



Control Number: 50421



Item Number: 143

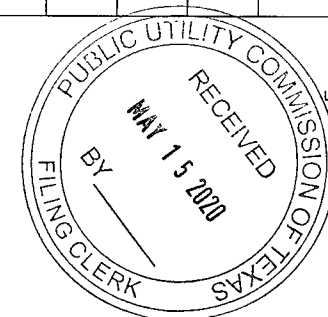
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LCRA TSC
TRANSMISSION MONTHLY CONSTRUCTION PROGRESS REPORT (MCPR)
for
May 2020

Public Utility Commission of Texas
Project No. **50421**

Utility's Project Number	Project Name	Location (City/County)	Description	Estimated (or Actual) Start Date	Finish Date (Construction Complete)	Date Energized (If Applicable)	Initial Estimated Project Cost (\$)	Final Estimated Project Cost (\$)	Final Actual Project Cost (\$)	% Variance	Percent Complete	Existing Voltage (kV)	Upgraded or New Voltage (kV)	Circuit Length (Miles)	Conductor Type & Size & Bundling	Structure Type(s)	Existing ROW Width (Feet)	Existing ROW Length (Miles)	New ROW Width (Feet)	New ROW Length (Miles)	Rule Section or PUC Control Number
1010656	Blumenthal TL Addition (T637)	Gilesple, Kendall, Blanco	Construct a new 138-kV transmission line connecting the new Blumenthal (CTEC) Substation to a tap point on the Kendall - Mountain Top 138-kV transmission line (T342)	10/2/2017	5/18/2018	5/18/2018	\$21,536,000 T-Line; \$3,935,000 Substation; \$1,834,000 Tap	\$26,796,000			100	0	138	14.40 mi	3x1-795 ACSR "Drake"	Poles & H-Frames	0	0.00 mi	100'	14.40 mi	43599
1015208	Zorn-Marion 345-kV TL Addition (CCN - Doccat No 45601)	Guadalupe	Construct a new 345-kV transmission line to provide a transmission point of interconnection between Central Texas and San Antonio areas	6/1/2018	5/30/2019	5/30/2019	T-Line \$43,265,111 M; Substation \$7,805,000	\$49,725,445			100	0	345	18-24 mi	3x2-959.6 ACSR/TW "Suwannee"	Steel Poles	Varies	7.11 mi		10 - 14 mi	45601
1014910	TXDOT US 83 Relief Route Rio Grande City-La Grulla (T485)	Starr	Modify existing transmission line (T485) Rio Grande City-La Grulla, to accommodate road expansion by TXDOT	11/9/2018	11/30/2018	11/30/2018	\$220,000	\$256,000			100	138	138	31.66 mi	3x1-795 ACSR/AW "Drake/AW"	Steel Poles	Varies	31.66 mi	n/a	n/a	25 101 (C)(5)(B)
1014352	Leander - Round Rock TL Addition (CCN)	Williamson	Construct a new 138-kV transmission line to provide a transmission point of interconnection to two load-serving substations	1/2/2019	6/4/2020		T-Line \$ 87,889.6 M; Substation \$ 14,917.4 M				95	0	138	11-22 mi	3x2-795 ACSR "Drake"	TBD, Poles and/or H-Frames	0	0.00 mi	Varies, 60' - 100'	11-22 mi	45865
1017026	Manor-Cedar Hills TL Addition (T495) Phase 1 (Flood Remediation Substation Upgrade - 1016538)	Travis	On T495 remove (structure #112) concrete pole and replace with two concrete Poles.	7/5/2017	10/28/2017	10/19/2017	\$387,000	\$220,000			100	138	138	8.21 mi	3x1-795 ACSR "Drake"	Concrete Poles, Steel Poles & Lattice Tower	100'	8.21 mi	n/a	n/a	25 101 (C)(5)(B)
1017998	Hamilton Road - Uvalde Fiber Addition (T570), (T624) & (T644)	Val Verde, Kinney, Uvalde	Replace 25 structures to support new OPGW	1/29/2018	3/10/2019	3/10/2019	\$9,391,760	\$9,391,760			100	138	138	70.6 mi	3x1-ACSS "Drake"	Steel Poles	Varies	70.6 mi	n/a	n/a	25 101 (C)(5)(B)
1017838	Kendall - Fredericksburg TL Fiber Build Out (T120)	Kendall, Gillespie	Replace static arm on 70 H-frame structures. install 1 new steel dead-end pole, and install 2 new guyed wood h-frames to support new OPGW	4/18/2018	6/28/2018	6/19/2018	\$2,577,512	\$1,500,000			100	138	138	20.55 mi	3x1-795 ACSR "Drake"	Wood H-Frames, Single Pole Wood DE	Centerline	20.55 mi	n/a	n/a	25 101 (C)(5)(B)
1015116	Henne-Cornal TL Upgrade (T235)	Cornal	Rebuild the existing 138kV transmission line (T235) with new structures and conductor	1/10/2018	5/15/2019	5/15/2019	\$9,574,929	\$11,600,000			100	138	138	7.51 mi	3x1-959.6 ACSR/TW "Suwannee"	Steel Poles	Varies	7.51	n/a	n/a	25 101 (C)(5)(B)
1017347	Mendoza-Cotton-Elroy (T397)	Caldwell, Travis	Add circuit breakers at Cotton Substation. Add OPGW to (T397) Mendoza - Cotton - Elroy. Replace structures that are currently not capable of supporting OPGW	2/8/2018	5/18/2018	5/18/2018	\$8,900,000	\$5,077,000			100	138	138	12.9 mi	3x1-795 ACSR "Drake"	Concrete Poles, Steel Poles and Wood H-Frames	Varies	12.9 mi	n/a	n/a	25 101 (C)(5)(B)
1017387	Harwood-Luling Double Circuit TL OH Phase 1 (T145)(T173), Luling-Waelder TL Add Phase 2 (T145)	Caldwell, Gonzales	Replace 45 double-circuit lattice tower structures with double circuit steel Poles and add OPGW on (T145/T173) Harwood-Luling and Luling-Waelder	2/26/2018	5/14/2019	Phase 1 8/29/2018 Phase 2 5/14/2019	\$ 2,555,441 (phase 1 & 2)	\$9,705,000			100	138	138	Phase 1 - 12.9 mi, Phase 2 - 21.85	Phase 1 - 3x2-795 "Drake", Phase 2 Drake 795 ACSR & 267 & Single	Concrete Poles, Steel Poles & Wood H-Frames	100' Centerline	Phase 1-19.4 mi, Phase 2 - 21.85 mi	n/a	n/a	25 101 (C)(5)(B)
1017859	Clear Springs-Marion TL Addition (419)	Guadalupe	Replace 3 double-circuit lattice tower structures with 3 CREZ FS lattice dead-end tower structures. install OPGW. Repair 1 cage/arm member at Structure #88. install new bundled Drake between new spans between A-Frames and new Towers and between #108A & #108B	2/15/2018	11/18/2018	11/18/2018	\$3,446,680	\$3,211,000			100	345	345	8.5 mi	3x2-795 ACSR "Drake"	Steel Lattice	100' Centerline	8.5 mi	n/a	n/a	25 101 (C)(5)(B)
1017856	San Marcos - Kyle Fiber Build-Out (T322)	Hays	Add OPGW from San Marcos to Canyon	3/19/2018	5/18/2018	5/18/2018	\$718,484	\$1,155,000			100	138	138	3.46 mi	2x1-795 ACSR "Drake"	Steel Poles Concrete Poles	Varies	3.46 mi	n/a	n/a	25 101 (C)(5)(B)
1017403	Sm Gideon-Smithville TL Storm Hardening - (T150)	Bastrop	Increase the reliability of transmission facilities on the Sm Gideon - Smithville 13.8-mile 138 kV transmission line (T150)	7/17/2018	3/18/2019	3/18/2019	\$7,438,690	\$3,368,000			100	138	138	13.8 mi	795 ACSR Drake	Steel Poles & Hybrid Poles	80'	13.8 mi	80	13.8 mi	25 101 (C)(5)(B)

