

NTC ID	PID	UID	Owner	2018 Project Type	Cost Estimate	Upgrade Description	Service Date	Need Date	STEP Date	(Months)	From Bus Number	From Bus Name	To Bus Number	To Bus Name	Circuit Code	Voltage (kV)	New Miles	Rebuild Miles	Conversion Miles	Ratings (kV)
200216	501	10646	AEP	Regional Reliability	\$ 11,980,465	ACSR/TW. Replace breaker at Eveside.	6/1/2018	6/1/2018	6/1/2018	24	509061	EVENSID2	509075	NWHEMND2	1	69		6.4		71/96
30208	10991	MKEC	TPP10		\$ 2,501,569	1192.5 kcmil ACSR conductor (Bunting)		3/1/2022	3/1/2022		533036	CLEARWT4	539675	MILANTP4	1	115		5.6		261/314
30209	10992	WR	TPP10		\$ 11,839,190	ACSR conductor (Bunting)		3/1/2022	3/1/2022		533036	CLEARWT4	539675	MILANTP4	1	115		6.1		261/314
200229	772	11017	SPS	Regional Reliability	\$ 30,000,000	terminal equipment.	3/27/2018	6/1/2017	6/1/2017	36	526525	WOLFORTH 6	526561	CARLSLE 6	1	230	16.8			478
200397	844	11113	WFEC	Regional Reliability	\$ 4,725,000	Rebuild 10-mile 69 kV line from Sara Road to Sunshine Canyon.	4/1/2018	6/1/2020	6/1/2020	18	521005	MUSTANG2	521058	SUNSHIN2	1	69		10		89
200256	856	11127	SPS	Regional Reliability	\$ 10,699,546	transformer high side at Centre St. from 69 kV to 115 kV. Install any necessary terminal	3/30/2018	6/1/2014	6/1/2014	6	524567	NE HERFORD3	524555		1	115	5.1			245/275
200207	865	11142	OPPD	Regional Reliability	\$ 475,340	line to allow the use of a higher conductor rating.	6/1/2018	6/1/2018	6/1/2018	18	647917	5917 8	647918	5918 8	1	69				89
20110	910	11207	OGE	Service	\$ 225,000	Replace wavetrup	6/1/2019	6/1/2019		12	514839	BRYANT 4	514835	MEMRIAL4	1	138				478
20110	1021	11143	OGE	Service	\$ 18,000,000	Add 3rd 345kV line from Arcadia to Redbud	6/1/2019	6/1/2019		36	514908	ARCADIA7	514909	REBUDJ 7	3	345	5			1248/1426
20130	1036	11172	SPS	Regional Reliability	\$ 4,041,273	Substation to Coulter Interchange at I-40 & Soncy Street. At Soncy Sub split the	4/15/2019	6/1/2015		18	524252		524254		1	115			1.04	157/173
200305	1083	11423	AEP	Regional Reliability	\$ 24,880,495	conductor. Upgrade switches at Welsh Reserve and Wilkes and wave traps, jumpers,	6/1/2019	6/1/2019	6/1/2019		508355	WELSHRE4	508840	WILKES 4	1	138		23.74		395/592
200297	1139	11501	SPS	Regional Reliability	\$ 630,000	Rebuild 6-mile 115 kV line from Lubbock South interchange to Allen substation.	6/1/2019	6/1/2019	6/1/2019		526268	LUBBCK STH 3	526213	ALLEN 3	1	115		6		174
200369	1142	11506	SPS	Regional Reliability	\$ 12,806,065	Interchange.	12/31/2020	2/1/2014			524364	RANDALL 3	524523	CANYON_EAST3	1	115		13.8		104
200359	1146	11509	SPS	Regional Reliability	\$ 3,384,000	Upgrade 230/115 kV transformer at Carlisle.	3/27/2018	10/1/2015	6/1/2023	24	526161	CARLSLE 6	526160	CARLSLE 3	1	230				171
200359	1145	11524	SPS	TPP10	\$ 4,714,312	Reconductor 3.98 miles of Carlisle - Murphy 115 kV.			6/1/2021		526160	CARLSLE 3	526192	MURPHY 3	1	115		3.98		273/300
20080	30201	50208	NPPD	Regional Reliability	\$ 700,000	Add a 18 Mvar capacitor bank at Clarks substation 115 kV bus.	6/1/2018	11/1/2012		24	640436	CLARKS 7			1	115				
20080	30203	50210	NPPD	Regional Reliability	\$ 741,050	at this location.	6/1/2018	11/1/2012		24	640305	ONEILL 7			1	115				
200414	30226	50372	WR	Zonal Reliability	\$ 9,308,090	kcmil ACSR (Bunting).	6/1/2018				533320	CLAYCSS3	533319	RILEY 3	1	115	6.7			233/245
30229	50376		SPS	TPP10	\$ 944,754	Install 28.8 Mvar capacitor at Lamb County 69 kV.			6/1/2022		526036	LC-OPYKE 3			1	69				
200255	50361	50413	AEP	Regional Reliability	\$ 65,082,311	interconnection with Oklahoma Gas & Electric Co. (OGE) towards Gracemont. The	3/1/2018	3/1/2018	3/1/2018	60	700345	CHISHOLM7	515800	GRACMNT7	1	345	72			1792
200255	50361	50414	AEP	Regional Reliability	\$ 17,471,695	Sweetwater and Elk City. Cut-in existing Sweetwater - Elk City 230 kV O&T 1 line into new	3/1/2018	3/1/2018	3/1/2018	60	700345	CHISHOLM7	700231	CHISHOLM6	1	345				675
451	50415	AEC	Service - Non OATT		\$ 80,000	Upgrade 1272 AAC bus at Farmington REC.	6/1/2019	6/1/2018	3/1/2018		504020	FARMNGTN 5			1	161				520/729
30362	50416	AEP	TPP10		\$ 100,504,688	Build 55 mile new 345 kV line from Welsh to Lake Hawkins (or Perdue).			3/1/2022		700346	LHAWKN7	508359	WELSH 7	1	345	55			1792
30362	50417	AEP	TPP10		\$ 16,666,456	transformer at Lake Hawkins (or Perdue).			3/1/2022		700346	LHAWKN7	508358	LHAWKN4	1	345				675
30363	50418	OGE	TPP10		\$ 15,990,000	Reconductor 26 mile Glass Mountain - Moorland line to 795 AS33			3/1/2022		520999	MOORLND4	514788	GLASMTN4	1	138		26		268/287
200240	50361	50419	OGE	Regional Reliability	\$ 43,853,500	interconnection point with American Electric Power, toward the new Chisholm	3/1/2018	3/1/2018	3/1/2018	60	700345	CHISHOLM7	515800	GRACMNT7	1	345	29.8			1792
200223	50364	50420	OGE	Regional Reliability	\$ 50,594,040	Tatonga.	2/1/2018	3/1/2021	3/1/2021	25	515375	WWRDEHV7	515407	TATONGA7	2	345	49			1792
200223	50364	50421	OGE	Regional Reliability	\$ 56,387,700	substation.	2/1/2018	3/1/2021	3/1/2021	25	515407	WTRONGA7	515497	MATHWSN7	1	345	61			1792
30365	50422	GMO	TPP10		\$ 3,039,096	substation equipment to 2000 Amps.			6/1/2018		541211	BLSP5 5	541206	PRALEE 5	1	161		3.21		558
30365	50423	GMO	TPP10		\$ 2,399,248	Upgrade substation equipment to 2000 Amps.			6/1/2018		541205	BLSP5 5	541211	BLSP5 5	1	161		2.5		558
200222	50367	50425	ITCGP	Regional Reliability	\$ 42,024,978	interception point from the Summit substation.	3/1/2018	3/1/2018	3/1/2018	48	750011	ELMCREK7	532773	SUMMIT 7	1	345	29.77			1792
200222	50367	50426	ITCGP	Regional Reliability	\$ 4,928,468	Install new 345/230 kV transformer at Elm Creek.	12/31/2016	3/1/2018	3/1/2018	48	750011	ELMCREK7	539639	ELMCREK6	1	345				448
200222	50367	50427	ITCGP	Regional Reliability	\$ 12,154,733	Install terminal equipment on the 345 kV side of the Elm Creek substation.	12/31/2016	3/1/2018	3/1/2018	48	750011	ELMCREK7			1	345				
200222	50367	50428	ITCGP	Regional Reliability	\$ 2,165,198	Install terminal equipment on the 230 kV side of the Elm Creek substation.	12/31/2016	3/1/2018	3/1/2018	48	539639	ELMCREK6			1	230				
30368	50430	WR	TPP10		\$ 11,501,055	bundled 1192 ACSR conductor.			6/1/2022		533365	EAILEN3	533362	CHAPMAN3	1	115		12.3		240
30368	50431	WR	TPP10		\$ 3,806,178	bundled 1192 ACSR conductor.			6/1/2022		533365	EAILEN3	533361	AEC 3	1	115		3.33		240
30368	50432	WR	TPP10		\$ 19,949,242	bundled 1192 ACSR conductor.			6/1/2022		533361	AEC 3	533371	NORTHVW3	1	115		21.75		240
30368	50433	WR	TPP10		\$ 5,131,249	ACSR conductor.			6/1/2022		533370	NORTHST3	533371	NORTHVW3	1	115		3.2		240
30372	50437	WFEC	TPP10		\$ 16,666,500	Reconductor Okeene - Dover Switching Station 138 kV to 795 ACS.			3/1/2022		520882	DOVERSW4	521016	OKEENE 4	1	138		27.1		286
30500	50439	MKEC	TPP10		\$ 9,613,332	Reconductor 22.1 mile Harper to Milan Tap 138 kV line.			3/1/2020		539668	HARPER 4	539675	MILANTP4	1	138		22.11		261/314
200253	50374	50441	NPPD	Regional Reliability	\$ 10,082,325	345 kV equipment at Neligh.	4/1/2018	6/1/2016	6/1/2016	39	750013	NEUGH 3	640293	NEUGH 7	1	345				458/474
