



Control Number: 50421



Item Number: 366

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**ELECTRIC TRANSMISSION TEXAS
CONSTRUCTION PROGRESS REPORT
DECEMBER 2020**

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

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ETT-072A 39116	Barney Davis to Naval Base Substation 138-kV Transmission Line	Nueces	Construct new 138-kV transmission line (overhead/underground) from Barney Davis to Naval Base Substations	10/6/2016	8/31/2017	9/11/2017	\$ 43,955,000.00	\$ 43,955,000.00			90		138	5.2 (ov hd) 2.5 (under grd)	959.6 ACSR/TW/AW (ov hd) 5000kcmil enameled copper cable (undergrd)	Typical Single Steel Pole w/ few h type around t line crossings (ovhd) concrete duct (under grd)			Typical 100 (ovhd) 50 (undergrd)	5.2 (ovhd) 2.5 (undergrd)	42467	CCN approval on 05/28/2015
ETT-142 P15153001	Falfurrias 69-kV SVC	Brooks	Replace DSTATCOM with Static VAR Compensator (SVC) and install bus tie to SVC	11/29/2016	5/31/2019	12/19/2019		\$ 19,066,707.00			99	69									16 TAC 25.83(a)(3)	Corrected Voltage
ETT-141 ETT800213	BM Davis Station Upgrades	Nueces	Replace five circuit breakers and replace differential relays	11/29/2016	6/28/2019	4/10/2019		\$ 3,166,162.00			99	138									16 TAC 25.83(a)(3)	New Property Acquired for DICM
ETT-140 ETT800211	Oklahoma Substation	Wilbarger	Replace 138-kV and 345-kV breakers and switches	10/6/2017	12/31/2017	12/14/2018		\$ 10,440,000.00			99	345 / 138									16 TAC 25.83(a)(3)	Within Station Property
42599598	SW Vernon Connect Oklahoma	Wilbarger	Oklahoma Add wave trap Connection to SW Vernon	1/22/2018	1/31/2019	12/14/2018		\$ 1,200,000.00	\$ 164,622.55	-13%	100	138									16 TAC 25.83(a)(3)	Within Station Property
42681304	Yellow Jacket Station	Menard/Menard	Replace relays and Corner Equipment to match Temporary Cactus Flats Tap and future Treadwell station relays	3/20/2018	5/5/2018	5/15/2018		\$ 506,892.00			99	138									16 TAC 25.83(a)(3)	Within Station Property
ETT-139 ETT600803	Maplewood Interconnection Add 2nd Circuit to serve Red Barn IPP- Owned Station	Pecos	Add new 345-kV transmission line circuit from the LCRA TSC Bakersfield Station to the point of interconnection at Red Barn	4/9/2018	4/24/2020	10/30/2019	\$ 2,401,000.00	\$ 2,270,000.00			90		345	1.94	2-bundled Cardinal 954 KCM 54/7 ACSR		150	1.94			47803	PUCT Docket 47803 Approved on 12/27/2017
ETT-130 ETT2015126	Rio Bravo 1 Wind Generator Temp Connection	Starr	Construct new 345-kV POI temporary tap on the Cenizo-Del Sol 345-kV transmission line for Long Road Energy (Rio Bravo 1)	4/18/2018	9/30/2018	10/8/2018		\$ 1,400,000.00			99	345									16 TAC 25.83(a)(3)	Utilizing Existing Easement
ETT-150 ETT000910	Laguna Substation	Nueces	Replace insulators and switches for 138-kV conversion and operation	3/4/2019	5/29/2020			\$ 1,051,790.00			99	69	138								16 TAC 25.83(a)(3)	Within Station Property
ETT-149 P17211001	Ajo-Zorillo 345-kV 2nd Circuit (Stella Permanent Tap)	Kenedy	Construct a 2nd circuit with OPGW on the Ajo-Zorillo 345-kV transmission line from the Stella Tap location (constructed under TP2017102) up to the Ajo Station	10/9/2019	4/15/2020	3/3/2020		\$ 9,966,375.00			99	345		7.85	2-1590 ACSR/AW	Steel Mono Pole	150	7.85			16 TAC 25.83(a)(3)	Second circuit previously certificated Easement previously acquired
ETT-120 P09082009	Heartland-Yellowjacket ETT	Menard/Menard McCulloch	Heartland to Yellowjacket Build 18.75 miles of new transmission line to 138-kV standards and operate at 69 kV	3/7/2019	10/21/2019	6/3/2020	\$ 19,824,000.00	\$ 19,824,000.00			99		138	18.50	959.6 ACSR/TW	Single Pole Brace Post			100	18.50	46234	CCN approved on 8/31/2017 ETT Portion Only
ETT-146 P1517701	Stewart Rd 345-kV Hairpin	Hidalgo/Hidalgo	Construct a double-circuit 345-kV transmission line from the Stewart Rd Station to the North Edinburg-SU Palmito 345-kV transmission line	7/8/2020	4/15/2021		\$ 16,834,000.00				55		345	5.00	2-954 ACSR	Steel Mono Pole			150	5.00	47803	PUCT Docket 47973 Approved on 02/14/2019

