

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In Service Date	RTO Determined Need Date	Project Status	Project Description /Comments	Volages (kV)
Line - Curry - Bailey 115kV	Curry County Interchange - Curry County Interchange 115 kV Ckt 1	Regional Reliability	9/29/2016	6/1/2012	COMPLETE	Build 40 miles of 115 kV transmission line between Bailey County and Curry County.	115
XFR - Happy County 115/69 kV Transformers	HAPPY INTERCHANGE 115/69KV TRANSFORMER Ckt 1	Regional Reliability	1/8/2016	6/1/2012	COMPLETE	Upgrade Happy County 115/69 kV Transformer #1 to 84/96 MVA	115/69
XFR - Happy County 115/69 kV Transformers	HAPPY INTERCHANGE 115/69KV TRANSFORMER Ckt 2	Regional Reliability	3/20/2016	6/1/2012	COMPLETE	Upgrade Happy County 115/69 kV Transformer #2 to 84/96 MVA	115/69
XFR - Newhart 230/115 kV Ckt 2	Newhart 230/115 kV Ckt 2 Transformer	Regional Reliability	12/2/2016	6/1/2015	COMPLETE	Add second 230/115 kV 250 MVA transformer at Newhart substation.	230/115
Line - Carlisle - Wolforth 230 kV	Carlisle Interchange - Wolforth Interchange 230 kV Ckt 1	Regional Reliability	3/27/2018	6/1/2017	DELAY - MITIGATION	Build new 16.8-mile 230 kV line from Carlisle to Wolforth South and install necessary terminal equipment.	230
Sub - East Plant 115 kV Terminal Upgrade	East Plant 115 kV Terminal Upgrade	Regional Reliability	6/1/2017	6/1/2017	DELAY - MITIGATION	Replace CT at East Plant 115 kV substation to increase the rating of the 115 kV line from East Plant to Manhattan.	115
XFR - Eddy Co. 230/115 kV Transformer Ckt 1	Eddy County Interchange 230/115 kV Transformer Ckt 1	Regional Reliability	3/31/2017	6/1/2016	DELAY - MITIGATION	Upgrade Eddy County 230/115 kV transformer Ckt 1 to 250 MVA.	230/115
Line - Portales - Zodiac 69 kV to 115 kV Conversion	PORTALES INTERCHANGE - ZODIAC 115KV Ckt 1	Regional Reliability	11/30/2015	6/1/2013	COMPLETE	Convert existing 3 mile Portales Interchange - Zodiac 69 kV line to operate at 115 kV.	115
Sub - Convert Muleshoe East 69 kV to 115 kV	Convert Muleshoe 69 kV to 115 kV	Regional Reliability	12/18/2015	6/1/2012	COMPLETE	Tap Bailey County Interchange - Plant X 115 kV line and convert Muleshoe East substation to 115 kV operation.	115
XFR - Graham 115/69 kV Ckt 1	Graham Interchange 115/69 kV Transformer Ckt 1	Regional Reliability	12/29/2015	6/1/2014	COMPLETE	Upgrade Graham 115/69 kV transformer Ckt 1 to 84 MVA.	115/69
Multi - Centre St. - Hereford NE 115 kV Ckt 1 and Centre St. and Hereford 115 kV Load Conversion	Centre St. - Hereford NE 115 kV Ckt 1	Regional Reliability	3/30/2018	6/1/2014	DELAY - MITIGATION	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.	115
Line - Randall - South Georgia and Osage Station 115 kV Line Re-termination	Randall County Interchange - South Georgia Interchange 115 kV Ckt 1	Regional Reliability	4/19/2017	6/1/2016	DELAY - MITIGATION	Construct approximately 2 miles of new 115 kV line from Randall Co. Interchange towards Osage Substation connecting to South Georgia line. Tie new 115 kV line into existing circuit V70 near Osage Substation. Reconfigure the 115 kV transmission lines around Osage Substation: remove circuit V04 termination from Osage Substation and remove circuit back to Manhattan Tap (remove 3- terminal condition); remove circuits V67 and V05 terminations from Osage Substation and tie them together around Osage Substation; leave only circuits V43 and T75 terminated at the Osage Substation. Add new 115 kV terminal at Randall Co. Interchange and rebuild Randall 115 kV bus to breaker and one-half design. Upgrade terminal equipment and reset relays at South Georgia Interchange.	115
XFR - Grassland 230/115 kV Transformer Ckt 1	Grassland Interchange 230/115 kV Transformer Ckt 1	Regional Reliability	2/19/2016	6/1/2013	COMPLETE	Upgrade Grassland 230/115 kV transformer Ckt 1 to 250 MVA.	230/115
XFR - Swisher 230/115 kV Ckt 1	Swisher County Interchange 230/115 kV Ckt 1	Regional Reliability	12/3/2015	6/1/2014	COMPLETE	Upgrade existing 230/115 kV transformer at Swisher to 250 MVA.	230/115
XFR - Crosby Co. 115/69 kV Transformers Ckt 1 and Ckt 2	Crosby County Interchange 115/69 kV Transformer Ckt 1	Regional Reliability	5/1/2015	6/1/2013	COMPLETE	Upgrade Crosby County 115/69 kV transformer Ckt 1 to 84 MVA.	115/69
XFR - Crosby Co. 115/69 kV Transformers Ckt 1 and Ckt 2	Crosby County Interchange 115/69 kV Transformer Ckt 2	Regional Reliability	9/10/2015	6/1/2013	COMPLETE	Upgrade Crosby County 115/69 kV transformer Ckt 2 to 84 MVA.	115/69
Line - Randall - South Georgia 115 kV reconductor	Randall County Interchange - South Georgia Interchange 115 kV Ckt 1 # 2	Regional Reliability	4/12/2017	6/1/2017	DELAY - MITIGATION	Reconductor 4.1 miles of 6.1-mile 115 kV line from Randall County to South Georgia.	115
Line - Soncy convert load to 115 kV	Soncy Tap 115 kV - New Soncy 115 kV	Regional Reliability	4/15/2019	6/1/2015	DELAY - MITIGATION	Convert 1.04 miles of 233 to 115 kV service by tapping the 115 kV line from Sunset Substation to Coulter Interchange at 1-40 & Soncy Street. At Soncy Sub split the converted 233 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.	115
Line - Allen Sub - Lubbock South Interchange 115 kV Ckt 1	Allen Substation - Lubbock South Interchange 115 kV Ckt 1	Regional Reliability	6/1/2019	6/1/2019	ON SCHEDULE < 4	Rebuild 6-mile 115 kV line from Lubbock South Interchange to Allen substation.	115

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Line - Canyon East - Randall 115 kV Ckt 1 Rebuild	Canyon East Sub - Randall County Interchange 115 kV Ckt 1 Rebuild	Regional Reliability	12/31/2020	2/1/2014	DELAY - MITIGATION	Rebuild 13.5-mile 4/0 segment of 115 kV line from Canyon East Sub to Randall County Interchange.	115
XFR - Hitchland 230/115 kV Ckt 2	Hitchland 230/115 kV Ckt 2 Transformer	Regional Reliability	3/29/2017	6/1/2019	ON SCHEDULE < 4	Add second 230/115 kV 250 MVA transformer at Hitchland.	230/115
XFR - Carlisle 230/115 kV Ckt 1	Carlisle 230/115 kV Ckt 1 Transformer	Regional Reliability	3/27/2018	10/1/2015	DELAY - MITIGATION	Upgrade 230/115 kV transformer at Carlisle.	230/115
Multi - Potter - Channing - Dallam 230 kV Conversion	Channing - Potter County 230 kV Ckt 1	Regional Reliability	12/31/2015	6/1/2013	COMPLETE	Convert 26 miles of 115 kV line from Channing to Potter to 230 kV and upgrade necessary terminal equipment at Potter.	230