200220	50375	50442	NPPD	Regional Reliability	\$ 139,090,440	Cherry County substation. This upgrade is contingent upon approval from Western	10/1/2019	1/1/2018	1/1/2018	72	640500	CHERRYC3 345.00	640183	GENTLMN3	1	345	110			1792
200220	50375	50444	NPPD	Regional Reliability	\$ 9,936,752	This upgrade is contingent upon approval from WAPA to tap the Grand Island - Fort	10/1/2019	1/1/2018	1/1/2018	72	640500	CHERRYC3 345.00			1	345				
200220	50375	50445	NPPD	Regional Reliability	\$ 180,002,660	substation. This upgrade is contingent upon approval from WAPA to tap the Grand	10/1/2019	1/1/2018	1/1/2018	72	640500	CHERRYC3 345.00	640503	HOLT.C03 345.00	1	345	117			1792
200220	50375	50446	NPPD	Regional Reliability	\$ 13,119,129	kV line owned by WAPA. Install necessary terminal equipment at new substation. This	10/1/2019	1/1/2018	1/1/2018	72	640503	HOLT.C03 345.00			1	345				
200395	11068	50447	SPS	Regional Reliability	\$ 128,473,352	terminal equipment at Yoakum associated with new 345/230 kV transformer.	6/1/2020	6/1/2017	6/1/2017	72	525832	TUCO_INT 7	526462	AMOCO_SS 7	1	345	107			1792
200395	11068	50451	SPS	Regional Reliability	\$ 5,047,344	necessary 230 kV terminal equipment.	6/15/2019	6/1/2017	6/1/2017	72	526462	AMOCO_SS 7	526460	AMOCO_SS 6	1	345				560/644
200309	50376	50452	SPS	High Priority	\$ 14,027,120	644 MVA transformer at Hobbs.	4/30/2018	6/1/2018	6/1/2018	72	527896	HOBBS_INT 7	527894	HOBBS_INT 6	1	345				448/644
30377	50454	SPS	TPP10		\$ 1,581,080	Reconductor 1.5 miles line from Indiana to Stanton.			6/1/2018		526146	INDIANA 3	526076	STANTON 3	1	115		1.5		240
30377	50455	SPS	TPP10		\$ 1,604,810	Reconductor 4 miles from Indiana to SP-Erskine.			6/1/2018		526146	INDIANA 3	526109	SP-ERSKINE 3	1	115		4		240
200309	50376	50457	SPS	High Priority	\$ 90,628,750	Construct new 52-mile 345 kV line from Hobbs to Yoakum.	6/15/2020	6/1/2020	6/1/2020	72	526462	AMOCO_SS 7	527896	HOBBS_INT 7	1	345	52			1792
30391	50473	ITCGP	TPP20		\$ 6,000,000	Install second 345/230 kV 448 MVA Post Rock Transformer			1/1/2030						1	345				448
30391	50474	TBD	TPP20		\$ 121,500,000	Build new new 108 miles Mingo - Post Rock and associated terminal equipment			1/1/2030						1	345	108			1792
30392	50475	TBD	TPP20		\$ 79,875,000	equipment			1/1/2030						1	345	71			1792
30393	50476	TBD	TPP20		\$ 85,840,000	Build 79 miles of 345 kV Spearville - Mullergren and associated terminal equipment			1/1/2030						1	345	79			1792
30393	50477	TBD	TPP20		\$ 85,840,000	Build 79 miles of 345 kV Mullergren - Circle and associated terminal equipment			1/1/2030						1	345	79			1792
30393	50478	WR	TPP20		\$ 6,519,500	Build six miles of 345 kV Circle - Reno and associated terminal equipment			1/1/2030						1	345	6			1792
30394	50479	NPPD	TPP20		\$ 5,625,000	Build 5 miles of 345 kV Keystone Ogallala and associated equipment.			1/1/2030						1	345	5			1792
30394	50480	NPPD	TPP20		\$ 6,000,000	Install new 345/230 kV 448 MVA Ogallala Transformer			1/1/2030						1	345				448
30393	50481	MIDW	TPP20		\$ 6,000,000	Install new 345/230 kV 448 MVA Mullergren Transformer			1/1/2030						1	345				448
30393	50482	WR	TPP20		\$ 6,000,000	Install new 345/230 kV 448 MVA Circle Transformer			1/1/2030						1	345				448
30395	50483	TBD	TPP20		\$ 64,125,000	Grand Island - Holt Co. rebuild 76 miles of 345 kV			1/1/2030						1	345		76		1792
30396	50484	NPPD	TPP20		\$ 69,750,000	Build new 69 miles 345 kV Holt Co. - Shell Creek and associated terminal equipment			1/1/2030						1	345	69			1792
30396	50485	NPPD	TPP20		\$ 6,000,000	Install 2nd 345/230 kV MVA Shell Creek Transformer			1/1/2030						2	345		</		

203009	30638	50819	SPS	High Priority	\$ 22,256,315	Construct new 18.2-mile 345 KV line from North Loving to China Draw.	6/1/2018	6/1/2018	6/1/2018	48	528185	NLOV_PLT 7	528223	CHINA_DRAW 7	1	345	18.2			1792
203009	30638	50820	SPS	High Priority	\$ 30,570,481	Construct new 20.4-mile 345 KV line from new Kiowa substation to North Loving.	6/1/2018	6/1/2018	6/1/2018	48	528185	NLOV_PLT 7	527965	POTASH_JCT 7	1	345	20.4			1792
203035	30644	50827	MKEC	High Priority	\$ 11,949,636	Construct new 21-mile 138 KV line from Anthony to Harper.	2/18/2018	6/1/2018	6/1/2018		539001	ANTHONY	539668	HARPER 4	1	138	21			190
202726	30645	50828	MKEC	High Priority	\$ 12,625,134	Construct new 15-mile 138 KV line from Harper to new Rago substation.	2/18/2018	6/1/2015	6/1/2015		539668	HARPER 4	539017	RAGO	1	138	15			190
203009	30638	50849	SPS	High Priority	\$ 4,723,246	necessary 115 KV terminal equipment and ring/breaker and a half 115 KV bus for 4 line	6/1/2018	6/1/2018	6/1/2018	48	528223	CHINA_DRAW 7	528222	CHINA_DRAW 3	1	345				448
203009	30638	50850	SPS	High Priority	\$ 4,666,983	terminals at China Draw.	6/1/2018	6/1/2018	6/1/2018	48	528223	CHINA_DRAW 7			1	345				1792
203009	30637	50851	SPS	High Priority	\$ 10,383,515	ring, expandable to minimum 6 line or transformer terminals. Install terminal	4/30/2018	6/1/2018	6/1/2018	48	527965	POTASH_JCT 7			1	345				1792
203009	30638	50852	SPS	High Priority	\$ 5,551,820	any necessary 115 KV terminal equipment.	6/1/2018	6/1/2018	6/1/2018	48	528185	NLOV_PLT 7	528186	NLOV_PLT TR1	1	345				448
203009	30638	50854	SPS	High Priority	\$ 4,688,295	Install any necessary 345 KV terminal equipment necessary to install 345/115 KV 448	6/1/2018	6/1/2018	6/1/2018	48	528185	NLOV_PLT 7			1	345				1792
203009	30639	50862	SPS	High Priority	\$ 6,471,987	any necessary 115 KV terminal equipment.	4/30/2018	6/1/2018	6/1/2018		528027	RDRUNNER 345 KV	528025	RDRUNNER 115 KV	1	345				448
203009	30639	50863	SPS	High Priority	\$ 8,118,914	terminal equipment.	4/30/2018	6/1/2018	6/1/2018		528027	RDRUNNER 345 KV			1	345				1792
203009	30639	50868	SPS	High Priority	\$ 6,824,687	Install 345/115 KV 448 MVA transformer at Kiowa substation.	4/30/2018	6/1/2018	6/1/2018	48	527965	POTASH_JCT 7			1	345				448/644
202282	30675	50869	SPS	High Priority	\$ 14,729,995	Construct new 18.4-mile 115 KV line from China Draw to new Yesso Hills substation.	6/1/2021	6/1/2018	6/1/2018	36	528222	CHINA_DRAW 3	528246	YESSO_HILLS 3	1	115	18.4			276
203009	30639	50871	SPS	High Priority	\$ 2,575,436	Junction. Construct Circuit 1 with 345 KV conductor and Circuit 2 with 115 KV	4/30/2018	6/1/2018	6/1/2018	48	527965	POTASH_JCT 7	528027	RDRUNNER 345 KV	2	345	2			1792
202282	30672	50874	SPS	High Priority	\$ 5,062,341	Construct new 7.4-mile 115 KV line from new Toboso Flats substation to Dollarhide.	6/1/2018	6/1/2018	6/1/2018	36	528561	DOLLARHIDE 3	528566	SUBWS SVC 1	1	115	7.4			276/304
203009	30637	50875	SPS	High Priority	\$ 48,383,526	Construct new 47.2-mile 345 KV line from Kiowa to Hobbs.	4/30/2018	6/1/2018	6/1/2018	48	527965	POTASH_JCT 7	527896	HOBBS INT 7	1	345	47.24			1792
202282	30694	50877	SPS	High Priority	\$ 972,364	equipment.	6/1/2017	6/1/2018	6/1/2018	36	528240	PONDEROSA 3			1	115				239/304
202282	30694	50879	SPS	High Priority	\$ 4,250,000	Tap substation. Install any necessary 115 KV terminal equipment.	6/1/2017	6/1/2018	6/1/2018	36	528239	DISTSUBTP 3			1	115	0.2			239/304
