Control Number: 50421

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ELECTRIC TRANSMISSION TEXAS
CONSTRUCTION PROGRESS REPORT
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	Comments
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 ACSS/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	Oklaunion 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
42598598	SW Vernon Connect, Oklaunion	Wilbarger	Oklaunion Add wave trap Connection to SW Vernon	1/22/2018	1/31/2019			$ 1,200,000 00				138									16 TAC 25 83(a)(3)	Within Station Property
42681304	Yellow Jacket Station	Menard/Menard	Replace relays and Carrier Equipment to match Temporary Cactus Flats Tap and future Treadwell station relays	3/20/2108	5/5/2018	5/15/2018		$ 506,892 00			99	138									16 TAC 25 83(a)(3)	Within Station Property
ETT-139 ET1600803	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		$ 2,401 000 00	$ 2 270 000 00			90		345	1 94	2-bundled Cardinal 954 KCM 54/7 ACSR		150	1 94			47603	PUCT Docket 47603 Approved on 12/27/2017
ETT-144 P16141001	Live Oak Interconnect	Schleicher	Install one 345-kV terminal at LCRA TSC's Big Hill 345-kV Station to provide a permenant Interconnection for the Live Oak Wind Project, LLC wind farm	3/18/2018	10/5/2018	10/8/2018		$ 5,333,559 00			99	345									16 TAC 25 83(a)(3)	Within Station Property
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-149 P17102001	Ajo-Zorillo 345-kV Line Tap	Kenedy	Create Hard Tap in Ajo-Zorillo 345-kV line to interconnect Stella Wind Farm transmission line	9/5/2018	10/1/2018	10/1/2018		$ 1,381,571 00			99	345		0 10		Steel Mono Pole	150	0 10			16 TAC 25 101 (c)(5)(A)	Written consent acquired from landowner with the right to construct
ETT-149 P17102002	Ajo Station Remote-End Work	Kenedy	Install new relay equipment to create a three-terminal line protection scheme Remove and warehouse existing old generation L90/311L relay panels	7/5/2048	10/1/2018	10/1/2018		$ 551,342 00			99	345									16 TAC 25 83(a)(3)	Property Owned
ETT-149 P17102003	Zorillo Station Remote-End Work	Kenedy	Install new relay equipment to create a three-terminal line protection scheme Remove and warehouse existing old generation L90/311L relay panels	7/5/2018	10/1/2018	10/1/2018		$ 606 865 00			99	345									16 TAC 25 83(a)(3)	Property Owned
ETT-149 P17102004	Stella Collector Station Metering	Kenedy	Install metering, SDR, ME and RTU at the IPP collector station	7/5/2018	10/1/2018	10/1/2018		$ 821,224 00			99	345									16 TAC 25 83(a)(3)	Property owned by generator Written agreement for equipment installation acquired
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			0	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		$ 9,986,375 00			90	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-149 P17211003	Ajo Station Line Terminal for Stella Permanent Tap	Kenedy	Construct new two breaker line terminal at Ajo Station This will form a new Zorillo line terminal at Ajo	10/9/2019	4/15/2020	3/3/2020		$ 3,407,747 00			90	345									16 TAC 25 83(a)(3)	Within Station Property

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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		$ 19 824,000 00				60		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	11/15/2019	10/31/2020		$ 24,600,281 00				70		345	5 00	2-954 ACSR	Steel Mono Pole			150	5 00	47603	PUCT Docket 47973 Approved on 02/14/2019
ETT-130 P17216001	Rio Bravo I Windfarm Permanent Interconnect	Starr,Zapata	Add second circuit to 26 6 miles of the Cenizo - Del Sol 345-kV double-circuit capable transmission line to permanently interconnent 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 exsing station to terminate new Hearland-Yellowjacket 69-kV transmission line Replace RTU	10/4/2019	12/20/2019			$ 1,303,055 00			75	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 approxmate 0 7 mile section, from the new ETT Coulomb Substation to the Vera Wind Collector Station	9/23/2019	3/15/2020		$ 10,700,000 00	$ 7,800,000 00			90		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	3/15/2020			$ 1,500 000 00			80		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	3/15/2020		$ 14,000,000 00	$ 14,000 000 00			80		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 Cenizo - Del Sol 345-kV double-circuit capable transmission line to permanently interconnent Reloj Del Sol's 209 MW Windfarm	2/3/2020	9/20/2020			$ 20,000,000 00			5	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 Cenizo Station Work	Webb	Cenizo 345-kV Substation Install new 63kA Terminal, install SSO Relay, install P&C Equipment, & install Metering Equipment	5/1/2020	9/20/2020			$ 4,000 000 00			0	345									16 TAC 25 83(a)(3)	Within Station Property
ETT-153 P17254001	Quihi 138-kV Switching Station	Medina	Construct a three (3) switch In and Out 138k-V Switching Station Install SCADA, RTU, Telecom, and Relaying Panels ETT will constuct, own, and operate the high side, and STEC will construct, own, and operate the low side (25 kV)	2/17/2020	6/30/2020			$ 1,505,771 00			0		138								16 TAC 25 83(a)(3)	STEC Providing Station Property for Construction
ETT-800 ETT800233	Clear Crossing 345-kV Station Static Mast Pole Replacement	Haskell	Replace static mast structures at Clear Crossing 345-kV Station	4/5/2020	4/20/2020			$ 685,740 00			0	345									16 TAC 25 83(a)(3)	Within Station Property
ETT-800 ETT800232	Tesla 345-kV Station Static Mast Pole Replacement	Childress	Replace static mast structures at Tesla 345-kV Station	4/5/2020	4/20/2020			$ 823,546 00			0	345									16 TAC 25 83(a)(3)	Within Static Property
ETT-800 ETT800231	Riley 345-kV Station Static Mast Pole Replacement	Wilbarger	Replace static mast structures at Riley 345-kV Station	4/16/2020	5/1/2020			$ 655 407 00			0	345									16 TAC 25 83(a)(3)	Within Static Property
ETT-800 ETT800230	Edith Clarke 345-kV Station Static Mast Pole Replacement	Foard	Replace static mast structures at Edith Clarke 345-kV Station	5/5/2020	5/13/2020			$ 609 700 00			0	345									16 TAC 25 83(a)(3)	Within Station Property
ETT- 168 A19600003	Del Sol 345-kV Station Replace RLS Circuit Switcher	Starr	Replace CS 4568 with 345 kV, 5000 A, 63 kA breaker with Pre-Insertion Resistors Remove CB 1750 & Update Drawing	4/5/2020	5/13/2020			$ 1,261,206 00			0	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	4/6/2020	10/10/2020			$ 5,505,497 00			0	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	5/11/2020	12/22/2020			$ 3,368,841 00			0	345									16 TAC 25 83(a)(3)	Within Station Property

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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	5/16/2020	6/2/2020			$ 2,414,815 25			0	345									16 TAC 25 83(a)(3)	Within Station Property

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