Multi - Potter - Channing - Dallam 230 kV Conversion	Channing - XIT 230 kV Ckt 1	Regional Reliability	12/31/2015	6/1/2013	COMPLETE	Convert 35 miles of 115 kV line from Channing to new XIT substation (near Dallam) to 230 kV.	230
Multi - Potter - Channing - Dallam 230 kV Conversion	XIT 230/115/13.2 kV Transformer Ckt 1	Regional Reliability	12/31/2015	6/1/2013	COMPLETE	Install 230/115 kV transformer at XIT substation.	230/115
Device - Eagle Creek 115 kV	Eagle Creek 115 kV Cap Bank	High Priority	3/14/2016	6/1/2015	COMPLETE	Install 14.4 Mvar capacitor bank at Eagle Creek 115 kV bus.	115
Device - Crosby 115 kV Capacitor	Crosby 115 kV #2	Regional Reliability	11/4/2015	6/1/2012	COMPLETE	Install 14.4 Mvar capacitor at Crosby 115 kV.	115
Multi - Cedar Lake Interchange 115 kV	Diamondback Interchange 115/69 kV Transformer Ckt 1	Regional Reliability	8/14/2015	6/1/2012	COMPLETE	Install new 115/69 kV transformer at new Diamondback Interchange near Cedar Lake.	115/69
Multi - Cedar Lake Interchange 115 kV	Sulphur Interchange - Diamondback Interchange 115 kV Ckt 1	Regional Reliability	8/14/2015	6/1/2012	COMPLETE	Build 12 miles of new 115 kV line from Sulphur Interchange to Diamondback Interchange near Cedar Lake.	115
Multi - Tuco - Yoakum 345/230 kV Ckt 1	Tuco - Yoakum 345 kV Ckt 1	Regional Reliability	6/1/2020	6/1/2017	DELAY - MITIGATION	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.	345
Multi - Tuco - Yoakum 345/230 kV Ckt 1	Yoakum 345/230 kV Ckt 1 Transformer	Regional Reliability	6/15/2019	6/1/2017	DELAY - MITIGATION	Install new 345/230 kV 644 MVA transformer at Yoakum substation. Install any necessary 230 kV terminal equipment.	345/230
Multi - Hobbs - Yoakum 345/230 kV Ckt 1	Hobbs 345/230 kV Ckt 1 Transformer	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	Expand existing Hobbs substation to accommodate 345 kV terminals. Install 345/230 kV 644 MVA transformer at Hobbs.	345/230
Multi - Bowers - Howard 115 kV Ckt 1	Bowers - Howard 115 kV	Regional Reliability	2/28/2016	6/1/2013	COMPLETE	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.	115
Multi - Hobbs - Yoakum 345/230 kV Ckt 1	Hobbs - Yoakum 345 kV Ckt 1	High Priority	6/15/2020	6/1/2020	DELAY - MITIGATION	Construct new 52-mile 345 kV line from Hobbs to Yoakum.	345
Line - Bowers - Canadian 69 kV Rebuild	Bowers - Canadian 69 kV Rebuild	Regional Reliability	1/15/2016	6/1/2012	COMPLETE	Rebuild 49-mile 69 kV line between Bowers and Canadian with 795 ACSR conductor.	69
Line - Bushland Interchange - Deaf Smith County Interchange 230 kV Ckt 1 Terminal Upgrade	Bushland Interchange - Deaf Smith Co Interchange 230 kV Ckt 1 Terminal Upgrade	Regional Reliability	12/15/2017	2/1/2014	DELAY - MITIGATION	Upgrade 800 Amp wave trap at both Bushland Interchange and Deaf Smith Interchange.	230
XFR - Deaf Smith County Interchange 230/115 kV Transformer Ckt 1 #2	Deaf Smith County Interchange 230/115 kV Transformer Ckt 1 #2	Regional Reliability	2/25/2016	6/1/2012	COMPLETE	Upgrade Deaf Smith County Interchange 230/115 kV Ckt 1 transformer to 250 MVA.	230/115
XFR - Deaf Smith County Interchange 230/115 kV Ckt 2	Deaf Smith County Interchange 230/115 kV Transformer Ckt 2	Regional Reliability	5/12/2016	6/1/2013	COMPLETE	Upgrade Deaf Smith Interchange 230/115 kV transformer Ckt 2 to 250 MVA.	230/115
Line - Ochiltree - Tri-County Cole 115 kV Ckt 1	Ochiltree - Tri-County REC Cole 115 kV Ckt 1 Rebuild	Regional Reliability	11/20/2015	6/1/2013	COMPLETE	Rebuild 16.9-mile 115 kV line from Ochiltree to Tri-County REC Cole Ckt 1.	115
Device - Cochran 115 kV Cap Bank	Cochran 115 kV Cap Bank	Regional Reliability	11/15/2018	6/1/2016	DELAY - MITIGATION	Install 28.8-MVAR capacitor bank at Cochran 115 kV (two 14.4-MVAR stages).	115
Line - Atoka - Eagle Creek 115 kV Ckt 1	Atoka - Eagle Creek 115 kV Ckt 1	Regional Reliability	12/31/2018	6/1/2015	DELAY - MITIGATION	Build new 12-mile 115 kV line from Atoka to Eagle Creek and install necessary terminal equipment.	115
XFR - Potash Junction 115/69 kV Ckt 1	Potash Junction 115/69 kV Transformer Ckt 1	Regional Reliability	8/7/2015	6/1/2013	COMPLETE	Upgrade Potash Junction 115/69 kV transformer Ckt 1 to 84 MVA.	115/69
Multi - Kilgore Switch - South Portales - Market St. - Portales 115 kV	Kilgore Switch - South Portales 115 kV Ckt 1	Regional Reliability	2/7/2018	6/1/2018	ON SCHEDULE < 4	Build new 5.3-mile 115 kV line from the switching station east of Kilgore substation to South Portales and install necessary terminal equipment.	115
Multi - Kilgore Switch - South Portales - Market St. - Portales 115 kV	Market St. - South Portales 115 kV Ckt 1	Regional Reliability	7/13/2018	6/1/2018	DELAY - MITIGATION	Build new 6-mile 115 kV line from South Portales to Market St. and install necessary terminal equipment.	115
Multi - Kilgore Switch - South Portales - Market St. - Portales 115 kV	Market St. - Portales 115 kV Ckt 1	Regional Reliability	2/7/2018	6/1/2018	ON SCHEDULE < 4	Build new 10.4-mile 115 kV line from Market St. to Portales and install necessary terminal equipment.	115
Line - Canyon East Sub - Canyon West Sub 115 kV Ckt 1	Canyon East Sub - Canyon West Sub 115 kV Ckt 1 Rebuild	Regional Reliability	5/18/2016	2/1/2014	DELAY - MITIGATION	Rebuild 3.73-mile 115 kV line from Canyon East Sub to Canyon West Sub.	115
Line - Mustang - Shell CO2 115 kV Ckt 1	Mustang - Shell CO2 115 kV Ckt 1	Transmission Service	12/15/2019	6/1/2015	DELAY - MITIGATION	Construct new 7.7-mile 115 kV line from Mustang to Shell CO2.	115

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
XFR - Potash Junction 230/115 kV Transformer Upgrade	Potash Junction 230/115 kV Transformer Upgrade	Regional Reliability	3/15/2022	6/1/2021	DELAY - MITIGATION	Upgrade 230/115 kV transformer at Potash Junction.	230/115
Line - Oxy Permian Sub - West Bender Sub 115 kV Ckt 1	Oxy Permian Sub - West Bender Sub 115 kV Ckt 1 Rebuild	Regional Reliability	10/28/2016	6/1/2018	ON SCHEDULE < 4	Rebuild 0.5-mile 115 kV line from Oxy Permian Sub to West Bender Sub.	115