202777	30678	50889	NPPD	High Priority	\$ 9,306,001	necessary 115 KV terminal equipment.	10/1/2019	6/1/2016	6/1/2016	48	640500	CHEERYC3_345.00	640381	THEDRD7	1	345				400
200457	30690	50918	SPS	Regional Reliability	\$ 14,278,278	Install a second 230/115 KV transformer at Plant X.		6/1/2001	6/1/2002	24	525481	PLANTX_6	525480	PLANTX_3	2	230				250/288
200395	30692	50920	SPS	Economic	\$ 3,621,405	Replace first existing 230/115 transformer at Seminole.	11/14/2019	6/1/2017	6/1/2017	24	527276	SEMINOLE_6	527275	SEMINOLE_3	1	230				246/283
200395	30692	50921	SPS	Economic	\$ 3,621,405	Replace second existing 230/115 transformer at Seminole.	5/14/2019	6/1/2017	6/1/2017	24	527276	SEMINOLE_6	527275	SEMINOLE_3	2	230				246/283
200421	30693	50922	SPS	Regional Reliability	\$ 3,510,969	Replace 230/115 KV transformer at Wolfthorpe substation.		6/1/2021	6/1/2021	24	526525	WOLFTHORP_6	526524	WOLFTHORP_3	1	230				196
200411	30694	50923	SPS	High Priority	\$ 5,000,000	Tap substation.	6/1/2017	6/1/2018	6/1/2018	36	528239	DISTSUBTP 3	528240	PONDEROSA 3	1	115	9.3			276/304
200395	31067	50924	SPS	Regional Reliability	\$ 5,365,000	equipment.	11/30/2017	6/1/2017	6/1/2017	36	527953	LIVSTNRIDGE3			1	115				276/304
203009	30695	50925	SPS	High Priority	\$ 2,472,695	necessary 115 KV terminal equipment.	12/16/2016	6/1/2018	6/1/2018		527955	RDRUNNER_3			1	115				239/304
200436	30695	50926	SPS	High Priority	\$ 11,510,000	Construct new 27-mile 115 KV line from Livingston Ridge to new Sage Brush substation.	11/30/2017	6/1/2018	6/1/2018	36	527953	LIVSTNRIDGE3	527955	RDRUNNER_3	1	115	27			276/304
200411	30825	50931	SPS	High Priority	\$ 14,200,000	Construct new 14-mile 115 KV line from China Draw to Wood Draw.	6/15/2017	6/1/2018	6/1/2018		528222	CHINA_DRAW 3	528228	WOOD_DRAW 3	1	115	14			276/304
200420	30699	50943	SPS	Regional Reliability	\$ 4,514,434	Rebuild 8.3-mile 115 KV line from Northwest to Rolling Hills.	6/1/2021	6/1/2021	6/1/2021		524007	ROLLHILLS 3	524006	NORTHWEST 3	1	115		8.3		188
203009	30695	50951	SPS	High Priority	\$ 6,025,000	equipment.	12/15/2016	6/1/2018	6/1/2018	36	528596	NA_ENRCHTP3			1	115	0.2			239/304
200360	30914	50952	SPS	Regional Reliability	\$ 5,700,000	Rebuild 9.5-mile 115 KV line from Livingston Ridge to IMC #1 Tap.	4/15/2019	6/1/2015	6/1/2015	30	528035	IMC1_TP_3	527953	LIVSTNRIDGE3	1	115		9.5		
200365	30708	50954	SPS	Regional Reliability	\$ 8,200,000	Rebuild 9.1-mile 115 KV line from Ochao to Ponderosa Tap.	6/1/2018	6/1/2018		24	528232	OCHAO_3	528239	DISTSUBTP 3	1	115		9.1		178
200360	30914	50955	SPS	Regional Reliability	\$ 2,280,000	Reconductor 5.9-mile 115 KV line from Ponderosa Tap to Whitten.	12/6/2018	6/1/2015	6/1/2015	30	528239	DISTSUBTP 3	528240	WHITTEN_3	1	115		5.9		276/304
200360	30914	50957	SPS	Regional Reliability	\$ 2,455,000	Rebuild 1.5-mile 115 KV line from Intrepid West Tap to Potash Junction.	4/15/2019	6/1/2015	6/1/2015	30	527999	INTREPDW_TP3	527962	POTASH_JCT 3	1	115		1.5		276/304
200360	30914	50958	SPS	Regional Reliability	\$ 3,121,473	Rebuild 3.9-mile 115 KV line from Intrepid West Tap to IMC #2.	4/15/2018	6/1/2015	6/1/2015	30	527999	INTREPDW_TP3	528035	IMC1_TP_3	1	115		3.9		276/304
200436	30695	50967	SPS	High Priority	\$ 8,120,000	Construct new 19-mile 115 KV line from Cardinal to Sage Brush.	12/15/2016	6/1/2018	6/1/2018	36	528596	NA_ENRCHTP3	527957	LAGARTO_3	1	115	19			276/304
202282	30675	50988	SPS	High Priority	\$ 1,046,485	equipment.	6/1/2021	6/1/2018	6/1/2018	36	528246	YESSO_HILLS 3			1	115				239
200362	30732	50991	MKEC	High Priority	\$ 13,533,878	Construct new 8-mile 138 KV line from Anthony to Bluff City.	6/1/2018	6/1/2015	6/1/2015	36	539001	ANTHONY	539004	BLUFF_CITY	1	138	8			190
200455	30755	50992	SPS	Service	\$ 200,000	Upgrade 230/115 KV transformer at Tucco to 288 MVA.	6/1/2018	6/1/2019	6/1/2018	36	525830	TUCO_INT 6	525828	TUCO_INT 3	1	230				252/273
200362	30732	50993	MKEC	High Priority	\$ 9,053,898	Construct new 18-mile 138 KV line from Bluff City to Caldwell.	6/1/2018	6/1/2015	6/1/2015	36	539004	BLUFF_CITY	539005	CALDWELL	1	138	18			190
200362	30732	50994	MKEC	High Priority	\$ 7,400,863	Construct new 13-mile 138 KV line from Caldwell to Mayfield.	6/1/2018	6/1/2015	6/1/2015	36	539005	CALDWELL	539006	MAYFIELD	1	138	13			190
200362	30732	50995	MKEC	High Priority	\$ 6,691,298	Mayfield to new switch at Milan.	6/1/2018	6/1/2015	6/1/2015	36	539006	MAYFIELD	539676	MILAN 4	1	138	6.6			190
202777	30678	51002	NPPD	High Priority	\$ 930,800	345/115 KV transformer.	10/1/2019	6/1/2016	6/1/2016	48	640500	CHEERYC3_345.00			1	345				400
200397	30597	51030	WFEC	Regional Reliability	\$ 450,000	breaker and metering equipment at Noel to accommodate new circuit from new Lane	6/1/2017	6/1/2017	6/1/2017	24	514795	KNOBHILA	520201	NOEL_SW	1	138				268
200298	30761	51033	AEP	Service	\$ 6,566,218	Grove to South Shreveport. Replace breaker, switches, and jumpers at South	6/1/2020	6/1/2020	6/1/2018		507771	CEARGR4	507755	S_SHV 4	1	138		2.3		266
200339	30762	51034	AEP	Regional Reliability	\$ 6,629,465	Rebuild existing 3.2-mile 69 KV line from Elberbe Road to Lucas.	3/1/2019	3/1/2019	3/1/2019		507723	ELLERBE2	507739	LUCAS 2	1	69		3.2		119
200339	30762	51035	AEP	Regional Reliability	\$ 652,658	Elberbe Road. Change relay setting at Lucas.	3/1/2019	3/1/2019	3/1/2019		507723	ELLERBE2				69				119
200262	30766	51039	SPS	Service	\$ 3,632,101	Upgrade Yoakum County Interchange Ckt 1 230/115 KV transformer to 250 MVA.	3/15/2019	6/1/2019			526935	YOAKUM_6	526934	YOAKUM_3	1	230				250
200262	30766	51050	SPS	Regional Reliability	\$ 3,432,506	Upgrade Yoakum County Interchange Ckt 2 230/115 KV transformer to 250 MVA.	5/31/2019	6/1/2019			526935	YOAKUM_6	526934	YOAKUM_3	1	230				250
	30786	51069	NPPD	Interconnection	\$ 5,750,000	230KV Line Terminal including four (4) breaker substation addition	11/1/2018									230				
	30787	51070	NPPD	Interconnection	\$ 100,000	Increase clearances to accommodate 320MVA facility rating	11/1/2018									230				
200382	30809	51096	AEP	Regional Reliability	\$ 4,319,501	Rebuild 2.0-mile 69 KV line from Keystone Dam to Wekiwa to 138 KV operation.	6/1/2021	6/1/2021	6/1/2023	24	505610	KEYSTON4	509757	WEKIWA-4	1	138		2		159
200395	30817	51109	SPS	Regional Reliability	\$ 6,519,222	Rebuild 13.7-mile 115 KV line from Canyon West to Dawn.	3/9/2018	6/1/2017	6/1/2017	30	524516	CANYON_WEST3	524590	DAWN_3	1	115		13.7		249/274
200395	30817	51110	SPS	Regional Reliability	\$ 4,212,298	Rebuild 8.4-mile 115 KV line from Dawn to Panda.	6/1/2018	6/1/2017	6/1/2017	30	524590	DAWN_3	524597	PANDAHFD 3	1	115		8.4		249/274
200395	30817	51111	SPS	Regional Reliability	\$ 2,055,714	Rebuild 3.5-mile 115 KV line from Deaf Smith to Panda.	12/15/2018	6/1/2017	6/1/2017	30	524622	DEAFSMITH 3	524597	PANDAHFD 3	1	115		3.5		245/265
200307	30839	51127	OPPD	Service	\$ -	emergency rating of 143 MVA.	6/1/2018	6/1/2018		24						69				