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1017854	Fairland-Lago Vista TL Addition (T414)	Travis, Burnet	OPGW add and Tower replacements	7/15/18	3/27/2019	3/27/2019	\$4,630,000	\$7,938,338			100	138	138	21.38	795 CONDOR ACSRS/D	Lattice Towers & Steel Poles	100' Centerline	21.38 mi	100' Centerline	21.38 mi	25.101 (C)(5)(B)
1017348	Cooks Point TL Addition (CCN)	Burleson	Construct a new 138-kV transmission line to provide a transmission point of interconnection to a new load-serving substation	7/1/2020	5/8/2021		T-Line \$ 35.1 - 43.5M, Substation \$ 6.1 - 6.7 M				0	0	138	17.23 mi	2x1- 795 ACSR "Drake"	TBD, Poles and/or H- Frames	0	0.00 mi	Varies, 80'	17.23 mi	45838
1016356	Belville S-Giddien TL Addition (T113) (Belville S-Giddien TL Storm Hardening - 1016355)	Austin County/Colorado	Replace eleven (11) lattice tangent tower structures with steel pole structures to meet storm hardening requirements; the existing rating of the transmission circuit will be maintained at 110 MVA	8/23/2018	9/20/2019	9/20/2019	\$4,900,000	\$10,880,000			100	69	69	31.24 mi	Existing (1)795 ACSR "Drake" New Belville-Str 26 (1959) ACSS "Suwannee" and Str 27- Giddien (1)795 ACSR "Drake"	Belville-Str 26 Concrete H- Frame and Steel DE Str 27-Giddien Steel DE Lattice Towers and concrete tangents	120	31.24 mi	120	31.24 mi	25.101 (C)(5)(B)
1017847	Coronado-Fairland TL Addition (T110) (LCRA TSC Fiber Build-Out FY18-1017418)	Burnet/Llano	OPGW is being installed and multiple structures are being replaced or repaired to support the added fiber as part of the FY18 Fiber Build Out program	8/29/2018	5/24/2019	5/24/2019	\$3.2M	\$5.6M			100	138	138	12.41 mi	795 ACSR CONDOR, 795 ACSR Drake, 72 CT OPGW	Steel lattice, & steel poles	Varies	12.41 mi	n/a	n/a	25.101 (C)(5)(B)
1017842	Gillespie-Hornesbay Bay TL Addition (T448) (LCRA TSC Fiber Build-Out FY18-1017418)	Gillespie/Llano	OPGW is being installed and multiple structures are being replaced or repaired to support the added fiber as part of the FY18 Fiber Build Out program	8/1/2018	11/30/2019	5/13/2019	\$4.5M	\$7.9M			100	138	138	36.43 mi	795 ACSR Drake, 72 CT OPGW	Steel lattice	Varies	36.43 mi	n/a	n/a	25.101 (C)(5)(B)
1017658	Burnet-Wirtz TL Overhaul (T218) (Burnet-Wirtz TL Overhaul - 1017657)	Burnet	Structure replacement and add OPGW	1/4/2019	12/29/2019	12/20/2019	\$3,400,000	\$4,739,000			100	138	138	16.4 mi	795 ACSR Drake	Steel & Wood Poles	Varies	16.4 mi	n/a	n/a	25.101 (C)(5)(B)
1016322	Belville South - Waller TL Storm Hardening (T213) (Belville South - Waller TL Storm Hardening - 1016321)	Austin/Waller	Increase reliability and capacity of transmission facilities on Belville South to Waller	9/4/2018	6/21/2019	6/28/2019	\$13,162,000	\$29,672,000			100	138	138	15.77 mi	795 ACSR Drake	Concrete & steel poles	Varies 85'	15.77 mi	n/a	n/a	25.101 (C)(5)(B)
1016931	Flatonia-Moulton South TL Addition (T134) (Shiner Circuit Breaker Addition - 1017402)	Lavaca	Increase transmission service reliability to the Shiner Substation	10/9/2018	2/11/2019	2/11/2019	\$191,071	\$85,000			100	138	138	11.1 mi	795 ACSR Drake	Concrete/Steel Poles	30,40,45', 60 100'	11.1 mi	n/a	n/a	25.101 (C)(5)(A)
1017830	North McCarney - LCRA Crane TL Addition (T455) (King Mountain Circuit Breaker Addition - 1017391)	Upton	LCRA will install three circuit breakers, provide real-time monitoring at King Mountain Substation	10/1/2018	6/28/2019	5/10/2019	\$819,692	\$1,800,000			100	138	138	23.08 mi	(2) 795 kcmil ACSR "Drake"	Concrete & steel monopoles	Centerline, 80'	23.08 mi	n/a	n/a	25.101 (C)(5)(A)
1017513	Arlene-Naval Base TL Addition (T475) (Arlene TL Relocation - 1017336)	Nueces	Relocate transmission facilities on (T475) and (T476). The present 69-kV configuration at Arlene Substation does not allow for one power bank to serve as a backup for the other during outage	9/24/2019	9/30/2019	9/30/2019	\$178,226	\$426,000			100	69	138	6.39 mi	(1) 795 kcmil ACSRAW "Drake"	Steel Monopole	Centerline, 16'	6.39 mi	n/a	n/a	25.101 (C)(5)(D)
1017515	Arlene-Naval Base TL Addition (T476) (Arlene TL Relocation - 1017336)	Nueces	Relocate transmission facilities on (T475) and (T476). The present 69-kV configuration at Arlene Substation does not allow for one power bank to serve as a backup for the other during outage	3/28/2019	4/16/2019	4/16/2019	\$126,000	\$115,000			100	69	138	7.98 mi	(1) 795 kcmil ACSRAW "Drake"	Steel Monopole	Centerline	7.98 mi	n/a	n/a	25.101 (C)(5)(D)
1016756	Hornes-Naval Base TL Addition (T685) (Hornes Substation Addition - 1018743)	Nueces	Provide metering facilities. Provide transmission service to a load-serving substation. Provide real-time monitoring facilities at the Hornes Substation. (Once Hornes Substation Addition is complete the transmission assets on (T476) will be renumbered to T685 Hornes - Naval Base)	10/3/2018	5/7/2020	5/7/2020	\$468,085	\$598,492			100	69	138	5.3 mi	(1) 795 kcmil ACSRAW "Drake"	Steel Monopole	Centerline	5.3 mi	n/a	n/a	25.101 (C)(5)(A)
1018755	Arlene-Hornes TL Addition (T476) (Hornes Substation Addition - 1018743)	Nueces	Provide metering facilities. Provide transmission service to a load-serving substation. Provide real-time monitoring facilities at the Hornes Substation	10/11/2018	5/7/2020	5/7/2020	\$519,285	\$853,000			100	69	138	2.57 mi	(1) 795 kcmil ACSRAW "Drake"	Steel Monopole	Centerline	2.57 mi	n/a	n/a	25.101 (C)(5)(A)