Quahada Switching Station 115 kV	Quahada Switching Station 115 kV	Regional Reliability	7/9/2015	6/1/2015	COMPLETE	Install 4-breaker ring bus at Quahada to connect the 115 kV lines from Cunningham to PCA Interchange and Lea National to Maljamar.	115
Multi - Potash Junction - Road Runner 230/115 kV Ckt 1	Potash Junction - Road Runner 230 kV Ckt 1	High Priority	10/27/2015	6/1/2015	COMPLETE	Construct new 40-mile 345 kV line operated at 230 kV from Potash Junction to Road Runner.	230
Multi - Potash Junction - Road Runner 230/115 kV Ckt 1	Road Runner 230/115 kV Substation	High Priority	10/27/2015	6/1/2015	COMPLETE	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.	230/115
Line - Chavis - Price - CV Pines - Captain 115 kV Ckt 1	Chaves - Price 115 kV Ckt 1 Rebuild	Regional Reliability	1/31/2018	6/1/2017	DELAY - MITIGATION	Rebuild 5-mile 69 kV line from Chaves to Price converting to 115 kV. Install any necessary terminal equipment at Chaves.	115
Line - Chavis - Price - CV Pines - Captain 115 kV Ckt 1	CV Pines - Price 115 kV Ckt 1 Rebuild	Regional Reliability	1/31/2018	6/1/2017	DELAY - MITIGATION	Rebuild 3-mile 69 kV line from CV Pines to Price converting to 115 kV.	115
Line - Chavis - Price - CV Pines - Captain 115 kV Ckt 1	Captain - CV Pines 115 kV Ckt 1 Rebuild	Regional Reliability	1/31/2018	6/1/2017	DELAY - MITIGATION	Rebuild 5-mile 69 kV line from Captain to CV Pines converting to 115 kV.	115
Multi - Bailey Co. - Lamb Co. 115 kV	Bailey Co. - Bailey Co. Pump 115 kV Ckt 1	Regional Reliability	6/15/2021	6/1/2016	DELAY - MITIGATION	Build new 9.4-mile 115 kV line from Bailey Co. to Bailey Co. Pump. Install any necessary terminal equipment at Bailey Co.	115
Multi - Bailey Co. - Lamb Co. 115 kV	Bailey Co. Pump - Sundan Rural 115 kV Ckt 1	Regional Reliability	6/15/2021	6/1/2016	DELAY - MITIGATION	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.	115
Multi - Bailey Co. - Lamb Co. 115 kV	New Amherst 116/69 kV Ckt 1 Transformer	Regional Reliability	4/15/2021	6/1/2016	DELAY - MITIGATION	Install new 115/69 kV 84 MVA transformer at New Amherst. Install any necessary 69 kV terminal equipment.	115/69
Multi - Bailey Co. - Lamb Co. 115 kV	New Amherst - Sudan Rural 115 kV Ckt 1	Regional Reliability	11/15/2021	6/1/2016	DELAY - MITIGATION	Build new 8.6-mile 115 kV line from New Amherst to Sudan Rural.	115
Multi - Bailey Co. - Lamb Co. 115 kV	New Amherst 115 kV Terminal Upgrades Ckt 1	Regional Reliability	11/15/2021	6/1/2016	DELAY - MITIGATION	Install 115 kV terminal equipment at New Amherst to accommodate new 115/69 kV transformer.	115
Multi - Bailey Co. - Lamb Co. 115 kV	Lamb Co. - New Amherst 115 kV Ckt 1	Regional Reliability	3/15/2022	6/1/2016	DELAY - MITIGATION	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.	115
Multi - Bailey Co. - Lamb Co. 115 kV	West Littlefield - West Littlefield Tap 115 kV Ckt 1	Regional Reliability	5/15/2021	6/1/2016	DELAY - MITIGATION	Tap the existing 115 kV line from Lamb Co. to Plant X at a location approximately 0.6 miles to the west of the West Littlefield substation to construct new West Littlefield Tap substation. Install three-way switch at new West Littlefield Tap substation. Install new 0.6-mile 115 kV line from West Littlefield to new West Littlefield Tap substation.	115
Multi - Centre St. - Hereford NE 115 kV Ckt 1 and Centre St. and Hereford 115 kV Load Conversion	Hereford 115 kV Load Conversion	Regional Reliability	12/15/2016	6/1/2014	DELAY - MITIGATION	Convert distribution transformer high side at Hereford from 69 kV to 115 kV.	115
Sub - Curry County 115 kV	Curry County Interchange 115 kV	Regional Reliability	4/30/2018	6/1/2018	ON SCHEDULE < 4	Install two 115 kV breakers at Curry County Interchange to convert the high side of the Curry County distribution transformer to 115 kV.	115
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	China Draw - North Loving 345 kV Ckt 1	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Construct new 182-mile 345 kV line from North Loving to China Draw.	345
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	Kiowa - North Loving 345 kV Ckt 1	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Construct new 20.4-mile 345 kV line from new Kiowa substation to North Loving.	345
XFR - Potash Junction 230/115 kV Ckt 1	Potash Junction 230/115 kV Ckt 1	High Priority	4/15/2016	6/1/2015	COMPLETE	Upgrade 230/115 kV transformer at Potash Junction to 250 MVA.	230/115
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	China Draw 345/115 kV Ckt 1 Transformer	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	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.	345/115
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	China Draw 345 kV Ckt 1 Terminal Upgrades	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Construct 345 kV ring bus, expandable to breaker and a half for 6 line or transformer terminals at China Draw.	345

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Volages (kV)
Multi - Hobbs - Kiowa 345 kV Ckt 1	Kiowa 345 kV Substation	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	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.	345
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	North Loving 345/115 kV Ckt 1 Transformer	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Install new 345/115 kV 448 MVA transformer at new North Loving substation. Install any necessary 115 kV terminal equipment.	345/115
Multi - Kiowa - North Loving - China Draw 345/115 kV Ckt 1	North Loving 345 kV Terminal Upgrades	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	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.	345
Multi - Potash Junction - Road Runner 345 kV Conv. and Transformers at Kiowa and Road Runner	Road Runner 345/115 kV Ckt 1 Transformer	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	Install new 345/115 kV 448 MVA transformer at new Road Runner substation. Install any necessary 115 kV terminal equipment.	345/115
Multi - Potash Junction - Road Runner 345 kV Conv. and Transformers at Kiowa and Road Runner	Road Runner 345 kV Substation Conversion	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	Convert 230 kV Road Runner substation to 345 kV. Install any necessary 345 kV terminal equipment.	345