200307	30839	51128	OPPD	Service	\$ -	of SR24 - SR22 69 KV Ckt 1 to 99 MVA.	6/1/2018	6/1/2018		24						69				
200360	30914	51131	SPS	Regional Reliability	\$ 3,100,000	Rebuild 3.8-mile 115 KV line from Monument Tap to Byrd Tap.	11/16/2018	6/1/2015	6/1/2015	30	528582	BYRD_3	528568	MONUMTNT_TP 3	1	115		3.8		239
200330	30838	51133	OPPD	Regional Reliability	\$ 6,588,939	equipment.	6/1/2018	6/1/2019	6/1/2019	24	645459	S3459 3	646209	S1209 5	1	345				400
200330	30838	51136	OPPD	Regional Reliability	\$ 3,604,757	345KV	6/1/2018	6/1/2019	6/1/2019	24	645459	S3459 3			2	345				
200416	30843	51139	OGE	Regional Reliability	\$ 1,500,000	the														

	30862	51167	SEPC	Regional Reliability	\$	337,350	Install one (1) 6 MVAR capacitor bank at Grinnell 115 kV.		6/1/2023	6/1/2023	24	531412	GRINNEL3			1	115				
200326	30866	51170	SPS	Regional Reliability	\$	31,198	Anarillo South to Swisher County.	4/1/2020	4/1/2020	4/1/2020	18	524415	AMA_SOUTH 6	525213	SWISHER_6	1	230				478/502
	30867	51171	SPS	Regional Reliability	\$	3,051,800	Install 1st 230/115 kV transformer at Tucco with an emergency rating of 252 MVA.		6/1/2022	6/1/2022	24	525830	TUCCO INT 6	525828	TUCCO INT 3	1	230				252/288
	30868	51172	AEP	Regional Reliability	\$	251,887	emergency rating of 286 MVA.		4/1/2023	4/1/2023	30	510897	LONEOKA4	510944	ENOWIT4	1	138		0.32		286
	30868	51173	AEP	Regional Reliability	\$	16,726,892	emergency rating of 286 MVA.		4/1/2023	4/1/2023	30	510944	ENOWIT4	510926	SARDIS 4	1	138		22.4		286
	30868	51174	AEP	Regional Reliability	\$	3,353,250	286 MVA.		4/1/2023	4/1/2023	30	510926	SARDIS 4	510919	CLAYTONA4	1	138		3.6		286
	30868	51175	AEP	Regional Reliability	\$	8,152,603	of 286 MVA.		4/1/2023	4/1/2023	30	510919	CLAYTON4	510927	NASHOBAA4	1	138		11.6		286
	30868	51176	AEP	Regional Reliability	\$	17,844,360	286 MVA.		4/1/2023	4/1/2023	30	510927	NASHOBAA4	510928	BETHEL 4	1	138		22.4		286
	30868	51177	AEP	Regional Reliability	\$	12,992,400	rating of 286 MVA.		4/1/2023	4/1/2023	30	510928	BETHEL 4	505614	BKRW BW4	1	138		16.3		286
	30864	51178	AEP	Regional Reliability	\$	171,990	of 309 MVA on the Prattville - Sand Springs 138 kV line.		6/1/2023	6/1/2023	18A	509815	S.S. -4	509758	PRATTV-4	1	138				265/309
	41203	51181	LEA	Regional Reliability	\$	689,063	Livingston.		6/1/2015	6/1/2015	24	528334	LE-LOVINTON3			1	115				
200326	30875	51189	SPS	Regional Reliability	\$	9,000,000	Rebuild 11.1-mile 115 kV line from PCA interchange to Quahada.		6/1/2016	6/1/2016	30	527930	PCA_3	528394	Quahada 115 kV	1	115		11.1		239
200318	30883	51200	NPPD	Regional Reliability	\$	5,163,000		6/1/2018	6/1/2018	6/1/2016	24	640580	Bassett			1	115		0.1		
200319	30884	51202	OGE	Regional Reliability	\$	2,786,625	substation with existing Stillwater Municipal 69 kV transmission system.	6/1/2019	6/1/2019	6/1/2019	24	515011	STILWTR4	999919	STLWTR2	1	138				123/134
200326	30888	51206	SPS	Regional Reliability	\$	2,302,251	Replace 115/69 kV transformer at Lynn County substation.	6/1/2019	6/1/2019	6/1/2019	24	526656	LYNN CNTY 3	526655	LYNN CNTY 2	1	138				184/304
200406	30889	51207	AEP	Regional Reliability	\$	5,919,307	Upgrade the jumpers at Linwood.	6/1/2018	6/1/2017	6/1/2017	24	507738	LINWOOD4	507771	CEADGR4	1	138			2.42	272/376
200326	30894	51214	SPS	Regional Reliability	\$	1,401,147	Install one (1) 14.4-MVAR capacitor bank at Cargill 115 kV substation.	6/1/2018	6/1/2019	6/1/2019	24	524648	CARGILL_3			1	115				
200314	30895	51215	AEP	Regional Reliability	\$	4,294,228	both substations.	6/1/2018	6/1/2016	6/1/2016	24	507717	BROOKS 2	507722	EDWARDS2	1	69		0.85		136/143
	30897	51217	LEA	Regional Reliability	\$	647,712	Install one (1) 14.4 MVAR capacitor bank at the Bronco 69 kV substation.		6/1/2015	6/1/2015	24	528727	LE-BRONCO 2			1	69				
	30902	51222	LEA	Regional Reliability	\$	449,800	Install one (1) 10-MVAR capacitor bank at the Williams 69 kV substation.		6/1/2015	6/1/2015	24	528659	LE-WILLIAMS2			1	69				
200343	30912	51235	SPS	Regional Reliability	\$	15,276,827	substation. Install any necessary 345 kV terminal equipment.	6/1/2018	6/1/2015	6/1/2015	36	531512	WALKTAP7			1	345		0.1		956/1052
200343	30913	51237	SPS	Regional Reliability	\$	5,278,168	115 kV line from Brasher to Roosevelt Interchange. Remove the existing 69 kV	11/30/2018	6/1/2015	6/1/2015	24	527552	RIAC_2			1	115		0.1	1.5	276/304
200344	30912	51240	SEPC	Regional Reliability	\$	1,219,321	Construct new 1-mile 115 kV line from Walkemeyer to the new Stevens Co. substation.	6/1/2018	6/1/2015	6/1/2015	24	531405	WALKMYR3			1	115		1		281/304
200344	30912	51241	SEPC	Regional Reliability	\$	7,086,075	accommodate the terminations of the new 1-mile 115 kV line from the new Stevens	6/1/2018	6/1/2015	6/1/2015	29	531405	WALKMYR3			1	115				
200360	30914	51245	SPS	Regional Reliability	\$	2,435,548	Rebuild 3-mile 115 kV line from Cardinal to Targa.	1/31/2018	6/1/2015	6/1/2015	30					1	115			3	276/304
200360	30914	51250	SPS	Regional Reliability	\$	4,704,602	Rebuild 4.3-mile 115 kV line from National Enrichment Plant to Targa.	12/15/2018	6/1/2015	6/1/2015	30	528603	NA_ENRICH 3	528540	WHITTEN 3	1	138		4.3		276/304
200319	30884	51269	OGE	Regional Reliability	\$	611,398	Stillwater.	6/1/2019	6/1/2019	6/1/2019	24	515011	STILWTR4			1	115				
200326	30888	51270	SPS	Regional Reliability	\$	-	115/69 kV transformer.	6/1/2019	6/1/2019	6/1/2019	24	526656	LYNN CNTY 3			1	115				
200394	30917	51271	SEPC	Regional Reliability	\$	2,687,615	Install two stages of 12-MVAR capacitor banks (24 total MVAR) at Ellsworth 115 kV.	6/1/2018	6/1/2017	6/1/2017	24	539662	ELLSWTH3			1	115				
200365	30918	51272	SPS	Regional Reliability	\$	3,044,258	Rebuild 3.5-mile 115 kV line from Cooper Ranch to Oil Center.	6/15/2021	6/1/2021		24					1	115			3.5	
200365	30918	51273	SPS	Regional Reliability	\$	3,791,000	Rebuild 4.9-mile 115 kV line from Byrd Tap to Cooper Ranch.	6/15/2021	6/1/2021		24					1	115			4.9	
200318	30921	51276	NPPD	Regional Reliability	\$	209,500	Rebuild 7.1-mile 115 kV line from Ainsworth to Ainsworth Wind.	6/1/2020	6/1/2020	6/1/2020	24					1	115			7.1	140
200318	30883	51277	NPPD	Regional Reliability	\$	902,000	Install one(1) 9-MVAR capacitor bank at the new Bassett 115 kV substation.	6/1/2018	6/1/2016	6/1/2016	24					1	115				
200337	30850	51283	GMO	Economic	\$	6,237,000	Creek to 345 kV operation.	6/1/2018	1/1/2019	1/1/2019	36	541350	IATANS	541231	STRANGERS	1	345				1195
200338	30850	51284	WR	Economic	\$	28,010,000	To 345 kV operation. Install any necessary terminal equipment at Stranger Creek.	6/1/2018	1/1/2019	1/1/2019	36	541350	IATANS	541231	STRANGERS	1	345		10.83		1195
	30933	51291	SPS	Interconnection	\$	4,043,580	115 kV ring bus station and install the following equipment to interconnect	11/6/2017								1	115				
	30934	51292	NPPD	Interconnection	\$	500,000	Facility rating to address loading issues	11/1/2018								1	230				
	30937	51299	SPS	Interconnection	\$	1,500,377	230kV breaker. Replace five (5) 230kV switches. Includes dead end structure.	4/30/2017				525830	TUCCO INT 6			1	230				
