

Control Number: 50421



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PUBLIC UTILITY COMMISSION
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LCRA TSC
TRANSMISSION MONTHLY CONSTRUCTION PROGRESS REPORT (MCPR)
for
March 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
1010556	Blumenthal TL Addition (T637)	Gillespie, 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	\$21,538,000 T-Line, \$3,936,000 Substation, \$1,634,000 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-Marlen 345kV TL Addition (CCN - Docket No 45801)	Guadalupe	Construct a new 345-kV transmission line to provide a transmission point of interconnection between Central Texas and San Antonio area	6/1/2018	5/30/2019	5/30/2019	T-Line \$43,250,111 M, Substation \$7,505,000	\$49,725,445			100	0	345	18.24 mi	3x2-959.6 ACSR/TW "Suwannee"	Steel Poles	Vanes	7-11 mi		10 - 14 mi	45801
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	6/29/2020		T-Line \$ 67.8 - 99.6 M, Substations \$ 14.9 - 17.4 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	45866
1017028	Manor-Cedar Hills TL Addition (T495) Phase 1 (Flood Remediation Substation Upgrade - 1016539)	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 Towers	100'	8.21 mi	n/a	n/a	25 101 (C)(5)(B)
1017998	Hamilton Road - Uvalde Fiber Addition (T570), (T624) & (T484)	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		99	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	4/16/2018	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-Cornat 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-Colton-Etrey (T397)	Caldwell, Travis	Add circuit breakers at Colton Substation. Add OPGW to (T397) Mendoza - Colton - Etrey. 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)(173), 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)(173) Harwood-Luling and Luling-Waelder	2/28/2018	5/14/2019	Phase 1 6/29/2019 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 ACSR "Drake", Phase 2 Drake 795 ACSR & 26/7 & 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-Marlen TL Addition (419)	Guadalupe	Replace 3 double-circuit lattice tower structures with 3 CREZ F5 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	8.6 mi	3x2- 795 ACSR "Drake"	Steel Lattice	100' Centerline	8.6 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	\$1,156,000		100	138	138	3.46 mi	2x1- 795 ACSR "Drake"	Steel Poles, Concrete Poles	Vanes	3.46 mi	n/a	n/a	25 101 (C)(5)(B)
1017403	Sim Gideon-Smithville TL Storm Hardening - (T150)	Bastrop	Increase the reliability of transmission facilities on the Sim Gideon - Smithville 13.8-mile 138-kV transmission line (T150)	7/17/2018	3/18/2019	3/18/2019		\$2,438,690	\$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)
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 CONDOOR ACSR/RSD	Lattice Towers & Steel Poles	100' Centerline	21.38 mi	100' Centerline	21.38 mi	25 101 (C)(5)(B)

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Justin Stryker
Regulatory Affairs
P O Box 220, Mailstop DSC D140
Austin, TX 78767
justin.stryker@icra.org