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1018663	RioPecos-HorseCrossing TL Addition (T451/ future T682)	Crane	Provide transmission service to a generator. (This circuit will be added to the open position on the structures on the (T451) Rio Pecos - Crane, after the project is complete the transmission line will be numbered T682 Rio Pecos - Horse Crossing)	9/18/2020	3/30/2021	3/30/2021	\$952,312	\$1,310,979			0	0	138	0.76 mi	(2) 795 ACSR Drake	Steel/Concrete Monopoles	80' CL	0.76 mi	n/a	n/a	25 101 (C)(5)(C)
1019260	Winchester-Salem T170 TL Addition (T170) (Winchester Autotransformer Addition - 1017413)	Fayette	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	10/1/2018	3/25/2020	3/25/2020	\$149,379	\$2,153,903			100	138	138	37.28 mi	(1) 795 kcmil ACSR/AAW "Drake"	H-Frames, Steel Poles, & Lattice Towers	100' Centerline	37.16 mi	n/a	n/a	25 101 (C)(5)(A)
1017777	Winchester-Fayetteville TL Addition (T185) (Winchester Autotransformer Addition - 1017413)	Fayette	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	10/1/2018	3/26/2020	3/26/2020	\$1,012,865	\$2,392,473			100	138	138	18.92 mi	(1) 795 kcmil ACSR/AAW "Drake"	H-Frames, Steel Poles, & Lattice Towers	100' Centerline	18.75 mi	n/a	n/a	25 101 (C)(5)(A)
1017495	Brenham North - Weller TL Addition (T232) (Flood Mitigation - FY2018 System Upgrade 1017378)	Waller, Washington	Reduce flood risk and potential damage to substation equipment	9/23/2019	11/7/2019	11/7/2019	\$1,619,270	\$3,965,000			100	138	138	12.94 mi	795 Drake ACSR & 630 0 TYPE 21 ACSR/TWIC (BETWEEN #17/1 TO #19/1)	Concrete Poles, Wood H-frame, Steel H-frame	75' @ single circuit, 85' @ double circuit	12.94 mi	75' @ single circuit, 85' @ double circuit	12.94 mi	25 101 (C)(5)(B)
1019038	Plum - La Grange TL Addition (T208) (Riverside Circuit Breaker Addition - 1016925)	Fayette	Increase the reliability of substation equipment at the Riverside Substation	1/28/2019	10/15/2020		\$356,355	\$1,589,877			90	138	138kV	8.39 mi	795 ACSR GA2 Drake 3/8 EHS OPGW	Wood H-frame	Undefined Centerline	5.58 mi	undefined Centerline	5.58 mi	25 101 (C)(5)(B)
1019276	Harwood-Gonzales (T542) (Gonzales - Harwood TL Overhaul - 1016965)	Gonzales	Increase the reliability and capability of circuit (T542) on Cuero - Luling 53.9 miles of 69-kV transmission line for the 10 miles between City of Gonzales (S31) & Harwood Station (S397)	4/1/2019	10/31/2019	10/25/2019	\$4,350,429	\$4,718,000			100	69	69 (138kV Capable)	9.97 mi	Single 795 ACSR "Drake"	Concrete & Steel Pole	Blanket Centerline	9.97 mi	n/a	n/a	25 101 (C)(5)(B)
1017895	North McCannay-Robbins SW TL Addition (T456) (Robbline Switch Circuit Breaker Addition - 1017400)	Upton	Provide transmission service to a generator by constructing substation for interconnection	10/31/2018	5/10/2019	5/10/2019	\$77,017	\$728,000			100	138kV	138	5.68 mi	2x 795 Drake ACSR	Concrete Poles	80	5.68 mi	n/a	n/a	25 101 (C)(5)(A)
1017510	Tunas Creek - Mesa View TL Addition (T620) (Fourmile Circuit Breaker Addition 1017380)	Pecos	Increase transmission service reliability to the Fourmile Substation (formerly Indian Mesa/Onon/NWP Tap)	11/27/2018	10/13/2019	10/13/2019		\$4,679,000			100	138	138	11.68 mi	3x2, 795 kcmil "Drake"	Steel & Concrete Poles	80	11.68 mi	n/a	n/a	25 101 (C)(5)(B)
1017588	Tunas Creek-Mesa View SW TL Addition (T620) (Desert Mesa Circuit Breaker Addition 1017353)	Pecos	Increase transmission service reliability to the Desert Mesa Substation (formerly Desert Sky Tap #1). Provide real-time monitoring facilities at the Desert Mesa Substation. Increase the reliability of transmission facilities on the T620 Tunas Creek - Mesa View transmission line	10/31/2018	5/15/2019	5/15/2019		\$264,333			100	138	138	18.40 mi	3x2, 795 kcmil "Drake"	Steel & Concrete Poles	80	18.4 mi	n/a	n/a	25 101 (C)(5)(A)
1019213	Round Rock TL Relocation (T527, T378)	Williamson	Increase the transmission service reliability to the Round Rock substation and to support the expansion of the substation by Circuit	1/7/2019	5/7/2019	5/7/2019	\$446,000	\$1,232,000			100	138	138	5.1 mi	(1) 795 ACSR "Drake"	Steel Lattice, Steel H-Frame	100'	5.1 mi	n/a	n/a	25 101 (C)(5)(B)
1016702	Altair - Nade TL Addition (T545) (Glidden Area TL Upgrade - 1016219)	Colorado	OPGW (fiber) installation (T545) and Substation upgrade at Nade and Altair substations from 69kV to 138kV	12/3/2018	5/31/2019	5/31/2019	\$2,312,000	\$6,800,000			100	69	138	14.12 mi	795 Drake ACSR & 26/7 & Single	Steel, Wood, & Lattice	Blanket	14.12 mi	Blanket	14.1 mi	25 101 (C)(5)(B)
1019321	Lakeview-Marshall Ford T179 Addition (T179) (Lakeview AE Marshall Ford TL SH - 1019098)	Travis	Increase the reliability of circuit (T179) on the Lakeview (AE) - Marshall Ford 2.4 mile 138 kV transmission line	1/25/2019	6/21/2019	6/21/2019	\$438,000	\$3,040,713			100	138	138	2.4 mi	(6x1) 795 ACSR "Drake"	Steel Towers	100'	2.4 mi	n/a	n/a	25 101 (C)(5)(B)
1019603	Lakeview-Marshall Ford Fiber Addition (T179) (LCRA Fiber Backbone FY 19 Telecom Upgrade - 1019084)	Travis	LCRA will install 2.42 miles of 72-count OPGW from Lakeview (AE) to Marshall Ford (T179)	2/13/2019	6/21/2019	6/21/2019	\$392,000	\$637,000			100	138	138	2.4 mi	(6x1) 795 ACSR "Drake"	Steel Towers	100'	2.4 mi	n/a	n/a	25 101 (C)(5)(B)

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1017760	Wards-Salem TL Addition (T867 T170) (Wards Circuit Breaker Addition - 1017411)	Fayette	Increase reliability of transmission facilities on the (T170) Winchester-Salem 34.8 mile 138kV transmission line. Cut-in to new A-frames at existing Wards Sub and renumber Wards to Salem as (T867)	12/1/2018	12/20/2018	12/20/2018		\$663,000			100	138	138	34.8 mi	Single (1 phase) 795kcmil ACSR "Drake"	Steel monopole	100'	34.8 mi	n/a	n/a	25 101 (C)(5)(B)
1019317	Rockport-Fulton T474 TL Addition (T474) Hurricane Response System Upgrade - 1015095	Nueces, Aransas	Increase reliability, repair storm damage, & upgrade circuit (T477) on the N Padre Tap-Port Aransas 18.23-mile 69-kV TL and circuit (T474) on the Fulton-Rockport 138-kV 7.36-mile 69-kV TL	2/7/2019	9/23/2019	9/23/2019	\$652,895	\$3,836,000			100	69	69	7.4 mi	(1a) 795 ACSR/AW Drake	Steel Monopole, Concrete Monopole	Unknown (AEP-owned)	-	-	-	25 101 (C)(5)(B)
1017557	Deer Creek-Luling TL Addition (T538) (Dart Creek Circuit Breaker Addition - 1017352)	Guadalupe	Add four 138-kV, 3000A, 40kAIC circuit breakers in a ring bus configuration to Dart Creek substation	2/22/2019	5/23/2019	5/23/2019	\$717,517	\$1,000,200			100	69	69	15.84 mi	Drake 795 ACSR Single	Concrete & Steel	Blanket	15.84 mi	Blanket	15.84 mi	25 101 (C)(5)(B)
1017499	Bastrop Wheel-Sim Gideon TL Addition (T410) (Flood Mitigation - FY2018 System Upgrade - 1017378)	Bastrop	Reduce flood risk and potential damage to substation equipment	1/4/2019	3/8/2019	3/8/2019	\$897,995	\$1,239,000			100	138	138	6.76 mi	Drake 795 ACSR Single	Steel (New) & Wood H-frame(Existing)	100'	100'	100'	6.76 mi	25 101 (C)(5)(B)
1019133	Rm Rock - Turtle Creek TL Addition (T270) (Rm Rock - Turtle Creek TL Storm Hardening - 1018568)	Kern	Increase the reliability of circuit (T270) on the Rm Rock - Turtle Creek 7.6 mile 138kV transmission line	9/16/2020	5/12/2021		\$6,523,068	\$7,002,025			0	138	138	7.6 mi	(1a) 795 ACSR Drake	Steel Monopole	60', 100'	7.6 mi	60' 100'	7.6 mi	25 101 (C)(5)(B)
1020430	Marshall Ford-McNeil TL Addition (T161) (Summit T161 TL Relocation - 1020390)	Travis	Relocation of the Marshall Ford to McNeil 69kV transmission line (T161) at the Austin Energy Summit Substation. The proposed relocation of the line was requested by Austin Energy to the northern section of Summit Sub	3/4/2019	4/15/2020	4/15/2020	\$631,439	\$1,553,000			100	69	69	13.42 mi	Bundled 795 Drake ACSR	Steel Poles	100' CL	0.9 mi	n/a	n/a	25 101 (C)(5)(B)
1018599	Bakersfield to Solstice (CCN) (Bakersfield-Solstice TL Addition - 1018599)	Pecos	Construct a new 345-kV transmission line to connect LCRA TSC's existing Bakersfield station and AEP Texas' Solstice Switch Station	1/7/2020	12/23/2020			\$78M			15	0	345	130-190 mi	1926.9 kcmil ACSS/Cumtub and LCRA TSC and 1590 ACSR (AEP Texas)	Double-circuit steel lattice towers	0	0	150	68 - 92 mi	48/7
1017897	Cuberson-Kuntz TL Addition (T271) (Cuberson-Kuntz TL Overhaul - 1017896)	Cuberson	Structure replacement upgrades to steel and concrete Poles	5/28/2019	6/1/2020		\$507,000	\$593,494			75	138	138	28.88 mi	Linet 339kcmil 0.721"	Wood	100'	28.88 mi	n/a	n/a	25 101 (C)(5)(B)
1019319	N. Padre Tap - Port A (T-477) (Hurricane Response System Upgrade - 1019095)	Nueces	Increase the reliability, repair storm damage, and upgrade circuit (T477) on the North Padre Tap - Port Aransas 18.23-mile 69-kV transmission line and circuit (T474) on the Fulton - Rockport 138-kV 7.36-mile 69-kV transmission line	10/14/2019	12/20/2019	12/27/2019		3,193,000			100	69	69	15 mi	795 ACSR/AW Drake x1	Steel monopole, Concrete Monopole, Hybrid Steel/Concrete	(AEP-owned)	NA	n/a	n/a	25 101 (C)(5)(B)
1019337	Elroy - Wolf Lane (T-582) (LCRA TSC FIBER BUILD OUT FY19 - 1019097)	Travis	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	3/18/2019	5/13/2019	5/13/2019	\$31,898,000	\$2,100,000			100	138	138	3.78 mi	795 Drake ACSR GA2	Wood H-frame, LD Steel H-frame, Steel Pole, Tower	100'	3.78 mi	n/a	n/a	25 101 (C)(5)(B)
1020260	Red Creek-Amos Creek TL Addition (T424) (Amos Creek Substation Addition - 1020230)	Concho	Transmission line cut-in to provide transmission service to a generator	9/3/2019	3/12/2020	3/12/2020	\$1,737,273	\$1,833,576			100	345	345	49 mi	1590 ACSR Falcon x2	Steel Lattice tower	100'	49 mi	n/a	n/a	25 101 (C)(5)(B)
1019327	Austrop-Garfield (T182) (LCRA TSC FIBER BUILD OUT FY19 - 1019097)	Travis	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	4/15/2019	11/22/2019	11/27/2019	\$31,898,000	\$4,055,000			100	345	345	8.33 mi	Bundled 795 ACSR "Drake"	Lattice Tower	170' Centerline	8.33 mi	n/a	n/a	25 101 (C)(5)(B)
1019374	Marshall Ford - McNeil T161 TL Addition (T161) (Marshall Ford-McNeil TL Relocation - 1019212)	Travis	Increase transmission service reliability to the Austin Energy Hamilton Substation	5/1/2019	6/12/2019	6/12/2019	\$951,759	\$1,800,000			100	69	69	13.4 mi	4/0 & 795 kcmil ACSR	Lattice Towers & Steel Poles	100'	13.4 mi	n/a	n/a	25 101 (C)(5)(B)