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ETT-130 P17216001	Rio Bravo I Windfarm Permanent Interconnect	Starr Zapata	Add second circuit to 25.6 miles of the Cenozo - Del Sol 345-kV double-circuit capable transmission line to permanently interconnect Rio Bravo Windfarm I	7/15/2019	2/17/2020	12/19/2019		\$ 19,400,000.00			99	345		26.60	2-954 ACSR/AW 54/7 "Cardinal"	Steel Mono Pole	150	26.6			16 TAC 25.83(a)(3)	Second 345-kV circuit previously certificated
ETT-120 P09082011	Heartland-Yellowjacket 69-kV Terminate line into Yellowjacket ETT	Menard/Menard	Add third rung and breakers, to existing station to terminate new Heartland-Yellowjacket 69-kV transmission line. Replace RTU	10/4/2019	12/20/2019	1/3/2020		\$ 1,303,055.00			90	69									16 TAC 25.83(a)(3)	Within Station Property
ETT-158 P18078001	Vera Wind Interconnection	Wilbarger	Construct 3.80 miles of new single-circuit transmission line, except of an approximate 0.7 mile section from the new ETT Coulomb Substation to the Vera Wind Collector Station	9/23/2019	4/10/2020	4/27/2020	\$ 10,700,000.00	\$ 7,800,000.00			99		345	3.80	2-954 ACSR	Steel Mono Pole			150	3.80	48945	CCN Approved on 03/27/2019
ETT-158 P18078011	Vera Wind Interconnection	Wilbarger	Coulomb 345-kV Substation Cut-In Terminate the Clear Crossing to Edith Clarke 345-kV transmission line into new Coulomb 345-kV Substation	12/6/2019	4/10/2020	4/27/2020	\$ 1,500,000.00				99		345	0.10	2-1590 ACSS	Steel Mono Pole			150	0.10	16 TAC 25.101 (c)(5)(A)	Landowner Consent Obtained
ETT-158 P18078017	Vera Wind Interconnection	Wilbarger	Coulomb 345-kV Substation Construct a new three-breaker 345-kV substation to permanently interconnect Vera Wind's 220.4 MW Windfarm	9/23/2019	4/24/2020	4/27/2020	\$ 14,000,000.00	\$ 14,000,000.00			99		345								48945	CCN Approved on 03/27/2019
ETT-161 P19010001	Reloj Del Sol Permanent Interconnection Add New Circuit	Webb	Add second circuit to 15 miles of the Cenozo - Del Sol 345-kV double-circuit capable transmission line to permanently interconnect Reloj Del Sol's 209 MW Windfarm	2/3/2020	12/11/2020		\$ 20,000,000.00				98	345		15.00	2-954 ACSR		150	15.00			16 TAC 25.83(a)(3)	Second 345-kV circuit previously certificated
ETT-161 P19010005	Reloj Del Sol Permanent Interconnection Cenozo Station Work	Webb	Cenozo 345-kV Substation Install new 63kA Terminal install SSO Relay install P&C Equipment & install Metering Equipment	5/1/2020	9/20/2020	9/29/2020	\$ 4,000,000.00				99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-153 P17254001	Quinn 138-kV Switching Station	Medina	Construct a three (3) switch in and out 138kV Switching Station. Install SCADA RTU, Telecom and Relaying Panels. ETT will construct own and operate the high side and STEC will construct own and operate the low side (25 kV).	2/17/2020	6/30/2020	10/11/2020	\$ 1,505,771.00				94		138								16 TAC 25.83(a)(3)	STEC Providing Station Property for Construction
ETT-168 A19600003	Del Sol 345-kV Station Replace RI S Circuit Switcher	Starr	Replace CS 4568 with 345 kV 5000 A 63 kA breaker with Pre-Insertion Resistors. Remove CB 1750 & Update Drawing	4/7/2020	5/15/2020	6/29/2020	\$ 1,261,206.00				99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-168 A19600006	Riley 345-kV Station Replace RLS Circuit Switcher	Wilbarger	Replace CS's 9358, 11993, 7468, 7518, 14003 and 9048 with 345 kV, 5000 A 63 kA breakers with Pre-Insertion Resistors. Remove CBs 13995 and 12375 & Update Drawing	6/15/2020	11/1/2021		\$ 5,505,497.00				94	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-168 A19600007	Tesla 345-kV Station Replace RLS Circuit Switcher	Childress	Replace CS's 7238, 10812, 7247, 9007 and 8657 with 345 kV 5000 A 63 kA breakers with Pre-Insertion Resistors. Remove CB 12750 & Update Drawing	6/1/2020	11/4/2021		\$ 3,358,841.00				94	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601002	Riley 345-kV Station Replace SSVTs	Wilbarger	Replace Alstom 345 kV SSVTs with (4) 50 kVA ABB SSVTs and (2) 100 kVA ABB SSVTs	9/18/2020	10/5/2020	6/26/2020	\$ 2,414,815.25				99	345									16 TAC 25.83(a)(3)	Within Station Property