200345	51314	BEPC	Regional Reliability	\$	86,000,000	Construct new 58-mile 345 kV line from Judson to Tande.	10/31/2017	12/1/2017			659313	JUDSON	659336	TANDE	1	345		58			956/1052
200345	51315	BEPC	Regional Reliability	\$	18,000,000	substation. Install new 345/230 kV transformer at Tande.	10/31/2017	12/1/2017			659336	TANDE			1	345					
200345	51316	BEPC	Regional Reliability	\$	3,000,000	Install new 2-mile 230 kV line from Neset to new Tande substation.	10/31/2017	12/1/2017			659138	NESET 4	659336	TANDE	1	230		2			
200345	51317	BEPC	Regional Reliability	\$	4,000,000	line from new Tande substation.	10/31/2017	12/1/2017			659138	NESET 4			1	230					
200346	51318	BEPC	Regional Reliability	\$	31,500,000	Construct new 65-mile 230 kV line from Lower Brule to Witten.	1/1/2018	12/1/2016			659312	LOWERRBRULE 4	659310	WITTEN 4	1	230		65			400/440
200346	51319	BEPC	Regional Reliability	\$	4,500,000	230 kV line from Witten.	1/1/2018	12/1/2016			659312	LOWERRBRULE 4			1	230					
200346	51320	BEPC	Regional Reliability	\$	2,000,000	To Witten.	1/1/2018	12/1/2016			659312	LOWERRBRULE 4	659310	WITTEN 4	1	230					
200344	30912	51326	SEPC	Regional Reliability	\$	3,642,129	Tap substation. Install any necessary 345 kV terminal equipment. SEPC and	6/1/2018	6/1/2015	6/1/2015						1	345		0.5		
200344	30912	51327	SEPC	Regional Reliability	\$	8,326,803	necessary 115 kV terminal equipment.	6/1/2018	6/1/2015	6/1/2015	29					1	345				
200376	30952	51332	SEPC	Regional Reliability	\$	6,126,015	Install two-stage 24-MVAR capacitor bank at Ingalls 115 kV.	4/10/2018	6/1/2017	6/1/2017		531407	INGALLS3			1	115		0.1		
200376	30953	51333	SEPC	Regional Reliability	\$	3,852,343	Install 12-MVAR capacitor bank at Lane Scott 115 kV.	4/10/2019	6/1/2017	6/1/2017						1	115				
	30957	51336	SPS	Interconnection	\$	1,250,017	2014-040 Generating Facility, including all main aluminum tubing bus conductor and	11/14/2016								1	115				
	30959	51338	WR	Interconnection	\$	18,743,307	Amp motor-operated switches, six (6) 345 kV CVTs, four (4) 345 kV wave traps, new	9/27/2019								1	345				
	30966	51339	NPPD	Interconnection	\$	2,300,000	associated equipment. Add one (1) 115 kV dead-end tower, arresters, line switch,	5/1/2017								1	115				
	30969	51356	OGE	Interconnection	\$	2,554,395	and associated equipment to existing Border Substation; Right-of-Way for new 345kV	4/1/2018				515458	BORDER_7			1	345				
200384	30971	51358	SPS	Regional Reliability	\$	2,335,233	(operated at 69 kV).	11/15/2018	6/1/2016	6/1/2016					1	69		4.5		0	50
	30959	51360	WR	Interconnection	\$	600,000	three (3) 345 kV arrester stands, one (1) 345 kV full tension dead-end structure, and	9/27/2019								1	345				
	30974	51366	SPS	Interconnection	\$	307,375	Add 345 kV Line Terminal; Communications; Revenue Metering; 345kV Line Arrestors	11/17/2017								1	345				
	30974	51367	SPS	Interconnection	\$	2,443,882	Work: Right-Of-Way	11/17/2017								1	345				
	30975	51368	SEPC	Interconnection	\$	4,000,000	equipment required for the 345 kV transmission line.; Add all equipment for 345 kV	10/15/2017								1	345				
	30975	51369	SEPC	Interconnection	\$	8,200,000	(2) 345 kV breakers and all associated network equipment needed for the 345 kV line	10/15/2017								1	345				
	30979	51377	SPS	Interconnection	\$	270,000	345kV Line Arrestors	10/13/2017								1	345				
	30979	51378	SPS	Interconnection	\$	2,895,365	Line Work & R.O.W.; 345kV Line Terminal for Wind Farm GEN 2011-022	10/13/2017								1	345				
200380	30984	51392	GRDA	Regional Reliability	\$	550,000	161/69 kV Ckt 1 Transformer.	6/1/2021	6/1/2021		18	512651	CLARMR 5			1	161				171
200380	30984	51393	GRDA	Regional Reliability	\$	340,000	161/69 kV Ckt 1 Transformer and Claremore 161/69 kV Ckt 2 Transformer.	6/1/2021	6/1/2021		18	512651	CLARMR 5			2	69				171
200362	30732	51394	MKEC	High Priority	\$	3,640,327	Milan to Milan Tap approximately 0.25 miles from the Viola substation and terminate	6/1/2018	6/1/2015	6/1/2015	36					1	138		0.3	5.1	
200363	30732	51395	WR	High Priority	\$	3,915,388	Milan to Milan Tap approximately 0.25 miles from the Viola substation and terminate	6/1/2018	6/1/2015	6/1/2015						1	138				
200367	30986	51404	OPPD	Interconnection	\$	122,455	Nebraska City 345 kV (S3458): Install two (2) RFL 9780 PLCs and tuner at Nebraska City.	4/1/2017	10/31/2016						1	345					
200365	30987	51406	SPS	Regional Reliability	\$	6,185,000	Rebuild 6.5-mile 115 kV line from Cunningham to Monument Tap.	6/1													

200386	30997	51433	AEP	Regional Reliability	\$ 1,483,426	Install new 14.4-MVAR capacitor bank at Sayre 138 kV.	12/31/2018	6/1/2017	6/1/2017	18	511504	SAYRE- 4			1	138	
200395	30999	51436	SPS	Regional Reliability	\$ 934,347	Upgrade terminal equipment at both Potter Co. and Harrington 230 kV substations.	6/2/2019	6/1/2019	6/1/2019	18	523959	POTTER CD 6	523979	HARRING EST 6	1	230	
200395	31001	51438	SPS	Regional Reliability	\$ 443,886	Construct new 115 kV line from Agave Red Hills to Road Runner.	3/20/2017	4/1/2020	4/1/2020	24	528230	AGAVE RHILL	528025	RORUNNER 115 kV	1	115	0.8
200395	31001	51439	SPS	Regional Reliability	\$ 321,590	Construct new 115 kV line from Odjoo to Road Runner.	3/20/2017	4/1/2020	4/1/2020	24	528232	ODCHOA	528025	RORUNNER 115 kV	1	115	0.8
200395	31001	51440	SPS	Regional Reliability	\$ 759,610	terminating at Road Runner.	4/28/2017	4/1/2020	4/1/2020	24	528239	DISTSUB3TP 3	528025	RORUNNER 115 kV	1	115	1
200395	31001	51441	SPS	Regional Reliability	\$ 4,580,864	Agave Red Hills, and Custer Mountain.	3/28/2017	4/1/2020	4/1/2020	24	528025	RORUNNER 115 kV			1	115	
200395	31001	51442	SPS	Regional Reliability	\$ 119,406	Runner.	3/28/2017	4/1/2020	4/1/2020	24	528232	ODCHOA			1	115	
200395	31001	51443	SPS	Regional Reliability	\$ 25,280	Runner.	3/28/2017	4/1/2020	4/1/2020	24	528230	AGAVE RHILL			1	115	
200392	31002	51444	OGE	Regional Reliability	\$ 750,000	Lincoln to Meeker line is 12 miles. OGE and Western Farmers Electric Cooperative shall	10/15/2017	6/1/2017	6/1/2017	36	515442	LINCOLN4	520994	MEEKER 4	1	138	12
200397	31002	51445	WFEC	Regional Reliability	\$ 6,000,000	Construct new 8.5-mile 138 kV line from Lincoln to Meeker.	8/1/2017	6/1/2017	6/1/2017	36	515442	LINCOLN4	520994	MEEKER 4	1	138	8.5
200386	31005	51448	AEP	Regional Reliability	\$ 2,304,911	Move load from 69 kV bus to 138 kV bus at Elk City.	6/1/2018	6/1/2017	6/1/2017	24	511458	ELKCTY-4	511459	ELKCTY-2	1	138	
200395	31008	51451	SPS	Regional Reliability	\$ 2,290,117	Convert the Artesia County Club 69 kV substation to 115 kV operation.	12/15/2019	6/1/2017	6/1/2017	36	527775	ARTESIA SR-2			1	115	
200395	31008	51452	SPS	Regional Reliability	\$ 507,619	Tap the 115 kV line from Atoka to Eagle Creek and install 3-way switch at tap point.	12/15/2019	6/1/2017	6/1/2017	36	527711	EAGLE CREEK3	527786	ATOKA 3	1	115	
200395	31008	51453	SPS	Regional Reliability	\$ 3,092,796	Construct new 115 kV line from Artesia County Club to Artesia County Club Tap.	12/15/2019	6/1/2017	6/1/2017	36					1	115	3