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1017654	Winchester-Salem TL Addition (T170) (T667) (Salem-Winchester T170 TL OH - 1017654)	Fayette	Increase the reliability and capability of circuit T170 on the Salem - Winchester 37.16-mile 138-kV transmission line	6/17/2019	12/5/2019	12/5/2019	\$5,700,000	\$10,000,000			100	138	138	37.16	795 ACSR Drake (single)	Wood H-frame Steel Lattice Steel Monopoles	Varies	37.16 mi	n/a	n/a	25.101 (C)(5)(B)
1021300	Granite Mountain - Marble Falls TL Upgrade (Marble Falls Double Circuit TL Upgrade - 1020559)	Burnet	Increase the reliability of transmission facilities on the T195 Granite Mountain - Marble Falls 4.1-mile 138-kV transmission line	11/1/2019	4/3/2020	4/3/2020		\$3,295,621			100	138	138	4.08	Single 795 267/ACSR Drake	Lattice Towers & Steel Poles	Varies 80' - 100'	4.08	n/a	n/a	25.101 (C)(5)(B)
1016579	Fall Oaks Ranch - Esperanza TL Addition (T503) (Esperanza Substation Addition - 1016187)	Kendall	LCRA TSC will build a 138kV substation and cut-in T503 to provide transmission metering services and real-time monitoring facilities	9/6/2019	10/25/2019	10/25/2019	\$1,053,522	\$1,400,000			100	138	138	8.25	Single 795 kcmil ACSR	Steel Poles	100'	8.11	80'	8.25	25.101 (C)(5)(B)
1016745	Flatona-Hallettsville TL Addition (T132) (Flatona - Hallettsville TL Upgrade - 1016188)	Fayette, Lavaca	Upgrade the capacity of the 18.7 mile Flatona-Hallettsville 138-kV transmission line from 128 MVA to 380 MVA using 959 ACSR Suwannee conductors and OPGW	9/27/2019	5/15/2020		\$9,338,490	\$7,000,000			99	138	138	18.68	Single 959 6 kcmil ACSR/TW	Wood H-frame & Steel Poles	100'	18.68	100'	18.68	25.101 (C)(5)(B)
1017708	Geronimo-Segun TL Addition (T499) (Jim Briley Substation Addition - 1017404)	Guadalupe	LCRA TSC will construct a new 138-kV substation between the Geronimo Substation and Segun Substation. LCRA TSC will extend (T499) Geronimo to Segun 138-kV transmission line for approximately 500 feet in and out of the Strompel Substation to terminate on A-frame structures at the substation	9/16/2019	10/17/2019	10/17/2019	\$887,000	\$300,000			100	138	138	2.79	1433 6 kcmil ACSR/TW	DC Concrete Poles	100'	2.79 mi	n/a	n/a	25.101 (C)(5)(B)
1019301	Kendall-Comfort T243 TL Addition (T243) (BoerneCocoComfortKendall TL Upgrade - 1019089)	Kendall	Increase capacity and reliability of the transmission facilities of the Boerne-Coco - Comfort 17-mile 138-kV transmission circuit (T148) and the Comfort-Kendall 11-mile 138-kV transmission circuit (T243)	10/21/2019	2/3/2020	1/31/2020		\$4,784,350			100	138	138	1.08 mi	Bundled 959 6 SUWANNEE ACSR/TW	Steel Single Poles/Tower/Steel H-frame	100'	1.08 mi	n/a	n/a	25.101 (C)(5)(B)
1019303	BoerneCoco-Comfort T148 TL Addition (T148) (BoerneCocoComfortKendall TL Upgrade - 1019089)	Kendall	Increase capacity and reliability of the transmission facilities of the Boerne-Coco - Comfort 17-mile 138-kV transmission circuit (T148) and the Comfort-Kendall 11-mile 138-kV transmission circuit (T243)	9/3/2019	5/11/2020	5/11/2020		\$4,415,710			100	138	138	16.93 mi	Bundled 795 DRAKE ACSR	Steel Single Poles	100'	16.93 mi	n/a	n/a	25.101 (C)(5)(B)
1016934	Fayetteville - Winchester TL Upgrade (T166) (Fayetteville-Winchester TL Upgrade - 1016933)	Fayette	Increase capacity and capability of circuit T166 on the Fayetteville - Winchester 138-kV upgrade	9/1/2019	3/23/2020	3/23/2020		\$14,670,056			100	138	138	18.9 mi	1433 kcmil ACSR/TW Merrimack	steel monopoles	100'	18.9 mi	n/a	n/a	25.101 (C)(5)(B)
1019122	T155 Goldsinge - Lyle Woitz Addition (T155) (Lexington CB Addition - 1018914)	Lee	Add two new structures to accommodate substation expansion. Increase transmission service reliability to the Lexington Substation	8/12/2019	10/1/2019	10/1/2019	\$625,546	\$559,000			100	138	138	21 mi	795 ACSR	steel monopoles	100'	21 mi	n/a	n/a	25.101 (C)(5)(B)
1017394	Mountain Home TL Addition (CCN)	Kari Gillespie Kimble	Construct a new 138-kV transmission line to provide a transmission point of interconnection to a new load-serving substation	8/1/2021	12/27/2022		T-line \$415.5 - \$58.5M Substation \$7.1 - \$7.5M				0	0	138	21-29 mi	795 Kcmil 267/ACSR "Drake"	td steel or concrete poles	0	0.00 Mi	varies 100'	21-29 mi	49523
1021664	Rm Rock-Jack Furman TL Add (T381) (Flood Mitigation - 1021663)	Kerr	Replace structure 38 on T381 due to storm water erosion	11/4/2019	11/15/2019	11/15/2019	\$181,000	\$268,000			100	138	138	5.689	338 4 ACSR (267) "Lime" Single	Steel Monopoles & Tower	60'	5.689	n/a	n/a	25.101 (C)(5)(B)
1019026	Fayetteville - Glidden TL Addition (T176) (Fayetteville Area TL Upgrades - 1018913)	Fayette Colorado	Increase the capacity of the Fayetteville to Glidden 138-kV transmission circuit (T176)	9/20/2019	5/14/2020		\$8,708,509				99	138	138	20.02	Single 959 6 ACSR/TW Suwannee & Single OPGW (AFL DNO-11243) Static	Steel Monopoles Hybrid H-Frames	100'	20	n/a	n/a	25.101 (C)(5)(B)
1020270	Amice Creek-Bow Wood TL Add (T709) (Amice Creek Substation Addition - 1020230)	Concho, Tom Green	Provide transmission service to a generator	8/3/2019	3/12/2020	3/12/2020	\$211,645				100	138	138	49.33	(2x) - 1590 kcmil ACSR Falcon	Steel Lattice Steel monopole	160'	49.33	n/a	n/a	25.101 (C)(5)(B)