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ETT-139 ET1600801	Maplewood Interconnection LCRA Bakersfield 345-kV Station	Pecos	Add one breaker, two switches, rated 345-kV, 5000A, 63kA. Install SSO relay on line to IPP. Frequency should be set for 1Hz to 10 Hz range. Install PMU equipment on line to IPP.	9/29/2020	10/30/2020		\$ 2,206,000.00	\$ 1,349,176.00			7%	345									47603	PUCT Docket 47603 Approved on 12/27/2017
ETT-139 ET1600802	Maplewood Interconnection Red Barn 345-kV Station IPP-Owned Station	Pecos	Add new 345-kV transmission line circuit from the LCRA TSC Bakersfield Station to the point of interconnection at Red Barn.	9/29/2020	10/30/2020		\$ 748,000.00	\$ 747,997.00			15	345									47603	PUCT Docket 47603 Approved on 12/27/2017
ETT-164 DP19X06C0	Dustdevil 138-kV Substation T-Line Assets (ETT)	Laredo/Webb	Install two (2) in-line T-Line structures terminate the Laredo VFT #1 to Lobo transmission line into new Dustdevil 138-kV Substation.	8/15/2020	12/15/2020			\$ 908,963.00			0		138	0.01	795 KCM ACSS 'Drake'	Steel Mono Pole					16 TAC 25.101 (c)(5)(A)	Within Station Property
ETT-164 DP19X06D1	Dustdevil 138-kV Substation T-Station Assets (ETT)	Laredo/Webb	Install two (2) motor operated switches and a manual bus bar switch. Install DM 61 01 Transmission RTU Panel. Station transmission 138-kV bus will now be an in & out configuration.	8/15/2020	12/15/2020			\$ 1,010,995.00			0		138								16 TAC 25.83(a)(3)	Property Purchased
ETT-161 P19010002	Relay Del Sol Permanent Interconnection New 345-kV Transmission Line	Webb	Construct six (6) miles of new single circuit 345-kV transmission line to connect the Relay Del Sol Windfarm.	7/20/2020	12/11/2020		\$ 7,100,000.00	\$ 7,500,000.00			9%		345	5.00	2-754 ACSS	Concrete & Steel Monopole			150	6.00	50690	PUCT Docket 50690 Approved on 06/30/2020
ETT-153 P17254002	Quihi 138-kV Switching Station Cut-In	Medina	Terminate the Castroville to Razorback 138-kV transmission line into the new Quihi 138-kV Switching Station with double-circuit structures.	10/19/2020	11/16/2020	10/11/2020		\$ 773,419.00			99		138	0.08	795 KCM ACSS 'Drake'	Steel Mono Pole			100	0.08	16 TAC 25.101 (c)(5)(A)	Landowner Consent Obtained
ETT-169 A19601004	Jen Treeco 345-kV Station Replace SSVTs	Wilbarger	Replace 345-kV SSVTs with (4) 50 kVA SSVTs.	11/2/2020	11/22/2020	11/19/2020		\$ 1,603,035.00			99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601005	Bakersfield 345-kV Station Replace SSVTs	Pecos	Replace 345-kV SSVTs with (2) 50 kVA SSVTs.	11/2/2020	3/5/2021			\$ 929,962.00			99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601007	Big Hill 345-kV Station Replace SSVTs	Schleicher	Replace 345-kV SSVTs with (2) 50 kVA SSVTs.	11/2/2020	3/27/2021	12/31/2020		\$ 912,720.00			99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601008	Kirchoff 345-kV Station Replace SSVTs	Fisher	Replace 345-kV SSVTs with (2) 50 kVA SSVTs.	11/2/2020	11/7/2020	10/21/2020		\$ 920,921.00			99	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601009	Edison 345-kV Station Replace SSVTs	Kimble	Replace 345-kV SSVTs with (2) 50 kVA SSVTs.	11/2/2020	1/29/2021			\$ 912,755.00			0	345									16 TAC 25.83(a)(3)	Within Station Property
ETT-169 A19601011	Oersted 345-kV Station Replace SSVTs	Sutton	Replace 345-kV SSVTs with (4) 50 kVA SSVTs.	11/2/2020	1/7/2021			\$ 1,617,872.00			0	345									16 TAC 25.83(a)(3)	Within Station Property