Device - China Draw and Road Runner 115 kV SVC	China Draw 115 kV SVC	Regional Reliability	6/8/2016	4/1/2015	COMPLETE	Install new SVC at China Draw 115 kV substation with effective range of -50/+200 MVAR.	115
Multi - Potash Junction - Road Runner 345 kV Conv. and Transformers at Kiowa and Road Runner	Kiowa 345/115 kV Ckt 1 Transformer	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	Install 345/115 kV 448 MVA transformer at Kiowa substation.	345/115
Multi - China Draw - Yesso Hills 115 kV	China Draw - Yesso Hills 115 kV Ckt 1	High Priority	6/1/2021	6/1/2018	ON SCHEDULE < 4	Construct new 18.4-mile 115 kV line from China Draw to new Yesso Hills substation.	115
Line - Hopi Sub - North Loving - China Draw 115 kV Ckt 1	Hopi Sub - North Loving 115 kV Ckt 1	High Priority	5/25/2015	6/1/2015	COMPLETE	Construct new 9.5-mile 115 kV line from Hopi Sub to North Loving 115 kV.	115
Multi - Potash Junction - Road Runner 345 kV Conv. and Transformers at Kiowa and Road Runner	Kiowa - Potash Junction 345/115 kV Ckt 1	High Priority	4/30/2018	6/1/2018	ON SCHEDULE < 4	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.	345
Multi - Battle Axe - Road Runner 115 kV	Battle Axe - Road Runner 115 kV Ckt 1	High Priority	11/12/2015	6/1/2018	COMPLETE	Construct new 18.9-mile 115 kV line from Road Runner to Battle Axe.	115
Multi - Dollarhide - Toboso Flats 115 kV	Dollarhide - Toboso Flats 115 kV Ckt 1	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Construct new 7.4-mile 115 kV line from new Toboso Flats substation to Dollarhide.	115
Multi - Hobbs - Kiowa 345 kV Ckt 1	Hobbs - Kiowa 345 kV Ckt 1	High Priority	6/1/2018	6/1/2018	ON SCHEDULE < 4	Construct new 47.2-mile 345 kV line from Kiowa to Hobbs.	345
Multi - Ponderosa - Ponderosa Tap 115 kV	Ponderosa 115 kV Substation	High Priority	6/1/2017	6/1/2018	ON SCHEDULE < 4	Construct new 115 kV Ponderosa substation. Install any necessary 115 kV terminal equipment.	115
Multi - Ponderosa - Ponderosa Tap 115 kV	Ponderosa Tap 115 kV Substation	High Priority	6/1/2017	6/1/2018	ON SCHEDULE < 4	Tap the existing 115 kV line from Ochua to Whitten to construct new 115 kV Ponderosa Tap substation. Install any necessary 115 kV terminal equipment.	115
Multi - Andrews 230/115 kV Transformer and Andrews - NEF 115 kV Ckt 1	Andrews 230/115 kV Ckt 1 Transformer	High Priority	4/4/2016	6/1/2015	COMPLETE	Install two 230/115 kV 167 MVA transformers at Andrews substation for a combined emergency rating of 334 MVA. Install any necessary terminal equipment.	230/115
Multi - Andrews 230/115 kV Transformer and Andrews - NEF 115 kV Ckt 1	Andrews - NEF 115 kV Ckt 1	High Priority	4/4/2016	6/1/2015	COMPLETE	Construct new 2.1-mile 115 kV line from Andrews to National Enrichment Facility (NEF).	115
Line - Hopi Sub - North Loving - China Draw 115 kV Ckt 1	China Draw - North Loving 115 kV Ckt 1	High Priority	5/25/2015	6/1/2015	COMPLETE	Construct new 19.7-mile 115 kV line from North Loving to China Draw.	115
XFR - Plant X 230/115 kV Ckt 2	Plant X 230/115 kV Ckt 2 Transformer	Regional Reliability	11/14/2019	6/1/2022	ON SCHEDULE < 4	Install a second 230/115 kV transformer at Plant X.	230/115
XFR - Seminole 230/115 kV #1 and #2	Seminole 230/115 kV #1 Transformer	Economic	5/14/2019	6/1/2017	DELAY - MITIGATION	Replace first existing 230/115 transformer at Seminole.	230/115
XFR - Seminole 230/115 kV #1 and #2	Seminole 230/115 kV #2 Transformer	Economic	5/14/2019	6/1/2017	DELAY - MITIGATION	Replace second existing 230/115 transformer at Seminole.	230/115
XFR - Wolforth 230/115 kV Ckt 1 Transformer	Wolforth 230/115 kV Ckt 1 Transformer	Regional Reliability	6/1/2021	6/1/2021	ON SCHEDULE < 4	Replace 230/115 kV transformer at Wolforth substation.	230/115
Multi - Ponderosa - Ponderosa Tap 115 kV	Ponderosa - Ponderosa Tap 115 kV Ckt 1	High Priority	6/1/2017	6/1/2018	ON SCHEDULE < 4	Construct new 9.3-mile 115 kV line from new Ponderosa substation to new Ponderosa Tap substation.	115
Sub - Livingston Ridge 115 kV Substation Conversion	Livingston Ridge 115 kV Substation Conversion	Regional Reliability	11/30/2017	6/1/2017	DELAY - MITIGATION	Convert Livingston Ridge from 69 kV to 115 kV. Install any necessary 115 kV terminal equipment.	115
Multi - Livingston Ridge - Sage Brush - Cardinal 115 kV	Sage Brush 115 kV Substation	High Priority	12/16/2016	6/1/2018	ON SCHEDULE < 4	Construct new 115 kV Sage Brush substation with 3 ring bus configuration. Install any necessary 115 kV terminal equipment.	115

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Multi - Livingston Ridge - Sage Brush - Cardinal 115 kV	Livingston Ridge - Sage Brush 115 kV Ckt 1	High Priority	11/30/2017	6/1/2018	ON SCHEDULE < 4	Construct new 27-mile 115 kV line from Livingston Ridge to new Sage Brush substation.	115
Line - China Draw - Wood Draw 115 kV Ckt 1	China Draw - Wood Draw 115 kV Ckt 1	High Priority	6/15/2017	6/1/2018	ON SCHEDULE < 4	Construct new 14-mile 115 kV line from China Draw to Wood Draw.	115
Line - Northwest - Rolling Hills 115 kV Ckt 1	Northwest - Rolling Hills 115 kV Rebuild Ckt 1	Regional Reliability	6/1/2021	6/1/2021	ON SCHEDULE < 4	Rebuild 8.3-mile 115 kV line from Northwest to Rolling Hills.	115
Multi - Livingston Ridge - Sage Brush - Cardinal 115 kV	Cardinal 115 kV Substation	High Priority	12/15/2016	6/1/2018	ON SCHEDULE < 4	Construct new 115 kV Cardinal substation. Install any necessary 115 kV terminal equipment.	115
Multi - Road Runner 115 kV Loop Rebuild	IMC #1 Tap - Livingston Ridge 115 kV Ckt 1 Rebuild	Regional Reliability	4/15/2019	6/1/2015	DELAY - MITIGATION	Rebuild 9.5-mile 115 kV line from Livingston Ridge to IMC #1 Tap.	115
Line - Ochoa - Ponderosa Tap 115 kV Ckt 1 Rebuild	Ochoa - Ponderosa Tap 115 kV Ckt 1 Rebuild	Regional Reliability	6/1/2018	6/1/2018	ON SCHEDULE < 4	Rebuild 9.1-mile 115 kV line from Ochoa to Ponderosa Tap.	115
Multi - Road Runner 115 kV Loop Rebuild	Ponderosa Tap - Whitten 115 kV Ckt 1 Rebuild	Regional Reliability	1/26/2018	6/1/2015	DELAY - MITIGATION	Reconductor 5.9-mile 115 kV line from Ponderosa Tap to Whitten.	115
Multi - Road Runner 115 kV Loop Rebuild	Intrepid West - Potash Junction 115 kV Ckt 1 Rebuild	Regional Reliability	4/15/2019	6/1/2015	DELAY - MITIGATION	Rebuild 1.5-mile 115 kV line from Intrepid West Tap to Potash Junction.	115