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1019325	McNeil - Gileland Creek (T147) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Travis	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	1/20/2020	3/31/2020	3/31/2020	\$642,000				100	138	138	7.62	1433 6 ACSS/TW "MERRIMACK" / Single	Steel Monopoles & Tower	100'	7.62	n/a	n/a	25 101 (C)(5)(B)
1019341	Paige - Winchester TL Addition (T615) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Bastrop	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	9/23/2019	12/18/2019	12/18/2019	\$1,449,232	\$3,200,000			100	138	138	14.85	Bundled Limit and Single Drake	Steel Mono Pole, Wood H-Frames, Concrete # Poles	100	14.85	n/a	n/a	25 101 (C)(5)(B)
1019335	Wells Branch - Round Rock (T527) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Travis, Williamson	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	9/16/2019	11/11/2019	11/8/2019	\$385,407	\$1,600,000			100	138	138	5.28	(2) 795 KCMIL ACSR/GA2 "DRAKE"	Steel/Concrete Pole, Concrete H-Frame	100'	5.28	n/a	n/a	25 101 (C)(5)(B)
1017767	Sim Gideon-Winchester TL Addition (T152) [Winchester Autotransformer Additions - 1017413]	Bastrop	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation.	9/1/2019	4/27/2020	4/27/2020	\$2,013,964				100	138	138	20.74	Single 795 267/ ACSR Drake	Lattice Towers & Steel Poles	Varies (75ft & 100ft)	20.74	Varies (75ft & 100ft)	20.84	25 101 (C)(5)(B)
1017769	Smithville-Winchester TL Addition (T175) [Winchester Autotransformer Additions - 1017413]	Bastrop	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	9/1/2019	4/27/2020	4/27/2020	\$643,445				100	138	138	15.10	Single 795 267/ ACSR Drake	Lattice Towers & Steel Poles	Varies (80ft & 100ft)	15.1	Varies (80ft 100ft Aerials to 180ft)	14.7	25 101 (C)(5)(B)
1017771	Winchester - Piney Creek TL Addition (T186) [Winchester Autotransformer Additions - 1017413]	Fayette	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	9/1/2019	3/18/2020	3/18/2020	\$562,421				100	138	138	1.38	Single 1433 6 54/19 ACSR/TW Merrimack/TW	Lattice Towers & Steel Poles	100ft	1.38	100ft	1.58	25 101 (C)(5)(B)
1017773	Winchester - Giddings TL Addition (T222) [Winchester Autotransformer Addition - 1017413]	Bastrop	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	9/1/2019	3/17/2020	3/17/2020	\$774,103				100	138	138	10.51	Single 795 267/ ACSR Drake	Lattice Towers & Steel Poles	Varies (75ft & 100ft)	10.51	Varies (75ft, 100ft)	10.68	25 101 (C)(5)(B)
1017775	Paige-Winchester TL Addition (T615) [Winchester Autotransformer Additions - 1017413]	Lee	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	9/1/2019	4/27/2020	4/27/2020	\$807,091				100	138	138	14.83	Single 795 267/ ACSR Drake	Lattice Towers & Steel Poles	100ft CL	14.83	100ft CL	15.09	25 101 (C)(5)(B)
1018759	Crane-Rio Pecos TL Add (T451) [Castle Mountain Substation Addition - 1018744]	Upton, Crane	Cut-in T451 to a new substation. Provide transmission service (new Castle Mountain substation) for Solar Prime LLC	9/5/2019	3/27/2020	3/27/2020	\$2,746,880				100	138	138	0.044	Bundled 795 ACSR Drake, Single 3/8 EHS Static & Single DNO-11243	Steel Monopole Dead End	n/a	n/a	n/a	n/a	25 101 (C)(5)(B)
1017849	LaGrange - FPP 138-kV TL Addition (T263) [FPP 138-kV - La Grange TL Overhaul - 1017648]	Fayette	Increase the reliability and capability of circuit T263 on the FPP 138-kV - La Grange 7.9-mile 138-kV transmission line	1/24/2020	5/15/2020		\$1,520,674				70	138	138	7.89	Single /95 ACSR Drake & 2 OPGW (4/FL DNO-11243) & (ALCOA 52 OPT-GW)	Steel Monopole Dead Ends Wooden H Frame Tangents	100'	7.8	n/a	n/a	25 101 (C)(5)(B)
1019333	Round Rock - Chief Brady (T378) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Williamson	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	11/4/2019	11/18/2019	11/15/2019	\$469,500	\$1,300,000			100	138	138	1.2	(1) 795 ACSR/GA2 "Drake", RR AF to #250 has (2) 959 ACSR/TW HS "Swananoo"	steel H frame steel lattice	100' CL	1.2	n/a	n/a	25 101 (C)(5)(B)
1019328	Chief Brady - Georgetown (T355) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Williamson	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	1/13/2020	3/2/2020	3/2/2020	\$960,000				100	138	138	3.17	(1) 795 ACSR/GA2 "Drake"	Steel Lattice and pole, Steel H-Frame	100'	3.0	n/a	n/a	25 101 (C)(5)(B)
1019339	Georgetown - Rivney (T597) [LCRA TSC FIBER BUILD OUT FY19 - 1019097]	Williamson	Increase the reliability and capability of the fiber network by adding Optical Grounding Wire (OPGW) and related telecommunications equipment	1/31/2020	11/13/2020		\$1,367,300				20	138	138	5.1	(1) 795 ACSR/GA2 "Drake"	steel H-frame, concrete pole, steel pole	50' CL blanket	5.10	n/a	n/a	25 101 (C)(5)(B)
1019210	Altair-Giddens TL Addition (T544) [Kleemann (Columbus) CB Addition - 1018910]	Upton, Crockett	Increase reliability of transmission facilities on the T544 Giddens-Altair 12.22-mile 69-kV TL	11/4/2019	2/10/2020	2/10/2020		\$1,254,000			100	69	138	3.33	795 ACSR Drake, single	Steel & Concrete monopoles	80' Blanket	12.41	80' Blanket	n/a	25 101 (C)(5)(B)