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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	1/21/2021		\$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		\$749,379	\$2,153,903			95	138	138	37.28 mi	(1) 795 kcmil ACSR/AW "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 (T165) (Winchester Autotransformer Addition - 1017413)	Fayette	LCRA TSC will install a new autotransformer capacity, add new structures Winchester Substation	10/1/2018	3/25/2020		\$1,012,865	\$2,382,473			95	138	138	18.82 mi	(1) 795 kcmil ACSR/AW "Drake"	H-Frames, Steel Poles, & Lattice Towers	100' Centerline	18.75 mi	n/a	n/a	25 101 (C)(5)(A)
1017550	Raymond F Barker-Comfort TL Addition (T121) (Cypress Creek Circuit Breaker Project 1017351)	Lee/Fayette	Acquire 5 acres and expand new LCRA TSC facilities with a three-ring bus configuration	3/1/2019	5/14/2019	5/14/2019	\$230,513	234,000	234,269	0%	100	138	138	10.03 mi	1-795 ACSR "Drake"	Steel Monopoles	Varies	10.03 mi	n/a	n/a	25 101 (C)(5)(A)
1017495	Brenham North - Waller TL Addition (T232) (Flood Mitigation - FY2018 System Upgrade 1017378)	Waller, Washington	Reduce flood risk and potential damage to substation equipment	9/23/2018	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/TWC7 (BETWEEN #171 TO #181)	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 - 1018925)	Fayette	Increase the reliability of substation equipment at the Riverside Substation	1/28/2018	10/15/2020		\$356,355	\$1,589,877			70	138	138kv	8.38 mi	795 ACSR GA2 Drake 3/8 GHS 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 - 1018965)	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 McCamey-Robbins SW TL Addition (T456) (Robbins 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/Orion/NWP Tap)	11/27/2018	10/13/2019	10/13/2019		\$4,879,000			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)
1017586	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	16.40 mi	3x2, 795 kcmil "Drake"	Steel & Concrete Poles	80'	16.4 mi	n/a	n/a	25 101 (C)(5)(A)
1018213	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 Onor	1/7/2018	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)
1018702	Altair - Nada TL Addition (T545) (Gladden Area TL Upgrade - 1016219)	Colorado	OPGW (fiber) installation (T545) and Substation upgrade at Nada and Altair substations from 69kV to 138kV	12/3/2018	5/31/2018	5/31/2019	\$2,312,000	\$6,800,000			100	69	138	14.12 mi	795 Drake ACSR & 28/7 & Single	Steel, Wood, & Lattice	Blanket	14.12 mi	Blanket	14.1 mi	25 101 (C)(5)(B)
1019321	Lakeway-Marshall Ford T179 Addition (T178) (Lakeway AE Marshall Ford TL SH - 1019096)	Travis	Increase the reliability of circuit (T179) on the Lakeway (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	Lakeway-Marshall Ford Fiber Addition (T178) (LCRA Fiber Backbone FY19 Telecom Upgrade - 1019084)	Travis	LCRA will install 2.42 miles of 72-count OPGW from Lakeway (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 (T667,T170) (Wards Circuit Breaker Addition - 1017411)	Fayette	Increase reliability of transmission facilities on the (T170) Winchester-Salem 34 # mile 138kV transmission line. Cut-in to new A-frames at existing Wards Sub and renumber Wards to Salem as (T667)	12/1/2016	12/20/2016	12/20/2016		\$863,000			100	138	138	34.6 mi	Single (1/phase) 795kcmil ACSR "Drake"	Steel monopole	100'	34.6 mi	n/a	n/a	25 101 (C)(5)(B)
1019317	Rockport-Fulton T474 TL Addition (T474) Hurricane Response System Upgrade - 1019095	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	\$852,895	\$3,836,000			100	69	69	7.4 mi	(1x) 795 ACSR/AW Drake	Steel Monopole, Concrete Monopole	Unknown (AEP-owned)	-	-	-	25 101 (C)(5)(B)
1017557	Deer Creek-Luling TL Addition (T538) (Darst Creek Circuit Breaker Addition - 1017352)	Guadalupe	Add four 138-kV, 3000A, 40kAIC circuit breakers in a ring bus configuration to Darst 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)
1017459	Bastrop-West-Sin Gideon TL Addition (T410) (Flood Mitigation - FY2018 System Upgrade - 1017378)	Bastrop	Reduce flood risk and potential damage to substation equipment	1/4/2019	3/6/2019	3/6/2019	\$897,396	\$1,238,000			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	Rim Rock - Turtle Creek TL Addition (T270) (Rim Rock - Turtle Creek TL Storm Hardening - 1016668)	Kerr	Increase the reliability of circuit (T270) on the Rim Rock - Turtle Creek 7.6 mile 138kV transmission line	9/16/2020	5/5/2021		\$6,523,068	\$7,002,025			0	138	138	7.6 mi	(1x) 795 ACSR Drake	Steel Monopole	80', 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 69-kV 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	4/6/2020		\$831,439	\$1,553,000			70	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			5	0	345	130-190 mi	1926 # kcmil ACSS/Cumbert and (LCRA TSC) and 1550 ACSR (AEP Texas)	Double-circuit steel lattice towers	0	0	150'	68 - 92 mi	48767
1017897	Culberson-Kuntz TL Addition (T271) (Culberson-Kuntz TL Overhaul - 1017896)	Culberson	Structure replacement upgrades to steel and concrete Poles	5/28/2019	4/30/2020		\$507,000	\$593,494			60	138	138	28.85 mi	Linnel, 336kcmil 0.721"	Wood	100'	28.85 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 - 1019087)	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	12/18/2020		\$1,737,273	\$1,833,576			95	345	345	49 mi	1580 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) (T967) (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 - 1020558)	Burnet	Increase the reliability of transmission facilities on the T185 Granite Mountain - Marble Falls 4.1-mile 138-kV transmission line	11/1/2019	3/20/2020			\$3,295,621			90	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)
1016578	Fair Oaks Ranch - Esperanza TL Addition (T503) (Esperanza Substation Addition - 1016187)	Kendall	LCRA TSC will build a 138kV substation and out-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 10mil ACSR	Steel Poles	100'	8.11	80'	8.25	25 101 (C)(5)(B)
1016745	Flatonia-Hallettsville TL Addition (T132) (Flatonia - Hallettsville TL Upgrade - 1016188)	Fayette, Lavaca	Upgrade the capacity of the 18.7 mile Flatonia-Hallettsville 138-kV transmission line from 128 MVA to 260 MVA using 959 ACSR Suwannee conductors and OPGW	9/27/2019	5/14/2020		\$9,338,490	\$7,000,000			55	138	138	18.68	Single 959 6 10mil ACSR/TW	Wood H-frame & Steel Poles	100'	18.68	100'	18.68	25 101 (C)(5)(B)
1017708	Geronimo-Seguin TL Addition (T499) (Jim Biley Substation Addition - 1017404)	Guadalupe	LCRA TSC will construct a new 138-kV substation between the Geronimo Substation and Seguin Substation. LCRA TSC will extend (T-499) Geronimo to Seguin 138-kV transmission line for approximately 500 feet in and out of the Stempel 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 10mil 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) (BoerneCioCoComitKendall TL Upgrade - 1019089)	Kendall	Increase capacity and reliability of the transmission facilities of the Boerne CioCo - Comfort 17-mile 138kV transmission circuit (T148) and the Comfort 1 - Kendall 1.1-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	BoerneCioCo-Comfort T148 TL Addition (T148) (BoerneCioCoComitKendall TL Upgrade - 1019089)	Kendall	Increase capacity and reliability of the transmission facilities of the Boerne CioCo - Comfort 17-mile 138kV transmission circuit (T148) and the Comfort 1 - Kendall 1.1-mile 138-kV transmission circuit (T243)	10/21/2019	5/11/2020			\$4,415,710			60	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)
1018934	Fayetteville - Winchester TL Upgrade (T165) (Fayetteville-Winchester TL Upgrade - 1018933)	Fayette	Increase capacity and capability of circuit T165 on the Fayetteville - Winchester 138-kV upgrade	9/1/2019	4/30/2020			\$14,670,056			90	138	138	18.9 mi	1433 10mil ACSR/TW Merrimack	steel monopoles	100'	18.9 mi	n/a	n/a	25 101 (C)(5)(B)
1019122	T155 Giddings - Lyle Wolz Addition (T155) (Leongton CB Addition - 1018014)	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)	Kerr, 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 \$46.5 - \$58.5M, Substation \$7.1 - \$7.5M				0	0	138	21-29 mi	795 10mil 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	336 4 ACSR (267) "Linnet" Single	Steel Monopoles & Tower	60'	5.689	n/a	n/a	25 101 (C)(5)(B)
1019026	Fayetteville - Glidden TL Addition (T176) (Fayette Area TL Upgrades - 1018813)	Fayette, Colorado	Increase the capacity of the Fayetteville to Glidden 138-kV transmission circuit (T176)	9/20/2019	5/26/2020		\$8,708,509				65	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)