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ETT-168 A19600004	Edith Clarke 345-kV Station Replace RLS Circuit Switcher	Forard	Replace CS's 385 7083 2737 2567 and 7117 with 345-kV 5000 A 63 kA breakers with Pre-Insertion Resistors Remove CB 165 & Update Drawing	11/2/2020	6/9/2021			\$ 4 253 938 00			40	345									16 TAC 25 83(a)(3)	Within Station Property
ETT-168 A19600005	Oklahoma 345-kV Station Replace RLS Circuit Switcher	Wilbarger	Replace CS 8292 with 345-kV 5000 A 63 kA breaker with Pre-Insertion Resistors Remove CB 5640 & Update Drawing	11/2/2020	4/30/2021			\$ 1 162 820 00			0	345									16 TAC 25 83(a)(3)	Within Station Property
ETT-163 P19045008	Griffin Wind Interconnection Line Extension	Knox	Construct 0.30 mde of new single-circuit transmission line from the new Avogadro 345-kV substation to Griffin Windfarm Collector Station	12/11/2020	5/3/2021			\$ 2 500 000 00			0		345	0.30	2-954 ACSR	Steel Mono Pole			150	0.30	16 TAC 25 101 (c)(5)(A)	Landowner Consent Obtained
ETT-163 P19045006	Griffin Wind Interconnection Cut-In	Knox	Avogadro 345-kV Substation Cut-In Terminate the Clear Crossing to Edith Clarke 345-kV transmission line into new Avogadro 345-kV Substation	12/11/2020	5/3/2021			\$ 2 000 000 00			0		345	0.01	2-954 ACSR	Steel Mono Pole			150	0.01	16 TAC 25 101 (c)(5)(A)	Landowner Consent Obtained
ETT-163 P19045005	Griffin Wind Interconnection Avogadro 345-kV Substation	Knox	Avogadro 345-kV Substation Construct a new three-breaker 345-kV substation to permanently interconnect Griffin Wind Farm	11/2/2020	5/3/2021			\$ 15 500 000 00			0		345								16 TAC 25 83(a)(3)	Property Purchased