EHV 345kv	1	345/230				1475/1623
	1	345				
	1	345				
Road Runner 345 kV	1	345	15			
	1	345/115				448/448
		345/115				448/448
Potash Junction Interchange 115 kV	1	345/115				448/448
Hobbs Interchange 345 kV	1	345				
Potash Junction Interchange 115 kV	2	345/115				448/448
RUSSETT 138	1	138				
	1	69				9 Mvar
PARK LANE 138 kV	1	138				382/382
VANOSS 138	1	138				
Plant X Station 115 kV	2	230/115				250/288
Seminole Interchange 115 kV	1	230/115				250/288
Seminole Interchange 115 kV	2	230/115				250/288

Wolfforth Interchange 115 kV	1	230/115				250/288
	1	115	9.3			276/304
	1	115				239/304
	1	115				239/304
	1	115	13.9			276/304
	1	115				239/304
	1	115	10.4			276/304
Wolfforth Interchange 230 kV	1	230				478/502
	1	115	15			276/304
	1	115	14			276/304
	1	115		2.5		276/304
Doud Sub 115 kV	1	115		1.71		276/304
	1	115		1.38		276/304
Yuma Interchange 115 kV	1	115		0.81		276/304
Grapevine Interchange 115 kV	1	115		3.91		276/304
Deaf Smith County Interchange 115 kV	2	115		2.17		276/304
Soncy Tap 115 kV	1	115		0.71		276/304
Puckett Sub 115 kV	1	115		2.3		276/304
Northwest Interchange 115 kV	1	115		8.34		276/304
Wolfforth Interchange 230 kV	1	230		24.62		598/598
Sundown Interchange 115 kV		230/115				250/288
South Plains REC-Frankford Sub 115 kV	1	115				159/160

	1	115				28.8 Mvar
	1	69				15 Mvar
	1	69				7.5 Mvar
Wheeler County Interchange 115 kV	1	115	35			180/199
	1	115	0.2			239/304
	1	115		9.47		
South Jal Sub 115 kV	1	115		3.7		276/304
	1	115		9.06		276/304
Whitten Sub 115 kV	1	115		5.913		276/304
South Plains REC-Woodrow Interchange 115 kV	1	115		5.98		276/304
Potash Junction Interchange 115 kV	1	115		1.51		276/304
I. M. C. #1 Sub Tap 115 kV (International Mineral Co)	1	115		3.89		276/304
Bowers Interchange 115 kV		115				
HUNTSVILLE 115 KV	1	115		28.8		80/88
	1	115	17.5			276/304
	1	115				239/304
Roosevelt County Interchange SWITCH #4K33 230 kV	1	230				478/478
Curry County Interchange 115 kV		115				
	1	69				9 Mvar
KEREFORD JUNCTION 69 KV	1	69				41/41

MIDWEST GRAIN SOLVENTS JCT1 69 KV	1					131/143
South Plains REC-Idalou 69 kV	1	69	2.45			54/54
		115				
Road Runner 115 kV	1	115	20			276/304
	1	115				239/239
	1	138	7			190/190
	1	138	22			190/190
	1	138	16			190/190
MILAN 4 138	1	138	8			190/190
Milan Tap 138 KV	1	138		11.7		478/478
	1	115				18 Mvar
	1	345				400/400
	1	138/138				68/89

RUSH SPRINGS NATURAL GAS	1	138	6			278/316
	1	138	6.4			322/478
Noel 138kV	1	138				
SOUTH SHREVEPORT 138KV		138		2.3		
Yoakum County Interchange 115 kV	1	230/115				250/250
Port Robson 69kV	1	138	3			344/478
Port Robson 69kV	2	138	3.4			344/478
		115				239/239
	1	115	6			164/199
Yoakum County Interchange 115 kV		230/115				250/250
		115				239/304
National Enrichment Plant Tap 115 kV	1	115	12			525/525
	1	138	0.29			
	1	138/115				250/250
	1	138	18			
ELK CITY 230KV	2	345/230				675/742.5
JENKINS REC T	1	69/69		4.8		123/143
Sub 985	1	69		6		65/65
Sub 928	1	69		3.57		65/65
Junction 205	1	69/69		1.12		65/65
Junction 205	1	69/69		2.87		65/65

RUSSELL	1	69/69		4.8		53/65		
GYPSUM	1	69/69		7.1		53/65		
LAKE PAULINE 69KV	1	69/69		15		53/65		
	1	115						
	1	69						
	1	69						
STILLWATER 19TH STREET 138	1	138						
Sub 975	1	161/69				134/134		
	1	138						
HAWKINS	1	69		5.5		123/143		
MINEOLA	1	69		13.8		140/143		
QUITMAN	1	69		8.6		64/94		
ADORA T	1	69		1.4		137/137		
WINFIELD	1	69		5.1		137/137		
BLOCKER TAP	1	69		0.7		134/156		
		115	40			240/240		
Central City North		115	15			160/160		
ROOSEVELT TAP	1	69		10		136/143		X
SNYDER 69KV	1	69		18.7		143/158		X
	1	115			-50/+200 Mvar			X