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1020270	Amos Creek-Bow Wood TL Add (T708) [Amos Creek Substation Addition - 1020230]	Concho, Tom Green	Provide transmission service to a generator	9/3/2019	12/18/2020		\$211,645				95	138	138	49.33	(2d) - 1590 kcmil ACSR Falcon	Steel Lattice, Steel monopole	160	49.33	n/a	n/a	25 101 (C)(5)(B)
1019325	McNeil - Glendale 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	4/1/2020		\$642,000				50	138	138	7.62	1433 E ACSR/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 Linnet 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	8/16/2019	11/1/2019	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	8/1/2019	4/27/2020		\$2,013,964				95	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	4/21/2020		\$643,445				95	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	8/1/2019	3/25/2020		\$562,421				95	138	138	1.38	Single 1433 E 54/19 ACSR/TW Merrimack/TW	Lattice Towers & Steel Poles	100ft	1.38	100ft	1.59	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	3/25/2020		\$774,103				85	138	138	10.51	Single 795 267' ACSR Drake	Lattice Towers & Steel Poles	Varies (75ft & 100ft)	10.51	Varies (75ft, 100ft)	10.65	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	4/22/2020		\$807,091				95	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	3/26/2020		\$2,746,880				80	138	138	0.044	Bundled 795 ACSR Drake Single 3/4" EHS Static & Single DNG-11243	Steel Monopole Dead End	n/a	n/a	n/a	n/a	25 101 (C)(5)(B)
1017649	LaGrange - FPP 138kV TL Addition (T263) [FPP 138kV - La Grange TL Overhaul - 1017648]	Fayette	Increase the reliability and capability of circuit T263 on the FPP 138kV - La Grange 7.9-mile 138-kV transmission line	1/24/2020	5/7/2020		\$1,520,674				40	138	138	7.89	Single 795 ACSR Drake & 2 OPGW (AFL DNG-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 #55B has (2) #59 ACSR/TW HS "Suwannee"	Steel H-frame, steel lattice	100' CL	1.2	n/a	n/a	25 101 (C)(5)(B)
1019329	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 - Rivery (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-Glidden TL Addition (T544) [Kiermann (Columbus) CB Addition - 1018810]	Upton, Crockett	Increase reliability of transmission facilities on the T544 Glidden-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	5/5/2020			\$975,000			10	138	138	3.77	795 ACSR Drake, single	Lattice, Wood H-frame, Steel monopole	100'	6.68	100'	3.77	25 101 (C)(5)(B)
1017540	Crosswinds-Goforth TL Addition (T651) [Crosswinds Substation Addition-1017349]	Hays	Acquire 7.5 acres and expand new LCRA TSC facilities with a three-ring bus configuration	3/10/2020	5/5/2020			\$101,718			10	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 (T268) [Camp Wood - Leakey TL Overhaul - 1016183]	Real	Increase the reliability of transmission facilities on the T268 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	7/23/2020	6/30/2021			\$26,526,469			0	69	138	17.32	Single 795 ACSR Drake	Steel & Lattice	Varies - 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			\$367,972			0	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 (T145) [Harris Branch - McNeil TL Relocation - 1020378]	Travis	Provide transmission service reliability improvements	2/20/2020	4/30/2020			\$623,092			35	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 (T465) [Escobares Substation Addition - 1022173]	Star	Provide transmission service to a load-serving substation Provide real-time monitoring facilities at the Escobares Substation. Provide a transmission point of interconnection	6/5/2020	9/30/2020			\$534,065			0	138kV	138kV	13.7	(1) Drake ACSR	Steel Monopoles	Varies 50'-80'	12.7	Varies 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 68-kV transmission line by converting the line to 138-kV operation and increasing the transmission capacity	3/24/2020	2/5/2021			\$8,374,720			0	0kv (De- energized)	138kv	9.66	(1) 959.6 ACSS "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 68-kV transmission line to 138-kV operation	3/15/2020	4/28/2021			\$300,000			0	138	138	23.3	Single 795 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	4/28/2021			\$16,000,000			0	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	5/1/2020			\$2,114,000			0	0	345	0.1	Bundled Drake ACSR, 3/8 EHS, DNO- 11243	n/a generator's structures	0	0	150'	0.2	25 101 (C)(5)(B)
1019285	T271 TL Addition (T271) [Pinnacle Circuit Breaker Addition - 1019007]	Culberson	LCRA TSC will build a new substation (Pinnacle) adjacent to T271 to interconnect the new 180.3 MW solar generation facility. Replace transmission structures to allow for substation cut-in and upgraded conductor and OPGW	1/29/2020	8/4/2020			\$10,000,000			15	69	138	18.1	Single 1433 ACSS/TW Merrimack	Steel monopole	100	18.1	100'	n/a	25 101 (C)(5)(B)
1017435	Elgin Sw-Gileland Creek TL Addition (T421) [Kimbro Substation Addition - 1017433]	Travis Williamson	Provide transmission service to generator	3/31/2020	10/1/2020			\$751,000			0	138	138	12.9	(1) per phase Merrimack ACSS	Steel Dead- end Monopole	100'	12.9	NA	NA	25 101 (C)(5)(B)