200406	31009	51454	AEP	Regional Reliability	\$ 5,974,766	Rebuild 69 kV line from Duncan to Tosco. Replace wave trap at Duncan.	6/1/2018	6/1/2018	6/1/2018	36	511452	DUNCAN-2	511457	TOSCO-2	1	69	3.86
	31014	51467	NPPD	Interconnection	\$ 875,000	Facilities. Work to include line switch, dead-end towers, metering, and associated and	10/15/2017								1	115	
	31014	51468	NPPD	Interconnection	\$ 4,300,000	three (3) 115kV circuit breakers, disconnect switches, associated bus, supports, relay	10/15/2017								1	115	
	31016	51471	SPS	Interconnection	\$ 4,960,847	length. The existing 795 MCM ACSR conductor will be replaced with 995 MCM ACCS	5/31/2018				18				1	230	
	31016	51472	SPS	Interconnection	\$ 4,960,847	length. The existing 795 MCM ACSR conductor will be replaced with 995 MCM ACCS	5/31/2018				18				1	230	10
	31017	51473	SPS	Interconnection	\$ 3,347,036	replaced with a new transformer unit to match the other transformer at this site. The	6/1/2018				24				1	345	
204007	31021	51478	SPS	Regional Reliability	\$ 15,007,492	Construct new 115 kV line from Mustang to Seminole.	6/1/2020	6/1/2017	6/1/2017	18	527146	MUSTANG N 3	527275	SEMINOLE 3	1	115	19.7
204007	31021	51479	SPS	Regional Reliability	\$ 2,500,387	termination of new line from Seminole.	6/1/2020	6/1/2017	6/1/2017	36	527146	MUSTANG N 3			1	115	19.7
204007	31021	51480	SPS	Regional Reliability	\$ 2,628,163	termination of new line from Mustang.	12/31/2019	6/1/2017	6/1/2017	36	527275	SEMINOLE 3			1	115	19.7
200395	31022	51481	SPS	Regional Reliability	\$ 5,783,021	Rebuild 3-mile segment of 115 kV line from Canyon East Tap to Randall.	12/15/2019	6/1/2017	6/1/2017	24	524523	CANYON EAST3	524364	RANDALL 3	1	115	3
200397	31065	51484	WFEC	Regional Reliability	\$ 4,000,000	kV.	12/31/2019	6/1/2017	6/1/2017	36	520855	CLEO J72			1	138	
200397	31066	51485	WFEC	Regional Reliability	\$ 4,000,000	Install 3-breaker ring bus at Ringwood to allow load to be moved from 69 kV to 138 kV.	6/1/2017	6/1/2017	6/1/2017	36	521039	RNGWOODJ2			1	138	
200390	31024	51486	GRDA	Regional Reliability	\$ 1,134,600	Install new 9-MVAR cap bank at Skiatook 69 kV.	6/1/2017	6/1/2017	6/1/2017	18	512702	SKIACGR2			1	69	
200417	31031	51501	BEPC	Regional Reliability	\$ 52,312,877	Construct new 345 kV line from Kummer Ridge to Roundup.	12/31/2019	6/1/2017	6/1/2017	48					1	345	32.4
200388	31032	51506	BEPC	Regional Reliability	\$ 3,918,000	Tap the 115 kV line from Makoti to Parrish to create new Plaza substation.	12/31/2017	6/1/2017	6/1/2017	12					1	115	
200388	31032	51507	BEPC	Regional Reliability	\$ 14,841,308	Construct new 115 kV line from Blaisdel to new Plaza substation.	12/31/2017	6/1/2017	6/1/2017	12					1	115	36
200388	31032	51508	BEPC	Regional Reliability	\$ 283,000	Install new 15-MVAR cap bank at new Plaza substation.	12/31/2017	6/1/2017	6/1/2017	12					1	115	
31034	51514	SPS	Interconnection	\$ 260,000	communications, revenue metering, line arresters and all associated equipment and	8/16/2016								1	115		
31034	51515	SPS	Interconnection	\$ 755,000	structures, and other associated equipment at the Point of Interconnection.	8/24/2016								1	115		
200393	31038	51521	OPPD	Regional Reliability	\$ 722,660	Install new 10-MVAR capacitor bank at 5964 69 kV.	6/1/2020	6/1/2020	6/1/2020	18	647964	5964 8			1	69	
200397	31040	51525	WFEC	Regional Reliability	\$ 450,000	Install 7-MVAR capacitor bank at Ringwood 138 kV.	6/1/2018	6/1/2018	6/1/2018	18	521039	RNGWOODJ2			1	138	
200397	31041	51526	WFEC	Regional Reliability	\$ 550,000	terminal. Install any required 138 kV terminal upgrades required to install 138/69 kV	12/31/2018	6/1/2017	6/1/2017	30	520203	BYRON 138			1	138	
200397	31041	51527	WFEC	Regional Reliability	\$ 3,600,000	terminal for 69 kV line from Hazelton Junction.	12/31/2018	6/1/2017	6/1/2017	30			520938	HAZLTN2	1	138	144/179
200418	31042	51528	OGE	Regional Reliability	\$ 7,700,661	interconnect the new DeGrasse substation. Install any 345 kV substation facilities	6/1/2019	6/1/2017	6/1/2017	36	515375	WWRDEHV7	539801	THSTL7	2	345	
200418	31042	51529	OGE	Regional Reliability	\$ 3,600,000	Install new 345/138 kV transformer at the new DeGrasse substation.	6/1/2019	6/1/2017	6/1/2017	36					1	345	
200418	31042	51530	OGE	Regional Reliability	\$ 8,383,000	Construct new 138 kV line from the new DeGrasse substation to Knob Hill.	6/1/2019	6/1/2017	6/1/2017	36			514795	KNOBH4	1	138	12
200419	31042	51531	WFEC	Regional Reliability	\$ 5,700,000	points into the new DeGrasse substation. WFEC and Oklahoma Gas and Electric.	12/31/2019	6/1/2017	6/1/2017	36	520999	MOORLND4			1	138	2
200395	31051	51549	SPS	Regional Reliability	\$ 1,461,643	115 kV line from Terry Co. to Wolforth.	6/1/2020	4/1/2020	4/1/2020	18	526736	TERRY CNTY 3	526524	WOLFFORTH 3	1	115	
200407	31052	51550	SPS	Regional Reliability	\$ 12,730,092	Cochran to Lehman Tap and terminate all four ends into new substation. Install new	12/15/2020	6/1/2018	6/1/2018	60	525531	TOLK WEST 6	526935	YOAKUM 6	1	230	2
200386	31057	51558	AEP	Zonal Reliability	\$ 13,512,897	Rebuild/Re-Conductor	12/31/2019	6/1/2017	6/1/2017	30	510912	ADEPOT2	510899	MCALST2	1	69	46.6
200386	31057	51559	AEP	Zonal Reliability	\$ 13,767,520	Rebuild/Re-Conductor	12/31/2019	6/1/2017	6/1/2017	30	510912	ADEPOT2	510885	PITTSB-2	1	69	78/86
200386	31057	51560	AEP	Zonal Reliability	\$ 23,047,526	Rebuild/Re-Conductor	12/31/2019	6/1/2017	6/1/2017	30	510882	ATOKA-2	510885	PITTSB-2	1	69	48/53
200386	31058	51561	AEP	Regional Reliability	\$ 11,778,983	Rebuild 9.0-mile 69 kV line from Fort Towson to Kiamichi Pump Tap.	6/1/2019	6/1/2018	6/1/2018	24	510876	KIPUMPT2	510917	FTOWSON2	1	69	9
200386	31058	51562	AEP	Regional Reliability	\$ 7,699,929	Rebuild 4.8-mile portion of 69 kV line from Kiamichi Pump Tap to Valliant.	6/1/2019	6/1/2018	6/1/2018	24	510876	KIPUMPT2	510910	VALLIANT2	1	69	4.8
200420	31061	51565	SPS	Regional Reliability	\$ 801,000	Rebuild 2.8-mile 115 kV line from Livingston Ridge to Wipac.	6/1/2021	6/1/2021	6/1/2021	36	527952	LVSTNRIDGE2	528009	WIPAC 3	1	115	2.8
200420	31062	51566	SPS	Regional Reliability	\$ 3,681,706	Upgrade 230/115 kV transformer at Pecos.	6/1/2021	6/1/2021	6/1/2021	36	528179	PECOS 6	528178	PECOS 3	1	230	
200420	31063	51567	SPS	Regional Reliability	\$ 700,000	line between the substations.	6/1/2021	6/1/2021	6/1/2021	36	528160	CARLSBAD 3	528178	PECOS 3	1	115	
200418	31042	51569	OGE	Regional Reliability	\$ 7,723,383	points into the new DeGrasse substation. OGE and Western Farmers Electric	6/1/2019	6/1/2017	6/1/2017	36	520999	MOORLND4			1	138	
31071	51573	SPS	Interconnection	\$ 337,375	terminal, line switches, dead end structure, communications, revenue metering, line	7/31/2017								1	345		
31071	51574	SPS	Interconnection	\$ 1,736,369	terminal position, install one (1) 3000A breaker and associated switches, structures.	7/31/2017								1	345		
30786	51577	NPPD	Interconnection	\$ 450,000	Church Hoskins 230kV to accommodate new 230kV interconnection. Includes: 230kV	11/1/2018								1	230		