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1017538	Goforth Turnersville TL Addition (T272) [Crosswinds Substation Addition-1017349]	Hays	Acquire 7.5 acres and expand new LCRA TSC facilities with a three-ring bus configuration	3/10/2020	5/14/2020			\$975,000			99	138	138	3.77	795 ACSR Drake single	Lattice, Wood H-frame Steel monopole	100'	6.69	100'	3.77	25 101 (C)(5)(B)
1017540	Crosswinds-Goforth TL Addition (T661) [Crosswinds Substation Addition-1017349]	Hays	Acquire 7.5 acres and expand new LCRA TSC facilities with a three-ring bus configuration	3/10/2020	5/14/2020			\$101,718			99	138	138	3.31	795 ACSR Drake, single	Wood H-frame Steel monopole	100	n/a	100'	n/a	25 101 (C)(5)(B)
1014015	Camp Wood - Leakey TL Addition (T269) [Camp Wood - Leakey TL Overhaul - 1016183]	Real	Increase the reliability of transmission facilities on the T269 Camp Wood-Leakey 17.3 mile 69-kV transmission line and upgrade the line to 795 ACSR Drake conductor (111 MVA at 69-kV), 138-kV capable with an OPGW shield wire	8/3/2020	6/30/2021			\$26,626,469			0	69	138	1/32	Single 795 ACSR Drake	Steel & Lattice	Vanes - 60	17.32	n/a	n/a	25 101 (C)(5)(B)
1019114	Luling Zorn TL Addition (T158) [Luling-Zorn TL Overhaul - 1019113]	Guadalupe	Increase the reliability of transmission facilities on T158	2/3/2020	5/15/2021		\$500,000				30	138	138	28.02	795 ACSR Drake	Concrete and Steel poles	100'	28.02	n/a	28.02	25 101 (C)(5)(B)
1020456	Hidden Valley McNeil TL Relocation/Addition (T626) [Hidden Valley-McNeil TL Relocation - 1020380]	Travis	Provide transmission service reliability improvements	3/16/2020	4/29/2020	4/29/2020	\$387,972				100	138	138	0.5	(1) 795 ACSR "Drake"	Steel Lattice Tower and Monopole	Centerline	0.5	Centerline	n/a	25 101 (C)(5)(B)
1020454	Harris Branch-McNeil TL Relocation/Addition (T148) [Harris Branch - McNeil TL Relocation - 1020379]	Travis	Provide transmission service reliability improvements	2/20/2020	4/9/2020	4/9/2020	\$623,092				100	138	138	6.87	795 ACSR Drake	Steel Lattice Tower and Monopole	100'	6.87	100	n/a	25 101 (C)(5)(B)
1022277	Roma-Rio Grande City TL Addition (T485) [Escobares Substation Addition - 1022173]	Starr	Provide transmission service to a load-serving substation. Provide real-time monitoring facilities at the Escobares Substation. Provide a transmission point of interconnection	7/13/2020	10/14/2020		\$534,065				0	138kV	138kV	13.7	(1) Drake ACSR	Steel Monopoles	Vanes 80'	12.7	Vanes 40'-100'	0.5	25 101 (C)(5)(B)
1022830	Giddings-Warda TL Addition (T137) [Giddings-Warda TL Upgrade - 1022731]	Fayette Lee	Increase the reliability of transmission facilities on the T137 Giddings - Warda 9.66-mile 69-kV transmission line by converting the line to 138-kV operation and increasing the transmission capacity	4/1/2020	9/7/2020		\$9,374,720				2	Div (De-energized)	138kV	9.66	(1) 959.6 ACSR "Suwannee"	Steel and Concrete Monopoles	100'	9.66	100'	n/a	25 101 (C)(5)(B)
1021401	Burnet-Lampasas TL Addition (T219) [Andice-Bertram-Burnet TL Upgrade - 1021209]	Burnet, Lampasas	Upgrade and reconfigure Burnet Substation to facilitate the Pedernales Electric Cooperative project to upgrade and convert the Andice-Bertram-Burnet 69-kV transmission line to 138 KV operation	3/15/2020	5/15/2021		\$300,000				10	138	138	23.3	Single /95 ACSR Drake	Wood H-frames	Centerline	23.3	Centerline	n/a	25 101 (C)(5)(B)
1020552	Burnet-Lampasas TL Addition (T219) [Burnet-Lampasas TL Overhaul - 1020371]	Burnet, Lampasas	Increase the reliability of transmission facilities on the T219 Burnet - Lampasas 23.4 mile 138-kV transmission line	3/15/2020	5/15/2021		\$16,000,000				15	138	138	23.3	Single 795 ACSR Drake	Wood H-frames	Centerline	23.3	Centerline	n/a	25 101 (C)(5)(B)
1021530	Divide Sub Addition [Divide CB Addition 1021086]	Coke	Add a 345-kV circuit breaker to the existing substation. LCRA will install and maintain a single span from divide substation to Structure 1 at the generator's POI	4/13/2020	6/15/2020		\$2,114,000				95	0	345	0.1	Bundled Drake ACSR, 3/6 EHS DNO-11243	n/a generator's structures	0	0	150	0.2	25 101 (C)(5)(B)
1019285	T271 TL Addition (T271) [Pinvade Circuit Breaker Addition - 1019007]	Cuberson	LCRA TSC will build a new substation (Pinvade) adjacent to T271 to interconnect the new 186.3 MW solar generation facility. Replace transmission structures to allow for substation column and upgraded conductor and OPGW	1/29/2020	8/4/2020		\$10,000,000				35	69	138	18.1	Single 1433 ACSR/TW Merrimack	Steel monopole	100	18.1	100	n/a	25 101 (C)(5)(B)
1017435	Egin Sw-Gileland Creek TL Addition (T421) [Kimbro Substation Addition - 1017433]	Travis, Williamson	Provide transmission service to generator	4/6/2020	10/30/2020		\$751,000				20	138	138	12.9	(1) per phase Merrimack ACSR	Steel Dead-end Monopole	100'	12.9	NA	NA	25 101 (C)(5)(B)

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LCRA TSC
TRANSMISSION MONTHLY CONSTRUCTION PROGRESS REPORT (MCPR)
for
May 2020