Multi - Road Runner 115 kV Loop Rebuild	IMC #1 Tap - Intrepid West 115 kV Ckt 1 Rebuild	Regional Reliability	4/15/2018	6/1/2015	DELAY - MITIGATION	Rebuild 3.9-mile 115 kV line from Intrepid West Tap to IMC #2.	115
Multi - Livingston Ridge - Sage Brush - Cardinal 115 kV	Cardinal - Sage Brush 115 kV Ckt 1	High Priority	12/15/2016	6/1/2018	ON SCHEDULE < 4	Construct new 19-mile 115 kV line from Cardinal to Sage Brush.	115
Multi - Battle Axe - Road Runner 115 kV	Battle Axe 115 kV Substation	High Priority	12/4/2015	6/1/2018	COMPLETE	Construct new 115 kV Battle Axe substation. Install any necessary 115 kV terminal equipment.	115
Multi - China Draw - Yeso Hills 115 kV	Yeso Hills 115 kV Substation	High Priority	6/1/2021	6/1/2018	ON SCHEDULE < 4	Construct new 115 kV Yeso Hills substation. Install any necessary 115 kV terminal equipment.	115
XFR - Tuco 230/115 kV Ckt 1	Tuco 230/115 kV Ckt 1 Transformer	Transmission Service	6/1/2018	6/1/2018	ON SCHEDULE < 4	Upgrade 230/115 kV transformer at Tuco to 288 MVA.	230/115
XFR - Yoakum County Interchange 230/115 kV Ckts 1 and 2	Yoakum County Interchange 230/115 kV Ckt 1 Transformer	Transmission Service	3/15/2019	6/1/2019	ON SCHEDULE < 4	Upgrade Yoakum County Interchange Ckt 1 230/115 kV transformer to 250 MVA.	230/115
XFR - Yoakum County Interchange 230/115 kV Ckts 1 and 2	Yoakum County Interchange 230/115 kV Ckt 2 Transformer	Regional Reliability	5/31/2019	6/1/2019	ON SCHEDULE < 4	Upgrade Yoakum County Interchange Ckt 2 230/115 kV transformer to 250 MVA.	230/115
Line - Canyon West - Dawn - Deaf Smith 115 kV Ckt 1 Rebuild	Canyon West - Dawn 115 kV Ckt 1 Rebuild	Regional Reliability	3/9/2018	6/1/2017	DELAY - MITIGATION	Rebuild 13.7-mile 115 kV line from Canyon West to Dawn.	115
Line - Canyon West - Dawn - Panda - Deaf Smith 115 kV Ckt 1 Rebuild	Dawn - Panda 115 kV Ckt 1 Rebuild	Regional Reliability	6/1/2018	6/1/2017	DELAY - MITIGATION	Rebuild 8.4-mile 115 kV line from Dawn to Panda.	115
Line - Canyon West - Dawn - Panda - Deaf Smith 115 kV Ckt 1 Rebuild	Deaf Smith - Panda 115 kV Ckt 1 Rebuild	Regional Reliability	12/15/2018	6/1/2017	DELAY - MITIGATION	Rebuild 3.5-mile 115 kV line from Deaf Smith to Panda.	115
Carlisle Interchange - Tuco Interchange 230 kV Ckt 1 Terminal Upgrade	Carlisle Interchange - Tuco Interchange 230 kV Ckt 1 Terminal Upgrade	Transmission Service	9/1/2016	10/1/2015	DELAY - MITIGATION	Replace the wave trap at Carlisle substation. Replace the wave trap on the Carlisle line terminal at Tuco substation.	230
Multi - Road Runner 115 kV Loop Rebuild	Byrd Tap - Monument Tap 115 kV Ckt 1 Rebuild	Regional Reliability	11/16/2018	6/1/2015	DELAY - MITIGATION	Rebuild 3.8-mile 115 kV line from Monument Tap to Byrd Tap.	115
Device - China Draw and Road Runner 115 kV SVC	Road Runner 115 kV SVC	Regional Reliability	4/1/2016	4/1/2015	COMPLETE	Install new SVC at Road Runner 115 kV substation with effective range of -50/+200 MVAR.	115
Sub - Amoco - Sundown 230 kV Terminal Upgrades	Amoco - Sundown 230 kV Terminal Upgrades	Economic	12/14/2018	1/1/2019	ON SCHEDULE < 4	Upgrade switches and wave traps at Sundown and Amoco and increase the line clearance to increase the rating of the 230 kV line from Amoco to Sundown.	230
Device - Plains Interchange 115 kV Cap Bank	Plains Interchange 115 kV Cap Bank	Regional Reliability	3/31/2018	6/1/2019	ON SCHEDULE < 4	Install one (1) 14.4-MVAR capacitor bank at the Plains Interchange 115 kV substation.	115
Sub - Anarillo South 230 kV Terminal Upgrades	Anarillo South 230 kV Terminal Upgrades	Regional Reliability	4/1/2020	4/1/2020	ON SCHEDULE < 4	Replace wave trap at Anarillo South to increase the rating of the 230 kV line from Anarillo South to Swisher County.	230
Line - PCA Interchange - Quahada 115 kV Ckt 1 Rebuild	PCA Interchange - Quahada 115 kV Ckt 1 Rebuild	Regional Reliability	2/25/2017	6/1/2016	DELAY - MITIGATION	Rebuild 11.1-mile 115 kV line from PCA Interchange to Quahada.	115
XFR - Lynn County 115/69 kV Ckt 1 Transformer	Lynn County 115/69 kV Ckt 1 Transformer	Regional Reliability	6/1/2019	6/1/2019	ON SCHEDULE < 4	Replace 115/69 kV transformer at Lynn County substation.	115/69
Device - Cargill 115 kV Cap Bank	Cargill 115 kV Cap Bank	Regional Reliability	11/30/2018	6/1/2019	ON SCHEDULE < 4	Install one (1) 14.4-MVAR capacitor bank at Cargill 115 kV substation.	115
Multi - Walkemeyer Tap - Walkemeyer 345/115 kV	Stevens Co. 345 kV Substation	Regional Reliability	6/1/2018	6/1/2015	DELAY - MITIGATION	Tap the existing 345 kV line from Fimney to Hitchland to construct the new Stevens Co. substation. Install any necessary 345 kV terminal equipment.	345

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Multi - RIAC 115 kV Voltage Conversion	RIAC 115 kV Voltage Conversion	Regional Reliability	11/30/2018	6/1/2015	DELAY - MITIGATION	Convert RIAC substation to 115 kV. Install a new 3-way 115 kV line switch tapping the 115 kV line from Brasher to Roswell Interchange. Remove the existing 69 kV transmission lines terminating at RIAC and rebuild the 4.5-mile 69 kV 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.	115
Multi - Road Runner 115 kV Loop Rebuild	Cardinal - Targa 115 kV Ckt 1 Rebuild	Regional Reliability	1/31/2018	6/1/2015	DELAY - MITIGATION	Rebuild 3-mile 115 kV line from Cardinal to Targa.	115
Multi - Road Runner 115 kV Loop Rebuild	National Enrichment Plant - Targa 115 kV Ckt 1	Regional Reliability	12/15/2018	6/1/2015	DELAY - MITIGATION	Rebuild 4.3-mile 115 kV line from National Enrichment Plant to Targa.	115
XFR - Lynn County 115/69 kV Ckt 1 Transformer	Lynn County 115 kV Terminal Upgrades	Regional Reliability	6/1/2019	6/1/2019	ON SCHEDULE < 4	Install 115 kV terminal equipment at Lynn County substation necessary to replace 115/69 kV transformer.	115
Line - Byrd Tap - Cooper Ranch - Oil Center - Lea Road 115 kV Ckt 1 Rebuild	Cooper Ranch - Oil Center 115 kV Ckt 1 Rebuild	Regional Reliability	6/15/2021	6/1/2021	DELAY - MITIGATION	Rebuild 3.5-mile 115 kV line from Cooper Ranch to Oil Center.	
Line - Byrd Tap - Cooper Ranch - Oil Center - Lea Road 115 kV Ckt 1 Rebuild	Byrd Tap - Cooper Ranch 115 kV Ckt 1 Rebuild	Regional Reliability	6/15/2021	6/1/2021	DELAY - MITIGATION	Rebuild 4.9-mile 115 kV line from Byrd Tap to Cooper Ranch.	