200437	31073	51578	MIDW	Regional Reliability	\$ 2,663,963	Upgrade the 115/69 kV transformer at Heizer (HEIZER T4).	6/1/2021			24	530601	HEIZER 3	530563	HEIZER 2	1	115	
30965	51598	ITCGP	Interconnection	\$ 767,163	Interconnection Customer Facility.	10/7/2016								1	345		
30933	51599	SPS	Interconnection	\$ 236,346	Facility; Communications; Remote Terminal Unit; Revenue Metering; 115kV line	3/31/2017								1	115		
30969	51601	OGE	Interconnection	\$ 1,099,958	Substation. Dead end structure, line switch, line relaying, revenue metering including	4/1/2018								1	345		
30962	51607	GRDA	Interconnection	\$ 5,583,511	supporting equipment, relaying, three (3) interconnect metering equipment sets,	4/1/2017								3	345		
30956	51610	NPPD	Interconnection	\$ 700,000	line relaying equipment necessary to interconnect the interconnection Customer	5/1/2017								1	115		
30957	51612	SPS	Interconnection	\$ 260,000	Communications; Revenue Metering; and, 115kV Line Arresters.	10/28/2016								1	115		
31075	51613	KCPCL	Interconnection	\$ 600,000	relaying, revenue metering, Current Transformers, Potential Transformers, and	7/21/2018								1	161		
31075	51614	KCPCL	Interconnection	\$ 7,978,000	bus switch station on the 161 kV transmission line between Centerville and Marmaton.	7/21/2018								2	161		
200463	31075	51615	WR	Interconnection	\$ 110,000	accommodate the construction of the Transmission Owner new 161kV switch station.	7/21/2018	10/31/2018						1	161		
31076	51616	SPS	Interconnection	\$ 260,000	communications, revenue metering, line arresters, and all associated equipment and	11/28/2016								1	115		
31076	51617	WR	Interconnection	\$ 1,477,078	2013-022 Generating Facility and all associated equipment including new RTU.	11/28/2016								1	115		
200444	31079	51623	SPS	Economic	\$ 283,963	rating of the 115 kV line between the two substations.	12/31/2018	1/1/2017	1/1/2017		525888	TUCO INT 3	526076	STANTON 3	1	115	
200444	31081	51625	SPS	Economic	\$ 1,133,153	the rating of the 115 kV line between the two substations.	2/28/2020	1/1/2017	1/1/2017		526146	INDIANA 3	526509	SP-EKSKINE 3	1	115	
200467	31082	51626	WR	Economic	\$ 247,332	Increase the rating of the 138 kV line.	6/1/2019	1/1/2017	1/1/2017		532987	BUTLER-4	533001	ALTOONM4	1	138	
200430	31083	51628	WR	Economic	\$ 137,488	kV line between Neesho substation and Riverton substation.	6/1/2019	1/1/2017	1/1/2017		532937	NECOSH 5	547469	RIV452 5	1	161	
200428	31085	51630	KCPCL	Economic	\$ 500,000	Northeast to Charlotte to Crosstown.	3/1/2018	1/1/2018	1/1/2018		542985	NEAST 5	542990	CROSTWN5	1	161	
200458	31086	51631	WR	Service	\$ 9,142,063	Bunting ACSR.	12/31/2018	12/3									

	31094	51646	AEP	Regional Reliability	Install terminal upgrades at Pirkey to accommodate new 138 kV line from Knox Lee.					508562	PIRKEY 4			1	138			286
200429	31127	51730	MIDW	Economic	\$ 2,157,736	Build a new second 0.5-mile 230 kV line from Knott to Post Rock.	6/1/2019	1/1/2017	1/1/2017	530558	KNOLL 6	530584	POSTROCK6	2	230	0.5		797
200431	31131	51738	AEP	Economic	\$ 4,780,000	upgrade terminal equipment at Siloam Springs.	1/1/2020	1/1/2017	1/1/2017	506948	SILGAM 5	512643	SILCMT5	1	161		2.1	446
200432	31131	51739	GRDA	Economic	\$ 279,400	line between Siloam Springs (AEP) and Siloam Springs City (GRDA) substations to an		1/1/2017	1/1/2017					1	161			
200433	31144	51764	WFEC	Economic	\$ 100,000	kV line between Tupelo substation and Tupelo Tap substation.	7/1/2021	1/1/2020	1/1/2020	505600	TUPELO 4	521071	TUPTOT4	1	138			169/201
	31147	51766	SPS	Interconnection	\$ 300,000	communications, revenue metering, line arresters and all associated equipment and	3/17/2018							1	230			
	31147	51767	SPS	Interconnection	\$ 6,398,806	lines to Talk Station 230 kV and Yoakum 230 kV. The remaining line terminal to	3/17/2018							1	230			
200434	31150	51774	OGE	Economic	\$ 305,000	substation and Tupelo Tap substation.	7/1/2021	1/1/2020	1/1/2020	515192	LULA 4	521071	TUPTOT4	1	138			192
200429	31127	51815	MIDW	Economic	\$ 1,508,445	Add a 230 kV line terminal to the existing substation.	6/1/2019	1/1/2017	1/1/2017			530558	KNOLL 6	2	230			
200429	31127	51816	MIDW	Economic	\$ 1,681,863	Add a 230 kV line terminal to the existing substation.	6/1/2019	1/1/2017	1/1/2017			530584	POSTROCK6	2	230			
200457	31175	51818	SPS	Regional Reliability	\$ 13,355,250	Interchange.	6/1/2021							1	115		19.88	
200457	31176	51819	SPS	Regional Reliability	\$ 228,006	Hockley County Interchange - Lamb County Interchange 115 kV Ckt 1.	6/1/2021							1	115			
	31177	51820	SEPC	Regional Reliability	\$ 3,908,969	Replace 115/69/13.8 kV Ckt 1 transformer at Garden City.	6/1/2017		6/1/2017					1	115			
	31178	51821	GRDA	Regional Reliability		Reconductor 3 miles of 69 kV line from Colcord Tap to Kansas.	6/1/2021							1	69			3
	31179	51822	GRDA	Regional Reliability		Hunt.	6/1/2018							1	69			
	31180	51823	MIDW	Regional Reliability		Replace wavetrapp and associated equipment	6/1/2018							1	115			
	31181	51824	NPPD	Regional Reliability		Upgrade Broken Bow 115/69/13.8 kV transformer ckt 1.	6/1/2017							1	115			
	31182	51825	NPPD	Regional Reliability		Upgrade Broken Bow 115/69/13.8 kV transformer ckt 2.	6/1/2017							2	115			
200423	31183	51826	OGE	Economic	\$ 37,638	Replace wavetrapp at Muskogee.	6/1/2021	6/1/2021						1	161			
200422	31184	51828	WR	Regional Reliability	\$ 23,683,317	Rebuild 24.3 miles of 345 kV transmission line from Jeffrey Energy Center - Hoyt.	6/1/2021	6/1/2021						1	345		24.3	
	31185	51830	SPS	Regional Reliability		DPA-2015-Apr-500	6/1/2021							1	115			
200446	31186	51831	AEP	Regional Reliability	\$ 1,298,049	Install 28.8-MVAR capacitor bank at IPC 138 kV	6/1/2021	12/1/2018	12/1/2018					1	138			
200455	41188	61834	SPS	Regional Reliability	\$ 766,323	Hale County - Kress Interchange at Hale County.			12/1/2018	525454	HALE CNTY 3			1	115			159/175
200444	41189	61836	SPS	Economic	\$ 324,392	the rating of the 115 kV line between the two substations.	3/15/2018	1/1/2017	1/1/2017	523928	MARTIN 3	523938	PANTEX N 3	1	115			159/175
200444	41189	61837	SPS	Economic	\$ 324,392	increase the rating of the 115 kV line between the two substations.	3/15/2018	1/1/2017	1/1/2017	523945	PANTEX S 3	523931	HIGHLAND TP3	1	115			159/175
200455	41192	61840	SPS	Regional Reliability	\$ 286,869	Substation.			6/1/2018	524306	COULTER 3			1	115			176/194
	41194	61844	SPS	Regional Reliability	\$ -	Install terminal upgrades on the 230 kV circuit K46 (Plant X - Sundown) at Plant X.	12/31/2018		6/1/2018	525481	PLANTX 6			1	230			497/547
200455	41194	61845	SPS	Regional Reliability	\$ 360,540	Install terminal upgrades on the 230 kV circuit K46 (Plant X - Sundown) at Sundown.	12/31/2018	6/1/2018	6/1/2018	526435	SUNDOWN 6			1	230			497/547
200455	41198	61852	SPS	Regional Reliability	\$ 98,639	County.	12/31/2018		6/1/2018	523090	TEXAS CNTY 3	523093	HITCHLAND 3	1	115			225