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1016498	Glidden-Altair TL Addition (T544) [Glidden Area TL Upgrade - 1016219]	Colorado	Increase the capacity and reliability of transmission facilities on the Glidden-Altair 12.2 mile 69-kV transmission line (T544) and the Altair-Nada 14.12 mile 69-kV transmission line (T545)	8/1/2020	1/28/2020		\$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.	8/23/2020	12/18/2020		\$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 Add 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	4/1/2020		\$294,890				0	69	69	11.74	795 ACSR "Drake" 10 ACSR "Raven" 210 ACSR "Quail" 410 ACSR "Pensum"	Steel Monopoles Wood Monopoles Wood H-frame Wood 3 Poles	Blanket & Centerline	11.74	n/a	n/a	25 101 (C)(5)(B)
1023877	Asherton - Bevo TL Add (T603) [Asherton - Bevo TL Relocation - 1022882]	Dimit	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.	9/15/2020	3/11/2021		\$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.	8/23/2020	12/18/2020		\$640,000				0	138	138	3.6	Single 795 ACSR Drake	Steel monopole	80	3.6	n/a	n/a	25 101 (C)(5)(B)
1020445	Hi-Cross-Turner TL Add (T143) [Hi-Cross-Turner TL Storm Harden-1020386]	Travis, Hays	Increase the reliability of transmission facilities on the T143 Hi-Cross - Turnersville 8.8 mile 138 kV transmission line.	6/3/2020	4/15/2021		\$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	Hi-Cross-Turnersville TL Add (T143) [LCRA Fiber Backbone FY20 - 1021195]	Travis, Hays	Increase the reliability of the fiber network by replacing deteriorated OPGW and All-Dielectric Self-Supporting (ADSS) fiber to improve telecommunications system reliability.	9/16/2020	4/15/2021		\$304,893				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)