PARK LANE 138 kV	1	138				382/382	X	
Plant X Station 115 kV	2	230/115				250/288	X	
	1	115		9.47				X
Whitten Sub 115 kV	1	115		5.913		276/304		X
Potash Junction Interchange 115 kV	1	115		1.51		276/304		X
I. M. C. #1 Sub Tap 115 kV (International Mineral Co)	1	115		3.89		276/304		X
MINEOLA	1	69		13.8		140/143		X
Dawn Sub 115 kV	1	115		13.7			X	X
Panda Energy Substation, Hereford 115 kV	1	115		8.4			X	X
Panda Energy Substation, Hereford 115 kV	1	115		3.54				X
Monument Tap 115 kV	1	115		3.8		239/239		X
	1	115			-50/+200 MVAR			X
Sub 1209	1	345/161				400/440	X	
	2	345					X	
ANADARKO	1	138		5.28		286/286	X	
Pantex South Sub 115 kV	1	115				240/240	X	
DRAPER LAKE 345	1					1195/1195	X	
Amoco Switching Station 230 kV (Amoco Slaughter)	2	230				437/437	X	X
Pantex South Sub 115 kV	1	115		6.8		240/240	X	

Pantex North Sub 115 kV	1	115				240/240	X	
WALLACE LAKE 138KV	1	138		11.18		246/246	X	
GRDA1 161	1					261/261	X	X
Stockville 115 kV	1	115	39.4			240/240	X	
Red Willow	1	115	21			240/240	X	
Mingo 115 kV	2	345/115				280/280	X	X
STRANGER CREEK 345 KV	1	345			18.17	1195/1195	X	
Lea County REC-Lovington Interchange 115 kV	2	115/69				100/100	X	X
UNDERPASS (NORTH) 115 KV	1	115		3.1		218/262	X	
INTERSTATE 138 KV	1	138		6.3		286/286	X	
Hastings Sub 115 kV	1	115	3			384/422	X	
WICHITA 345 KV	1	345					X	X
MOUNDRIDGE 138 KV	1	345/138				280/308	X	X
		115				14.4 MVAR	X	

	1					14.4 MVAR	X	X
	1	115				28.8 MVAR	X	
	1	115				28.8 MVAR	X	
	1					28.8 MVAR	X	X
	1	115				6 MVAR	X	
	1					6 MVAR	X	
Swisher County Interchange 230 kV	1					478/526	X	X
TUCO Interchange 115 kV	1	115/230				252/288	X	
Enogex Wilburton Tap 138 kV	1	138		0.3		286/286	X	
Sardis 138 kV	1	138		22.4		286/286	X	
Clayton 138 kV	1	138		3.8		286/286	X	
Nashoba 138 kV	1	138		11.6		286/286	X	
Bethel 138 kV	1	138		22.4		286/286	X	
Broken Bow	1	138		16.3		286/286	X	
PRATTVILLE	1					265/309	X	
	2	345					X	X
	1	115					X	X
CARNEGIE	1	138		16.5		272/376		X
Quahada 115 kV	1	115		11.08		239/239		X
	1	69		10.73		72/72		X
Harrionsville North 69 KV	1	69		8.76		72/72		X
	1	138/69						X
LAWRENCE HILL 115 KV	2	230/115				280/308		X
	1							X

	1							X
SOUTH WAVERLY 69 KV	1	161/69				50/55		X
	1							X
	1	138/69				123/134		X
NEOSHO 69 KV	1	69		4.6				X
Lynn County Interchange 69 kV	1	115/69				84/84		X
CEDARGROVE	1	138		2.5		272/376		X
	1	345				1526/1526		X
SUB 59 - JOPLIN 26TH ST.	1	69		1.33		113/129		X
BENTON 345 KV	1					400/440		X
	1					102/123		X
								X
								X
EDWARDS STREET	1	69		0.8		136/143		X
	1							X
	1							X
								X
	1							X
								X
	1							X
								X
								X
								X
	1					44/44		X

	1	345				956/1052	X	X
Walkemeyer 115 kV	1	345/115				280/280	X	X
	1							X
	1	115	0.5			281/304	X	X
	1	115	0.5			281/304	X	X
	1	115					X	X
	1	115	21			210/256	X	X
	1	115					X	X
	1	115		3		276/304		X
Whitten Sub 115 kV	1	115		4.26		276/304		X
	1							X
	1	138/69						X
	1	161						X
	1	138						X
	1	115						X
	1	115				14.4 MVAR	X	

		115						X
North Judson Large 115 kV Sub		115	20					
Spearville 115 KV	1	345/115						
		345						
		345						
		345						
North Judson Large 115 kV Sub		115						
		345						
		230						
		345						
		345						
		345						
		230						

		230				
		345				
	1	69		2.72		84/84