200455	41198	61853	SPS	Regional Reliability	\$ 108,430	County.	12/31/2018		6/1/2018	523090	TEXAS CNTY 3	523093	HITCHLAND 3	2	115			159/175
200446	42102	61858	AEP	Regional Reliability	\$ 6,014,381	Rebuild Tulsa Southeast - E 61st 3.5-mile 138 kV line.	6/1/2021			509811	T.S.E.-4	509831	E.61ST-4	1	138		3.5	278
200448	42109	61869	EDE	Regional Reliability	\$ 4,050,000	Reconductor 9.7-mile 69 line from Nichols to Republic North.	6/1/2018	6/1/2018	6/1/2018	547542	NIC170 2	547576	REF345 2	1	69		9.7	96
200448	42109	61870	EDE	Regional Reliability	\$ 1,450,000	Reconductor 3.9-mile 69 kV line from Republic Hines Street to Republic North.	6/1/2018	6/1/2018	6/1/2018	547443	REP451 2	547576	REF345 2	1	69		3.9	96
200448	42109	61871	EDE	Regional Reliability	\$ 800,000	Reconductor 1.3-mile 69 kV line from Republic East to Republic Hines Street.	6/1/2018	6/1/2018	6/1/2018	547443	REP451 2	547580	REF359 2	1	69		1.3	96
200462	42223	61894	CPEC	Regional Reliability	\$ 20,746,000	Construct new 24-mile 115 kV line from East Ruthville to SW Minot.	12/31/2019		6/1/2018	655655	EASTRUTH-CP7	655657	SWMINOT-CP7	1	115		21.8	187
200456	42223	61894	CPEC	Regional Reliability	\$ 20,745,000	Construct new 24-mile 115 kV line from East Ruthville to SW Minot.	12/31/2019		6/1/2018					1	115		24	115
200462	42223	61895	CPEC	Regional Reliability	\$ 1,035,000	Install terminal upgrades needed for East Ruthville - SW Minot 24-mile 115 kV line.	12/31/2019		6/1/2018	655655	EASTRUTH-CP7	655657	SWMINOT-CP7	1	115			187
200456	42223	61895	CPEC	Regional Reliability	\$ 1,035,000	Install any terminal upgrades needed for East Ruthville - SW Minot 24-mile 115 kV line.	12/31/2019		6/1/2018	30				1	115			115
200452	51236	71926	WAPA	Regional Reliability	\$ 4,300,000	substations.	9/1/2019			655454	ROBERTS CO 7			1	115			
200452	51236	71927	WAPA	Regional Reliability	\$ 1,200,000	equipment at Roberts County substation.	9/30/2019		6/1/2018	655361	ROBERTSCO-E88	655454	ROBERTS CO 7	1	115			50
200451	51237	71928	KCPCL	Regional Reliability	\$ 147,500	Category P5 Event 5 violations.	6/1/2018			542968	STILWEL7	542969	STLWELS	1	345			
	51239	71933	NPPD	Interconnection	\$ 4,700,000	Interconnection Customer Interconnection Facilities. Work to include line switch, dead-	10/1/2020			640503	HOLT.CO3 345.00			1	345			
	51239	71934	NPPD	Interconnection	\$ 5,900,000	terminal, four (4) 345 kV circuit breakers, control panel, disconnect switches, and all	11/1/2019			640503	HOLT.CO3 345.00			1	345			
	51240	71935	NPPD	Interconnection	\$ 16,700,000	Interconnection Customer Interconnection Facilities. Work to include line switch, dead-	11/1/2019			640226	HOSKINS3			1	345			16
	51240	71936	NPPD	Interconnection	\$ 4,600,000	terminal, four (4) 345 kV circuit breakers, control panel, disconnect switches, and all	11/1/2019			640226	HOSKINS3			1	345			
	51240	71937	TBD	Interconnection	\$ 50,000	at Raun and adjust relay settings. This will increase MidAmerican Energy Company	10/1/2019			635200	RAUN 3	645451	S3451 3	1	345			
200450	51236	71938	ERIC	Regional Reliability	\$ 603,000	being constructed by Western Area Power Administration (refer to NTC No. 200452,	9/1/2019	6/1/2018		655361	ROBERTSCO-E88	655303	SISSETON-E88	1	69		1.5	
	51241	71939	SEPC	Interconnection	\$ 1,276,522	line relaying, one (1) 2000A circuit breaker, communications, control panel	4/15/2019			531424	JOHNCR 3			1	115			
200446	42233	71945	AEP	Regional Reliability	\$ 5,714,095	Reconductor Broken Arrow - Lynn Lane East 7.2-mile 138 kV line	1/1/2020	6/1/2018	6/1/2018	509786	BAN-STC 4	509804	LLANETP4	1	138		7.13	
200455	51246	71949	SPS	Regional Reliability	\$ 257,295	Install terminal upgrades on the Nichols - Amarillo 230 kV circuit at Nichols.		12/1/2018		524044	NICHOLS 6	524415	AMA SOUTH 6	1	230			498/547
200466	51249	71954	WR	Regional Reliability	\$ 1,467,084	Reconductor 4 miles of 69 kV transmission line from City of Winfield to Rainbow.		6/1/2021	6/1/2021					1	69		4	
200466	51249	71955	WR	Regional Reliability	\$ 1,870,532	Reconductor 5.1 miles of 69 kV transmission line from Oak to Rainbow.		6/1/2021	6/1/2021					1	69		5.1	
200466	51252	71958	WR	Regional Reliability	\$ 2,961,462	Upgrade Creswell (CRSW TX-1) 138/69/13.2 kV transformer to 150/165 MVA.		6/1/2021	6/1/2021					1	138			
200466	51252	71959	WR	Regional Reliability	\$ 2,961,462	Upgrade Creswell (CRSW TX-2) 138/69/13.2 kV transformer to 150/165 MVA.		6/1/2021	6/1/2021					1	138			
200455	41199	71960	SPS	Regional Reliability	\$ 9,114,440	Rebuild 10.83-mile 115 kV line from Etter to Moore.		6/1/2018	6/1/2018	523308	MOORE E 3	523256	ETTER 3	1	115		10.83	240
200454	51253	71961	NIPCO	Regional Reliability	\$ 710,000	Install 69 kV breakers needed to close in the L-10 Southern to North Oakland 69 kV line	7/1/2019		6/1/2018					1	69			
200454	51253	71962	NIPCO	Regional Reliability	\$ 1,220,000	Build new 69 kV switching station to replace the K-116 switch	7/1/2019		6/1/2018					1	69			
200460	51254	71963	NPPD	Regional Reliability	\$ 12,692,888	substation approximately 1 mile from Moore. Install any necessary 345 kV terminal	4/1/2020		12/1/2020					1	345		0.2	
200460	51254	71964	NPPD	Regional Reliability	\$ 5,179,657	Add a new 345/115 kV ckt 1 transformer at Monolith substation.	4/1/2020		12/1/2020					1	345			
200460	51254	71965	NPPD	Regional Reliability	\$ 5,179,657	Add a new 345/115 kV ckt 2 transformer at Monolith substation.	4/1/2020		12/1/2020					2	345			
200460	51254	71966	NPPD	Regional Reliability	\$ 11,271,233	115 kV sub.	4/1/2020		12/1/2020					1	115			
200460	51254	71967	NPPD	Regional Reliability	\$ 1,273,506	Build new 1 mile, 115 kV line from Sheldon to Monolith.	4/1/2020		12/1/2020					1	115		1	
200460	51254	71968	NPPD	Regional Reliability	\$ 3,703,266	achieve Sheldon - Monolith 115 kV line rating of no less than 400/400 MVA	4/1/2020		12/1/2020					1	115			
	51261	71980	NPPD	Interconnection	\$ 800,000	terminal, line switches, dead end structure, line relaying, communications, revenue	11/1/2019			24				1	115			
	51261	71981	NPPD	Interconnection	\$ 5,300,000	(3) line terminals, three (3) 2000 continuous ampacity breakers, cut in transmission line	11/1/2019			24				1	115			
	51261	71982	NPPD	Interconnection	\$ 1,700,000	MVA	11/1/2019			24				1	115			107
	51261	71983	NPPD	Interconnection	\$ 900,000	NPPD Beatrice Harbine 115kV circuit #1; uprate Beatrice Harbine to at least 102 MVA	11/1/2019			24	640076	BEATRCE7	640208	HARBINE7	1	115		102
	51262	71984	NPPD	Interconnection	\$ 700,000	line switches, dead end structure, line relaying, protection, controls, communications,	1/1/2019			14				1	345			
	51262	71985	NPPD	Interconnection	\$ 11,700,000	line terminals, five (5) 3000 continuous ampacity breakers, cut in transmission line and	1/1/2019			14				1	345			
	51276	72002	WR	Interconnection	\$ 600,000	operating) line terminal, line switches, dead end structure, line relaying,	9/1/2018							1	230			
	51276	72003	WR	Interconnection	\$ 2,155,752	operating) 3000 continuous ampacity breakers, cut in transmission line and re-	9/1/2018							1	230			