Public Utility Commission of Texas
Project No. **50421**

Utility's Project Number	Project Name	Location (City/County)	Description	Estimated (or Actual) Start Date	Finish Date (Construction Complete)	Date Energized (If Applicable)	Initial Estimated Project Cost (\$)	Final Estimated Project Cost (\$)	Final Actual Project Cost (\$)	% Variance	Percent Complete	Existing Voltage (kV)	Upgraded or New Voltage (kV)	Circuit Length (Miles)	Conductor Type & Size & Bundling	Structure Type(s)	Existing ROW Width (Feet)	Existing ROW Length (Miles)	New ROW Width (Feet)	New ROW Length (Miles)	Rule Section or PUC Control Number
1016698	Giddens-Altair TL Addition (T544) [Giddens Area TL Upgrade - 1016219]	Colorado	Increase the capacity and reliability of transmission facilities on the Giddens-Altair 12.2 mile 69-kV transmission line (T544) and the Altair-Nada 14.12 mile 69 kV transmission line (T545)	9/1/2020	1/28/2021		\$830,000				0	138	138	12.2	795 ACSR Drake	Steel & Concrete	80ft	12.2	80ft	12.3	25 101 (C)(5)(B)
1016491	Cushman Hwy 123 TL Add (T572) [Meadow Lake Substation Addition - 1016198]	Guadalupe	Provide transmission service along with metering and real time monitoring facilities for GVEC's new Meadow Lake Substation. Replace structure #30 with two large angle dead end structures to route T572 into and out of the new LCRA/GVEC owned Meadow Lake	8/18/2020	12/23/2020		\$657,452				0	138	138	6.48	Single 795 ACSR Drake	Steel Monopole	80	6.48	n/a	n/a	25 101 (C)(5)(B)
1023383	Altair - Eagle Lake TL Relocation (T547) [Gen Ads FY 20 Altair Eagle Lake Structure Relocation 1023382]	Colorado	Move the structure back approximately 50 ft. to ensure the safety of the transmission line from the eroding river bank	3/23/2020	4/3/2020	4/3/2020	\$294,890				100	69	69	11.74	795 ACSR "Drake" 1/0 ACSR "Raven" 2/0 ACSR "Quinn" 4/0 ACSR "Perquet"	Steel Monopoles Wood Monopoles Wood H-frames Wood 3 Poles	Blanket & Centerline	11.74	n/a	n/a	25 101 (C)(5)(B)
1023677	Asherton - Bevo TL Add (T603) [Asherton - Bevo TL Relocation - 1022862]	Denver	Relocate dead-end structure #1 on the T603 Bevo to Asherton 138-kV transmission line to outside of the AEP-owned Asherton Substation. Re-route and re-terminate T603 to a new point-of-interconnection (POI) structure owned by AEP and installed by AEP outside of the Asherton Substation	11/18/2020	12/18/2020		\$171,000				0	138	138	8.05	(1) 795 Drake ACSR	Steel monopoles	AEP owned	AEP owned	AEP owned	AEP owned	25 101 (C)(5)(B)
1016493	Cushman-Meadow Lake TL Add (T647) [Meadow Lake Substation Add - 1016198]	Guadalupe	Provide transmission service along with metering and real-time monitoring facilities for GVEC's new Meadow Lake Substation.	8/18/2020	12/23/2020		\$640,000				0	138	138	3.6	Single 795 ACSR Drake	Steel monopoles	80	3.6	n/a	n/a	25 101 (C)(5)(B)
1020445	H-Cross-Turner TL Add (T143) [H-Cross-Turner TL Storm Harden-1020386]	Texas, Hays	Increase the reliability of transmission facilities on the T143 H-Cross - Turnersville 6.8-mile 138-kV transmission line	6/3/2020	3/19/2021		\$2,613,986				0	138	138	7.9	bundled 795 ACSR Drake	Concrete and Steel monopoles	100	7.9	n/a	n/a	25 101 (C)(5)(B)
1022213	H-Cross-Turnersville TL Add (T143) [LCRA Fiber Backbone FY20 - 1021196]	Texas, Hays	Increase the reliability of the fiber network by replacing deteriorated OPGW and All-Dielectric Self-Supporting (ADSS) fiber to improve telecommunications system reliability	11/2/2020	3/19/2021		\$904,993				0	138	138	7.9	bundled 795 ACSR Drake	Concrete and Steel monopoles	100	7.9	n/a	n/a	25 101 (C)(5)(B)
1019265	Fayetteville - Belville S TL Add (T216) [New Brenner CB Add - 1018919]	Austin, Colorado, Fayette	Increase the reliability of transmission facilities on the T216 Fayetteville - Belville South 28.19-miles 138-kV Transmission Line	4/12/2021	6/15/2021		\$1,280,162				0	138	138	0.05	1433 6 ACSS MERRIMACK	Steel Pole	100	0.05	n/a	n/a	25 101 (C)(5)(B)
1021775	Twin Buttes-Brown (T551) TL Add [Amos Creek Circuit Breaker Addition - 1021517]	Tom Green, Concho	Cut-in T551 to existing substation to provide transmission services to a generator	8/17/2020	11/24/2020		\$1,118,621				0	345	345	88.3	1590 ACSR Falcon Bundled	Steel Pole	160	88.3	n/a	n/a	25 101 (C)(5)(B)
1023668	Gabriel - Glasscock TL Addition (T359) [Gabriel Substation Upgrade - 1020410]	Williamson	LCRA TSC will upgrade the configuration of 138-kV from Single Bus/Single Breaker to the breaker and a half bus configuration and replace five existing CBs at Gabriel Substation	7/1/2020	2/15/2022		\$200,000				0	138	138	6.59	Single 795 ACSR Drake	Steel Pole	80	6.59	n/a	n/a	25 101 (C)(5)(B)
1021176	Gabriel-Jarrell TL Addition (T244) [Gabriel Substation Upgrade - 1020410]	Williamson	LCRA TSC will upgrade the configuration of 138-kV from Single Bus/Single Breaker to the breaker and a half bus configuration and replace five existing CBs at Gabriel Substation	7/1/2020	2/15/2022		\$288,624				0	138	138	1.26	Single 795 ACSR Drake	Steel Pole	80	1.26	n/a	n/a	25 101 (C)(5)(B)
1021174	Gabriel-Georgetown East TL Addition (T273) [Gabriel Substation Upgrade - 1020410]	Williamson	LCRA TSC will upgrade the configuration of 138-kV from Single Bus/Single Breaker to the breaker and a half bus configuration and replace five existing CBs at Gabriel Substation	7/1/2020	2/15/2022		\$200,000				0	138	138	1.26	Single 795 ACSR Drake	Steel Pole	80	1.26	n/a	n/a	25 101 (C)(5)(B)
1023367	Gabriel - Rivery TL Addition (T457) [Gabriel Substation Upgrade - 1020410]	Williamson	LCRA TSC will upgrade the configuration of 138-kV from Single Bus/Single Breaker to the breaker and a half bus configuration and replace five existing CBs at Gabriel Substation	7/1/2020	2/15/2022		\$200,000				0	138	138	2.43	Bundled 795 ACSR Drake	Steel Pole	varies	2.43	n/a	n/a	25 101 (C)(5)(B)

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1023956	Farland-Lago Vista TL Add (T414) [Transmission Connector Shunt NORTH - FY 2020 System Upgrade - 1023813]	Burnet, Travis	Improve the reliability of transmission facilities by installing transmission connector shunts on the 12.6-mile Coronado-Farland, 5-mile Lakeway-Marshall Ford and 21.4-mile Farland-Lago Vista 138-kV transmission lines.	6/23/2020	7/24/2020		\$685,770				0	138	138	21	795 Conductor ACSR 795 Drake ACSR	Lattice Towers	100'	21	n/a	n/a	25 101 (C)(5)(B)
1023967	Coronado-Farland TL Add (T110) [Transmission Connector Shunt NORTH - FY 2020 System Upgrade - 1023813]	Burnet, Llano	Improve the reliability of transmission facilities by installing transmission connector shunts on the 12.6-mile Coronado-Farland, 5-mile Lakeway-Marshall Ford and 21.4-mile Farland-Lago Vista 138-kV transmission lines.	6/1/2020	6/22/2020		\$347,179				0	138	138	12.4	Single 795 ACSR/SD Conductor and Single 795 ACSR Drake	Lattice Towers	100'	12.4	n/a	n/a	25 101 (C)(5)(B)
1023949	Fayetteville-Salem TL Add (T177) [Transmission Connector Shunt EAST - FY 2020 System Upgrade - 1023812]	Austin, Washington, Fayette	Improve the reliability of transmission facilities by installing transmission connector shunts on the 19.3-mile double circuit consisting of FPP Yard #1-Salem 345-kV and Fayetteville-Salem 138 kV transmission lines.	6/18/2020	7/17/2020		\$211,304				0	138	138	19.32	Single 795 ACSR/SD Conductor and Single 795 ACSR Drake	Lattice Towers	varies	19.32	n/a	n/a	25 101 (C)(5)(B)
1023948	FPP Yard #1-Salem TL Add (T211) [Transmission Connector Shunt EAST - FY 2020 System Upgrade - 1023812]	Austin, Washington, Fayette	Improve the reliability of transmission facilities by installing transmission connector shunts on the 19.3-mile double circuit consisting of FPP Yard #1-Salem 345-kV and Fayetteville-Salem 138-kV transmission lines.	6/18/2020	7/17/2020		\$392,422				0	345	345	27.43	Single 795 ACSR/SD Conductor and Single 795 ACSR Drake	Lattice Towers	varies	27.43	n/a	n/a	25 101 (C)(5)(B)
1023901	Lockhart - Luling TL Add (T184) [Transmission Connector Shunt SOUTH - FY 2020 System Upgrade - 1023814]	Caldwell	Improve the reliability of transmission facilities by installing transmission connector shunts on the 16.8-mile Lockhart Luling and 17.1-mile Lockhart Red Rock 138-kV transmission lines.	6/15/2020	7/17/2020		\$80,665				0	138	138	16.63	Single 795 ACSR/SD Conductor and Single 795 ACSR Drake	Lattice Towers, Wood H-Frames	varies	16.63	n/a	n/a	25 101 (C)(5)(B)
1023918	Lockhart - Red Rock TL Add (T576) [Transmission Connector Shunt SOUTH - FY 2020 System Upgrade - 1023814]	Bastrop, Caldwell	Improve the reliability of transmission facilities by installing transmission connector shunts on the 16.8-mile Lockhart Luling and 17.1-mile Lockhart-Red Rock 138-kV transmission lines.	6/1/2020	7/17/2020		\$95,046				0	138	138	17.11	Single 795 ACSR/SD Conductor and Single 795 ACSR Drake	Lattice Towers, Wood H-Frames	varies	17.11	n/a	n/a	25 101 (C)(5)(B)
1014165	Goldthwaite - Lampasas TL Addition (T128) [Goldthwaite - Lampasas TL Overhaul - 1015217]	Mills, Hamilton, Lampasas	Increase the reliability of circuits T128 & T672 on the Goldthwaite - Lampasas 49.77-mile 138-kV transmission line.	7/1/2020	5/13/2021		\$2,844,099				0	138	138	23.74	Single 795 Drake ACSR	Steel poles, Steel & Wood H-frames	100' and centerline	23.74	n/a	n/a	25 101 (C)(5)(B)
1021428	SherwoodShores Coronado TL Addition (T635) [Coronado-Sherwood Shores TL SH - 1021111]	Burnet	Increase the reliability of circuit T635 on the Coronado - Sherwood Shores 12.2-mile 138 kV transmission line.	9/21/2020	5/16/2021		\$9,946,069				0	138	138	12.15	Single 795 Drake ACSR	Steel Poles/Steel Lattice	Centerline	12.15	n/a	n/a	25 101 (C)(5)(B)
1020467	Gabriel - Rivery TL Addition (T457) [Gabriel-Rivery TL SH - 1019052]	Williamson	Increase the capacity and reliability of circuit T457 on the Gabriel - Rivery 2.4-mile 138-kV transmission line.	9/4/2020	5/14/2021		\$4,762,542				0	138	138	2.43	Bundled 795 Drake ACSR	Steel Poles	40' & 100'	2.4	60, 80, 120, 130, 150	2.4	25 101 (C)(5)(B)
1019172	Turtle Creek - Hunt TL Add (T240) [Turtle Creek Substation Upgrade - 1018970]	Kerr	Increase Reliability to the Turtle Creek substation	9/1/2020	10/6/2020		\$55,332				0	138	138	0.1	Single 336 ACSR Linnet	Wood poles	n/a	n/a	80 ft (Temporary)	0.1 mi (Temporary)	25 101 (C)(5)(B)
1019170	TurtleCreek - VerdeCreek TL Addition (T221) [Turtle Creek Substation Upgrade - 1018970]	Kerr	Increase Reliability to the Turtle Creek substation	9/1/2020	10/6/2020		\$151,368				0	138	138	0.1	Single 336 ACSR Linnet	Wood poles	n/a	n/a	80 ft (Temporary)	0.1 mi (Temporary)	25 101 (C)(5)(B)
1023941	Evant - Lampasas TL Addition (T672) [Goldthwaite-Lampasas TL OH - 1015217]	Lampasas, Coryell	Increase the reliability of circuits T128 & T672 on the Goldthwaite - Lampasas 49.77-mile 138 kV transmission line.	7/1/2020	3/10/2021		\$1,925,851				0	138	138	26.02	Single 795 Drake ACSR	Steel poles, Steel & Wood H-frames	100' and centerline	26.02	n/a	n/a	25 101 (C)(5)(B)