AFFIDAVIT OF NOTICE

STATE OF TEXAS

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

"My name is Larry Hendrix. 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 March 13, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

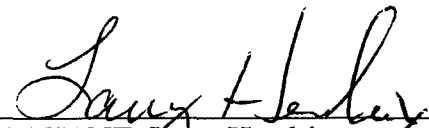
- (a) owners of land crossed by the existing transmission facility to be modified T-647, Cushman to Highway 123, 138 kilovolt transmission line, Meadow Lake Substation Addition.

In accordance with P.U.C. Proc. Rule 25.83, on March 13, 2020, LCRA Transmission Services Corporation mailed by first class mail:

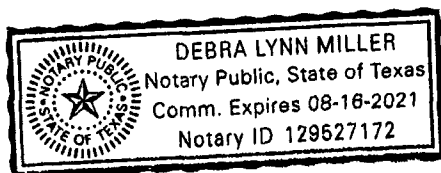
- (b) notice to Guadalupe Valley Electric Cooperative whose certificated service area is crossed by the T-647, 138 kilovolt transmission line.

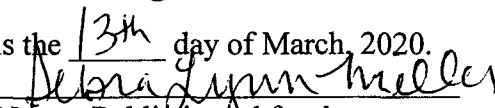
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls in Guadalupe county. The certificated utility described in (b) above, was ascertained by reference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

SIGNED on this the 13th day of March, 2020.


AFFIANT: Larry Hendrix

SWORN TO AND SUBSCRIBED BEFORE ME this the 13th day of March, 2020.




Notary Public in and for the
State of Texas

AFFIDAVIT OF NOTICE

STATE OF TEXAS

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

"My name is Larry Hendrix. 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 March 13, 2020, LCRA Transmission Services Corporation completed a search and mailed notice to:

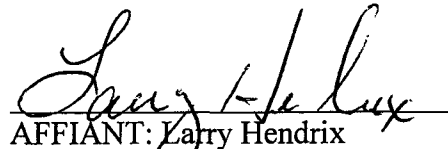
- (a) owners of land crossed by the existing transmission facility to be modified T-143 Turnersville Substation to Hi-Cross Substation, 138 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on March 13, 2020, LCRA Transmission Services Corporation mailed by first class mail:

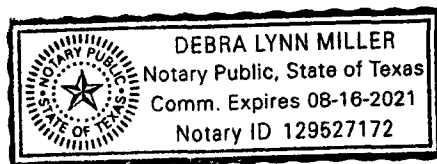
- (b) notice to Austin Energy whose certificated service area is crossed by the T-143, 138 kilovolt transmission line.
- (c) notice to Pedernales Electric Cooperative Inc. whose certificated service area is crossed by the T-143, 138 kilovolt transmission line.

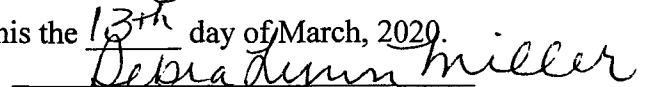
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls in Hays and Travis counties. The certificated utility described in (b) and (c) above, was ascertained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

SIGNED on this the 13th day of March, 2020.


AFFIANT: Larry Hendrix

SWORN TO AND SUBSCRIBED BEFORE ME this the 13th day of March, 2020.




Notary Public in and for the
State of Texas