Sub - Crosby County Interchange - Floyd County Interchange 115kV Ckt 1	Crosby County Interchange - Floyd County Interchange 115kV Ckt 1	Generation Interconnection	11/6/2017		ON SCHEDULE < 4	New Transmission Owner 115kV Switching station: Construct a new three (3) breaker 115 kV ring bus station and install the following equipment to interconnect interconnection Customer's Generating Facility, Disturbance Monitoring Device, 3 Breaker 115 kV Ring Substation, Right of Way; Crosby County - Floyd County (Circuit T-65); Work to tap and pull into and out of new Transmission Owner Switching Station; New Transmission Owner Switching Station - Crosby County 115 kV; Replace existing static from new Transmission Owner Switching Station to Crosby County with fiber optic static; Crosby County 115 kV; Upgrade 115 kV terminal at Crosby County; Floyd County 115 kV; Upgrades 115 kV terminal at Crosby County.	115
SUB - Castro County 115kV - add terminal for GEN-2014-040	Castro County 115kV - add terminal for GEN-2014-040	Generation Interconnection	11/14/2016		ON SCHEDULE < 4	Install one (1) new 115kV line terminal to accept 115kV transmission line from GEN-2014-040 Generating Facility, including all main 4" aluminum tubing bus conductor and associated equipment.	
Line - Cochran - Whiteface Tap 69 kV Ckt 1 Rebuild	Cochran - Whiteface Tap 69 kV Ckt 1 Rebuild	Regional Reliability	11/15/2018	6/1/2016	DELAY - MITIGATION	Rebuild 4.5-mile 69 kV line from Cochran to Whiteface Tap to 115 kV standards (operated at 69 kV).	
Sub - Hitchland 345kV GEN-2010-014 Addition	Hitchland 345kV Substation GEN-2010-014 Addition (TOIF)	Generation Interconnection	12/14/2017		ON SCHEDULE < 4	Add 345 kV Line Terminal; Communications; Revenue Metering; 345kV Line Arrestors	
Sub - Hitchland 345kV GEN-2010-014 Addition	Hitchland 345kV Substation GEN-2010-014 Addition (NU)	Generation Interconnection	12/14/2017		ON SCHEDULE < 4	Build 345 kV Line Terminal; 345 kV Line Terminal for GEN-2010-014; Transmission Line Work; Right-Of-Way	
Sub - Hitchland 345kV GEN-2011-022 Addition	Hitchland 345kV GEN-2011-022 Addition (TOIF)	Generation Interconnection	10/13/2017		ON SCHEDULE < 4	SPS 345kV Hitchland Interchange Substation; Communications; Revenue Metering; 345kV line Arrestors	
Sub - Hitchland 345kV GEN-2011-022 Addition	Hitchland 345kV GEN-2011-022 Addition (NU)	Generation Interconnection	10/13/2017		ON SCHEDULE < 4	Interconnection Equipment to accommodate Interconnection request: Transmission Line Work & R.O.W.; 345kV Line Terminal for Wind Farm GEN-2011-022	
Line - Cunningham - Monument Tap 115 kV Ckt 1 Rebuild	Cunningham - Monument Tap 115 kV Ckt 1 Rebuild	Regional Reliability	6/15/2021	6/1/2021	DELAY - MITIGATION	Rebuild 6.5-mile 115 kV line from Cunningham to Monument Tap.	115
Line - Byrd Tap - Cooper Ranch - Oil Center - Lea Road 115 kV Ckt 1 Rebuild	Lea Road - Oil Center 115 kV Ckt 1 Rebuild	Regional Reliability	6/15/2021	6/1/2021	DELAY - MITIGATION	Rebuild 3.1-mile 115 kV line from Lea Road to Oil Center.	115
Sub - Eddy Co. 230 kV Bus Tie	Eddy Co. 230 kV Bus Tie	Transmission Service	11/30/2019	10/1/2017	DELAY - MITIGATION	Reconfigure 230 kV bus tie at Eddy Co. substation to convert to a double bus and breaker scheme.	
Sub - Potash Junction 230 kV Terminal Upgrade	Potash Junction 230 kV Terminal Upgrade	Regional Reliability	6/1/2018	6/1/2018	ON SCHEDULE < 4	Replace wavetrap at Potash Junction 230 kV substation.	230
Line - Jal - Teague 115 kV Ckt 1 Rebuild	Jal - Teague 115 kV Ckt 1 Rebuild	Regional Reliability	12/15/2018	6/1/2021	ON SCHEDULE > 4	Rebuild 10.3-mile 115 kV line from Jal to Teague.	115
Line - National Enrichment Plant - Teague 115 kV Ckt 1 Rebuild	National Enrichment Plant - Teague 115 kV Ckt 1 Rebuild	Regional Reliability	12/15/2018	6/1/2018	DELAY - MITIGATION	Rebuild 6.8-mile 115 kV line from National Enrichment Plant to Teague.	115

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Sub - Hobbs - Yoakum Tap 230 kV Substation and Transformer	Hobbs - Yoakum Tap 230 kV Substation	Economic	12/15/2019	6/1/2017	DELAY - MITIGATION	Tap the existing 230 kV line from Hobbs to Yoakum and the existing 115 kV line from Alfred Tap to Waits. Terminate all four end points into new substation.	230/115
Sub - Hobbs - Yoakum Tap 230 kV Substation and Transformer	Hobbs - Yoakum Tap 230/115 kV Transformer	Economic	12/15/2019	6/1/2017	DELAY - MITIGATION	Install 230/115 kV transformer at new Hobbs - Yoakum Tap substation.	230/115
Sub - Potter Co. - Harrington 230 kV Terminal Upgrades	Potter Co. - Harrington 230 kV Terminal Upgrades	Regional Reliability	6/1/2019	6/1/2019	ON SCHEDULE < 4	Upgrade terminal equipment at both Potter Co. and Harrington 230 kV substations.	230
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Agave Red Hills - Road Runner 115 kV Ckt 1 New Line	Regional Reliability	3/20/2017	4/1/2020	ON SCHEDULE < 4	Construct new 115 kV line from Agave Red Hills to Road Runner.	115
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Ochoa - Road Runner 115 kV Ckt 1 New Line	Regional Reliability	3/20/2017	4/1/2020	ON SCHEDULE < 4	Construct new 115 kV line from Ochoa to Road Runner.	115
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Custer Mountain - Road Runner 115 kV Ckt 1 New Line	Regional Reliability	4/28/2017	4/1/2020	ON SCHEDULE < 4	Add new 1-mile segment to existing 115 kV line from Custer Mountain to Ochoa, re-terminating at Road Runner.	115
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Road Runner 115 kV Terminal Upgrades	Regional Reliability	3/28/2017	4/1/2020	ON SCHEDULE < 4	Install any terminal upgrades needed to accommodate new line terminals for Ochoa, Agave Red Hills, and Custer Mountain.	115
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Ochoa 115 kV Terminal Upgrades	Regional Reliability	3/28/2017	4/1/2020	ON SCHEDULE < 4	Install any terminal upgrades needed to accommodate new line terminal from Road Runner.	115
Line - Road Runner - Agave Red Hills/Ochoa/Custer Mountain 115 kV New Line	Agave Red Hills 115 kV Terminal Upgrades	Regional Reliability	3/28/2017	4/1/2020	ON SCHEDULE < 4	Install any terminal upgrades needed to accommodate new line terminal from Road Runner.	115
Multi - Artesia County 115 kV	Artesia County Club 115 kV Voltage Conversion	Regional Reliability	12/15/2019	6/1/2017	DELAY - MITIGATION	Convert the Artesia County Club 69 kV substation to 115 kV operation.	115
Multi - Artesia County 115 kV	Artesia County Club Tap 115 kV Line Tap	Regional Reliability	12/15/2019	6/1/2017	DELAY - MITIGATION	Tap the 115 kV line from Atoka to Eagle Creek and install 3-way switch at tap point.	115
Multi - Artesia County 115 kV	Artesia County Club - Artesia Country Club Tap 115 kV Ckt 1 New Line	Regional Reliability	12/15/2019	6/1/2017	DELAY - MITIGATION	Construct new 115 kV line from Artesia County Club to Artesia County Club Tap.	115
Line - Plant X - Tolk 230kV rebuild circuit #1 and #2	Plant X - Tolk 230kV rebuild circuit #1	Generation Interconnection	5/31/2018		ON SCHEDULE < 4	Rebuild Plant X - Tolk 230kV transmission circuit #1 which is approximately 10 miles in length. The existing 795 MCM ACSR conductor will be replaced with 995 MCM ACSR conductor along with upgrading associated disconnect switches, structural steel, foundations, relay, protective, and metering equipment, and all associated and miscellaneous materials.	