Justin Stryker
Regulatory Affairs
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1024000	Lakeway - MarshallFord TL Addition (T180) [Transmission Connector Shunt North FY 2020 System Upgrade - 1023813]	Texas	Improve the reliability of transmission facilities by installing transmission connector shunts	7/27/2020	7/28/2020		\$51,844				0	138	138	0.27	Single /55 Condor ACSR/SD	Lattice Towers	100'	0.27	n/a	n/a	25.101 (C)(S)(B)

AFFIDAVIT OF NOTICE

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STATE OF TEXAS

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§BEFORE ME, the undersigned authority, on this day personally appeared Sheri Schneider, and being by me duly sworn, upon oath declared that the statements and capacity acted in are true and correct.

"My name is Sheri Schneider. I am an employee of the Lower Colorado River Authority (LCRA). I am over twenty-one years of age and I am competent to make this Affidavit. I have personal knowledge of the facts contained herein and they are true and correct.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-128, Goldthwaite – Lampasas, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Hamilton Electric Cooperative whose certified service areas are crossed by the T-128, Goldthwaite – Lampasas, 138 kilovolt transmission line.

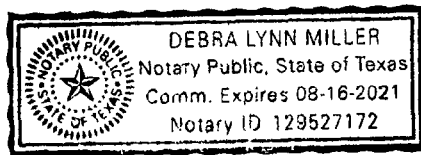
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls Lampasas, Mill and Hamilton counties. The certificated utilities described in b above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

SIGNED on this the 14th day of May, 2020

Sheri Schneider

AFFIANT: Sheri Schneider

SWORN TO AND SUBSCRIBED BEFORE ME this the 14th day of May, 2020.



Debra Lynn Miller
Notary Public in and for the
State of Texas

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In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-635, Sherwood Shores - Coronado, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Pedernales Electric Cooperative whose certified service areas are crossed by the T-635 Sherwood Shores - Coronado, 138 kilovolt transmission line.
- (c) Notice to Central Texas Electric Cooperative whose certified service areas are crossed by the T-635 Sherwood Shores - Coronado, 138 kilovolt transmission line.

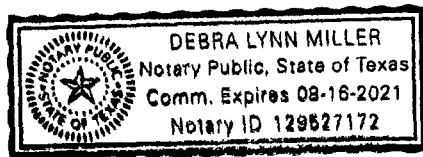
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In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-457, Gabriel - Rivery, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Pedernales Electric Cooperative whose certified service areas are crossed by the T-457, Gabriel - Rivery, 138 kilovolt transmission line.
- (c) notice to City of Georgetown whose certified service areas are crossed by the T457, Gabriel - Rivery, 138 kilovolt transmission line.

The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls Williamson County. The certificated utilities described in b above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

SIGNED on this the 14th day of May, 2020

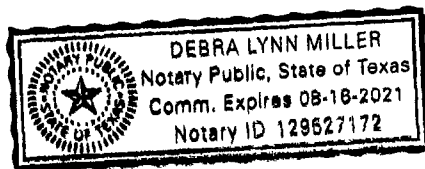
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In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-240, Turtle Creek -Hunt, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Central Texas Electric Cooperative whose certified service areas are crossed by the T-240, Turtle Creek - Hunt, 138 kilovolt transmission line.
- (c) notice to Bandera Electric Cooperative whose certified service areas are cross by the T-240, Turtle Creek – Hunt, 138 kilovolt transmission line.
- (d) notice to Kerrville Public Utility Board whose certified service areas are cross by the T-240, Turtle Creek – Hunt, 138 kilovolt transmission line.

The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls Kerr County. The certificated utilities described in b above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

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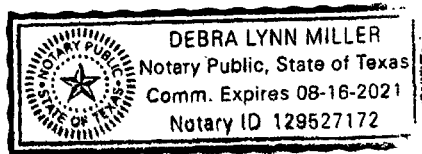
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In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-221, Turtle Creek – Verde Creek, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Central Texas Electric Cooperative whose certified service areas are crossed by the T-221, Turtle Creek – Verde Creek, 138 kilovolt transmission line.
- (c) notice to Bandera Electric Cooperative whose certified service areas are cross by the T-221, Turtle Creek – Verde Creek, 138 kilovolt transmission line.
- (d) notice to Kerrville Public Utility Board whose certified service areas are cross by the T-221, Turtle Creek – Verde Creek, 138 kilovolt transmission line.

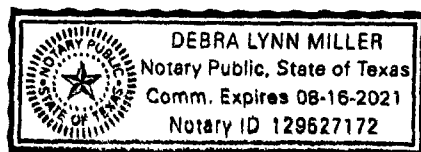
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls Kerr County. The certificated utilities described in b above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

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In accordance with P U C Proc Rule 25 83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to

- (a) owners of land crossed by the existing transmission facility to be modified —T-672, Evant — Lampasas, 138 kilovolt transmission line

In accordance with P U C Proc Rule 25 83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail

- (b) notice to Hamilton Electric Cooperative, City of Lampasas whose certified service areas are crossed by the T-672, Evant — Lampasas , 138 kilovolt transmission line

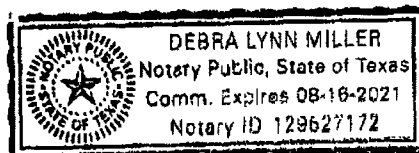
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In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

- (a) owners of land crossed by the existing transmission facility to be modified – T-180, Marshall Ford -Lakeway, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on or before May 15, 2020 LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Austin Energy whose certified service areas are crossed by the T-180, Marshall Ford - Lakeway, 138 kilovolt transmission line.

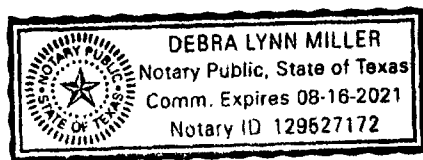
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls Travis County. The certificated utilities described in b above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

SIGNED on this the 14th day of May, 2020

Sheri Schneider

AFFIANT: Sheri Schneider

SWORN TO AND SUBSCRIBED BEFORE ME this the 14th day of May, 2020.



Debra Lynn Miller
Notary Public in and for the
State of Texas