Line - Plant X - Tolk 230kV rebuild circuit #1 and #2	Plant X - Tolk 230kV rebuild circuit #2	Generation Interconnection	5/31/2018		ON SCHEDULE < 4	Rebuild Plant X - Tolk 230kV transmission circuit #2 which is approximately 10 miles in length. The existing 795 MCM ACSR conductor will be replaced with 995 MCM ACSR conductor along with upgrading associated disconnect switches, structural steel, foundations, relay, protective, and metering equipment, and all associated and miscellaneous materials.	
XFR - TUCO Interchange 345/230kV CKT 1 Replacement	TUCO Interchange 345/230kV CKT 1 Replacement	Generation Interconnection	6/1/2018		ON SCHEDULE < 4	The existing 345/230kV 560/560MVA autotransformer at TUCO Substation will be replaced with a new transformer unit to match the other transformer at this site. The new transformer can be installed at TUCO Substation by removing the existing transformer from the existing foundation and replacing with the new unit. New 345kV and 230kV electrical connections will be required. All new control cable terminations will be required. The new transformer will have top emergency ratings of 644MVA in the summer/spring/fall seasons and 700MVA in the winter season.	
Line - Mustang - Seminole 115 kV Ckt 1 New Line	Mustang - Seminole 115 kV Ckt 1 New Line	Regional Reliability	6/1/2020	6/1/2017	DELAY - MITIGATION	Construct new 115 kV line from Mustang to Seminole.	115
Line - Mustang - Seminole 115 kV Ckt 1 New Line	Mustang 115 kV Terminal Upgrades	Regional Reliability	6/1/2020	6/1/2017	DELAY - MITIGATION	Install terminal upgrades at Mustang 115 kV substation needed to accommodate termination of new line from Seminole.	115
Line - Mustang - Seminole 115 kV Ckt 1 New Line	Seminole 115 kV Terminal Upgrades	Regional Reliability	12/31/2019	6/1/2017	DELAY - MITIGATION	Install terminal upgrades at Seminole 115 kV substation needed to accommodate termination of new line from Mustang.	115

Project Name	Upgrade Name	Project Type	Project Owner Indicated In Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Line - Canyon East Tap - Randall 115 kV Ckt 1 Rebuild	Canyon East Tap - Randall 115 kV Ckt 1 Rebuild	Regional Reliability	12/15/2019	6/1/2017	DELAY - MITIGATION	Rebuild 3-mile segment of 115 kV line from Canyon East Tap to Randall.	115
Sub - Chaves County Interchange 115kV Substation GEN-2014-034 Addition	Chaves County Interchange 115kV Substation GEN-2014-034 Addition (TOIF)	Generation Interconnection	8/16/2016		ON SCHEDULE < 4	Construct one (1) 115 kV line terminal, line switches, dead end structure, communications, revenue metering, line arresters and all associated equipment and facilities necessary to accept transmission line from Interconnection Customer's Generating Facility.; Communications: It is Interconnection Customer's responsibility to provide both the data circuit and dial up telephone circuits, per Section 1.13 of the Transmission Owner's GEN-2014-034 Facility Study and Appendix C, Item 3(d) of this Agreement; Revenue Metering; and, 115 kV Line Arresters.	
Sub - Chaves County Interchange 115kV Substation GEN-2014-034 Addition	Chaves County Interchange 115kV Substation GEN-2014-034 Addition	Generation Interconnection	8/24/2016		ON SCHEDULE < 4	Substation work to construct one (1) 115kV bus rung, 3000 Amp breaker, switches, structures, and other associated equipment at the Point of Interconnection.	
Sub - Terry Co. - Wolfforth 115 kV Terminal Upgrades	Terry Co. - Wolfforth 115 kV Terminal Upgrades	Regional Reliability	6/1/2018	4/1/2020	ON SCHEDULE < 4	Upgrade terminal equipment at Terry Co. and Wolfforth to increase the rating of the 115 kV line from Terry Co. to Wolfforth.	115
Multi - Tolk Yoakum Tap 230/115 kV Substation and Transformer	Tolk - Yoakum Tap 230/115 kV Substation and Transformer	Regional Reliability	12/15/2020	6/1/2018	RE-EVALUATION	Top the intersection of the 230 kV line from Tolk to Yoakum and the 115 kV line from Cochran to Lehman Tap and terminate all four ends into new substation. Install new 230/115 kV transformer at new substation.	230/115
Line - Livingston Ridge - Wipp 115 kV Ckt 1 Rebuild	Livingston Ridge - Wipp 115 kV Ckt 1 Rebuild	Regional Reliability	6/15/2021	6/1/2021	DELAY - MITIGATION	Rebuild 2.8-mile 115 kV line from Livingston Ridge to Wipp.	115
Sub - Carlsbad - Pecos 115kV Terminal Upgrades	Carlsbad - Pecos 115 kV Terminal Upgrades	Regional Reliability	6/1/2021	6/1/2021	ON SCHEDULE < 4	Install terminal upgrades at Carlsbad and/or Pecos to increase the rating of the 115 kV line between the substations.	115
Sub - Crossroads 345kV Substation - GEN-2014-047 Addition	Crossroads 345kV Substation - GEN-2014-047 Addition (TOIF)	Generation Interconnection	7/31/2017		RE-EVALUATION	Transmission Owner's Crossroads 345kV switching station: Construct one (1) 345 kV line terminal, line switches, dead end structure, communications, revenue metering, line arresters and all associated equipment and facilities necessary to accept transmission line from Interconnection Customer's Generating Facility; Communications: It is Interconnection Customer's responsibility to provide both the data circuit and dial up telephone circuits, per Section 1.13 of the Transmission Owner's GEN-2014-047 Facility Study and Appendix C, Item 3(d) of this Agreement; Revenue Metering and, 345 kV Line Arresters.	
Sub - Crossroads 345kV Substation - GEN-2014-047 Addition	Crossroads 345kV Substation - GEN-2014-047 Addition (NU)	Generation Interconnection	7/31/2017		RE-EVALUATION	Transmission Owner Crossroad 345kV Substation: Expansion work, including new terminal position, install one (1) 3000A breaker and associated switches, structures, other terminal equipment.	
Sub - Crosby County Interchange - Floyd County Interchange 115kV Ckt 1	Crosby County Interchange - Floyd County Interchange 115kV Ckt 1 (TOIF)	Generation Interconnection	3/31/2017		ON SCHEDULE < 4	Install the following equipment to interconnect Interconnection Customer's Generating Facility; Communications; Remote Terminal Unit; Revenue Metering: 115kV line arresters.	
SUB - TUCO 230kV Switching Station GEN-2012-020	TUCO 230kV Switching Station GEN-2012-020 Addition (TOIF)	Generation Interconnection	9/15/2018		ON SCHEDULE < 4	TUCO 230kV Switching Station: Communications; Revenue Metering; 220kV Line arresters.	
SUB - Castro County 115kV - add terminal for GEN-2014-040	Castro County 115kV - add terminal for GEN-2014-040 (TOIF)	Generation Interconnection	10/28/2016		ON SCHEDULE < 4	Communications; Revenue Metering; and, 115kV Line Arresters.	
Sub - Norton 115kV GEN-2013-022 Addition	Norton 115kV GEN-2013-022 Addition (TOIF)	Generation Interconnection	11/28/2016		ON SCHEDULE < 4	Construct one (1) 115 kV line terminal, line switches, dead end structure, communications, revenue metering, line arresters, and all associated equipment and facilities necessary to accept transmission line from Interconnection Customer's Generating Facility.	
Sub - Norton 115kV GEN-2013-022 Addition	Norton 115kV GEN-2013-022 Addition (NU)	Generation Interconnection	11/28/2016		ON SCHEDULE < 4	Install one (1) new 115kV line terminal to accept 115kV transmission line from GEN-2013-022 Generating Facility and all associated equipment including new RTU.	

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In-Service Date	RTO Determined Need Date	Project Status	Project Description /Comments	Voltages (kV)
Sub - Tuc - Stanton 115 kV Terminal Upgrades	Tuco - Stanton 115 kV Terminal Upgrades	Economic	12/31/2018	1/1/2017	DELAY - MITIGATION	Upgrade any necessary terminal equipment at Stanton and/or Tuc to increase the rating of the 115 kV line between the two substations.	115
Sub - Stanton - Indiana 115 kV Terminal Upgrades	Stanton - Indiana 115 kV Terminal Upgrades	Economic		1/1/2017	DELAY - MITIGATION	Upgrade any necessary terminal equipment at Indiana and/or Stanton to increase the rating of the 115 kV line between the two substations.	115
Sub - Indiana - SP-Erskine 115 kV Terminal Upgrades	Indiana - SP-Erskine 115 kV Terminal Upgrades	Economic	2/28/2020	1/1/2017	DELAY - MITIGATION	Upgrade any necessary terminal equipment at Indiana and/or SP-Erskine to increase the rating of the 115 kV line between the two substations.	115
Sub - Tap Tolk - Yoakum 230kV (Needmore) - GEN-2013-027 Addition	Tap Tolk - Yoakum 230kV (Needmore) - GEN-2013-027 Addition (TOIF)	Generation Interconnection	3/17/2018		ON SCHEDULE < 4	Construct one (1) 230 kV line terminal including line switches, dead end structure, communications, revenue metering, line arresters and all associated equipment and facilities necessary to accept transmission line from Interconnection Customer's Generating Facility.	
Sub - Tap Tolk - Yoakum 230kV (Needmore) - GEN-2013-027 Addition	Tap Tolk - Yoakum 230kV (Needmore) - GEN-2013-027 Addition (NU)	Generation Interconnection	3/17/2018		ON SCHEDULE < 4	Construct 230 kV, three breaker ring bus substation with line terminals for transmission lines to Tolk Station 230 kV and Yoakum 230 kV. The remaining line terminal to interconnect the Generating Facility is apportioned by Appendix A Item 1 (b). Transmission Owner's new substation to include three (3) 3000A circuit breakers, disconnect switches, line relaying, and all associated and miscellaneous equipment. Also includes approximately twenty acres of land for siting the new substation.; Loop Tolk - Yoakum 230kV line into new three breaker ring-bus substation for GEN-2013-027. Includes all new line structures, foundations, conductors, insulators and all other associated work and materials.	
Line - Cox Interchange - Hale Co Interchange 115 kV Rebuild	Cox Interchange - Hale Co Interchange 115 kV Ckt 1	Regional Reliability		6/1/2021	ON SCHEDULE < 4	Rebuild 19.88 miles of 115 kV transmission line from Cox Interchange to Hale Co Interchange.	
Sub - Hockley County Interchange 115 kV Terminal Upgrades	Hockley County Interchange 115 kV Terminal Upgrades	Regional Reliability		6/1/2021	ON SCHEDULE < 4	Replace wave trap at Hockley County Interchange to increase the line capacity for Hockley County Interchange - Lamb County Interchange 115 kV Ckt 1.	
Sub - Hale County 115 kV	Hale County 115 kV Terminal Upgrades	Regional Reliability		12/1/2018	ON SCHEDULE < 4	Install terminal upgrades at both breaker terminals of the line on the 115 kV circuit V72 (Hale County - Kress Interchange) at Hale County.	115
Sub - Martin - Pantex N 115 kV Terminal Upgrades	Martin - Pantex North 115 kV Terminal Upgrades	Economic	3/15/2018	1/1/2017	DELAY - MITIGATION	Upgrade any necessary terminal equipment at Martin and/or Pantex North to increase the rating of the 115 kV line between the two substations.	
Sub - Martin - Pantex N 115 kV Terminal Upgrades	Pantex South - Highland Tap 115 kV Terminal Upgrades	Economic	3/15/2018	1/1/2017	DELAY - MITIGATION	Upgrade any necessary terminal equipment at Pantex South and/or Highland Tap to increase the rating of the 115 kV line between the two substations.	
Sub - Coulter 115 kV	Coulter 115 kV Terminal Upgrades	Regional Reliability		6/1/2018	ON SCHEDULE < 4	Install terminal upgrades on the 115 kV circuit W71 (Coulter - Puckett) at Coulter Substation.	115
Sub - Plant X - Sundown 230 kV	Plant X 230 kV Terminal Upgrades	Regional Reliability	12/31/2018	6/1/2018	DELAY - MITIGATION	Install terminal upgrades on the 230 kV circuit K46 (Plant X - Sundown) at Plant X.	230
Sub - Plant X - Sundown 230 kV	Sundown 230 kV Terminal Upgrades	Regional Reliability	12/31/2018	6/1/2018	DELAY - MITIGATION	Install terminal upgrades on the 230 kV circuit K46 (Plant X - Sundown) at Sundown.	230
Sub - Texas County - Hitchland 115 kV bus	Texas County 115 kV Terminal Upgrades #1	Regional Reliability	12/31/2018	6/1/2018	DELAY - MITIGATION	Upgrade terminal equipment on the Texas County - Hitchland 115 kV Ckt 1 at Texas County.	115
Sub - Texas County - Hitchland 115 kV bus	Texas County 115 kV Terminal Upgrades #2	Regional Reliability	12/31/2018	6/1/2018	DELAY - MITIGATION	Upgrade terminal equipment on the Texas County - Hitchland 115 kV Ckt 2 at Texas County.	115
Sub - Nichols - 230 kV	Nichols 230 kV Terminal Upgrades	Regional Reliability		12/1/2018	ON SCHEDULE < 4	Install terminal upgrades on the Nichols - Amarillo 230 kV circuit at Nichols.	230
Line - Etter - Moore - 115 kV	Etter - Moore 115 kV Rebuild	Regional Reliability		6/1/2018	ON SCHEDULE < 4	Rebuild 10.83-mile 115 kV line from Etter to Moore.	115

Southwestern Public Service Company
SPS Notices to Construct

Project Name	Upgrade Name	Project Type	Project Owner Indicated In- Service Date	RTO Determined Need Date	Project Status	Project Description/Comments	Voltages (kV)
Quarter 2 2018 Project Tracking Portfolio - Initial							
COMPLETE	Complete and in-service						
CLOSED OUT	In-service and all required project close-out documentation supplied by TO						
ON SCHEDULE < 4	On Schedule within 4-year horizon						
ON SCHEDULE > 4	On Schedule beyond 4-year horizon						
NTC-C PROJECT ESTIMATE WINDOW	Within the NTC-C Project Estimate (CPE) window						
DELAY - MITIGATION	Behind schedule, interim mitigation provided or project may change but time permits the implementation of project; asterisk (*) indicates interim mitigation plan provided by SPP						
SUSPENDED	NTC/GIA suspended						
RE-EVALUATION	NTC/NTC-C active; pending re-evaluation						
NTC - COMMITMENT WINDOW	NTC/NTC-C issued, still within the 90 day written commitment to construct window and no commitment received						
PENDING NTC/NTC-C	Project approved by Board; NTC/NTC-C, pending						