

Control Number: 37857



Item Number: 174

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TL127	TL125	TL113	ТL107	TL102	Utility's Project Number
Neeley to Farmer Structure Replacement	SFPP - Proposed 115 kV Transmission Line	Lane - Mann (6300 Line) Structure Replacement	Dyer - Austin - 6400 Line 69 KV Rebuild	Santa Teresa - Montoya 115 KV Line	Project Name
Sierra Blanca, Hudspeth, Van Horn, Culberson	El Paso, El Paso	El Paso, El Paso	El Paso, El Paso	El Paso, El Paso	Location (City/County)
EPE will replace existing wood monopole structures with steel monopole structures in this approximate 30 miles of 69kV transmission line. Schedule is to replace approximately 10 miles of structures per year for the next 3 years. EPE will utilize the existing centerline. Span lengths may be adjusted according to terrain features.	EPE will be rebuilding the existing Newman - Vista Line from Newman Power Plant east to the Pipeline Tap Existing structures will be replaced with monopole structures capable of carrying the two circuits	EPE will replace 32 wood monopole structures and a 28 mile segment of line from Lane to Mann Substation. The structures are located along the access road (Gateway West) that parallels interstate 10. Over the years a number of structures have been replaced due to age and/or danage. This project will replace all remaining wood structures with steel. At least one if not two distribution circuits are attached to structures along this route. The new structures will accommodate existing distribution facilities.	EPE will reconstruct and relocate approximately one mile of the existing Dyer-Austin 69 kV line. The line will be relocated to the existing 19400 Dyer-Austin 115 kV line which will be re-structured to accommodate the two circuits. Conductor on the existing 115 kV line will be re-structured to accommodate the two circuits. Conductor on the 68 kV line will be replaced with 954 MCM ACSR. The 69 kV line is being re-routed to minimize conners, guy poles and anchors in residential lots. The new route will also reduce interference with trees and improve reliability. System Planning has indicated the 69 kV line from Dyer. Austin will have to be reconductored by 2010 due to overfoading. This project will complete approximately one-half of the required reconductor.	Construct approximately 7 19 miles of 115kV transmission line on single pole structures to complete an electrical log between Santa Teresa Substation (Dona Ana County, NM) and Montoya Substation (El Paso County, NM). The project is intended to improve service reliability and provide for future electrical load growth in the project area.	Description
04/21/08	10/05/09	09/07/10	06/01/08	01/02/11	Estimated (or Actual) Start Date
	02/13/10	1		ī !	Finish Date (Construction /
					Energized (If Applicable
\$3,000,000	\$3,850,997	266,000	1,057,000	\$5,335,988 T-Line, \$568,230 Substation	Initial Estimated Project Cost (\$)
!	2,128,400		513,728	1	Final Estimated Project Cost (\$)
		:			Final Actual Project Cost (\$)
					% Varian
33%	100%		60%		Percent Vot
9	116	00	8	115	Existing or New Voltage Voltage (kV) (kV)
30	5 7			5 719	ew Circuit ge Length (Miles)
4/0 ACSR single conductor	556 ACSR, single conductor, double circuit	single conductor, single conductor, single circuit, center phase opposite, supported on davit ama and suspension insulators	954 ACSR, single conductor, single circuit	954 ACSR, single conductor, single circuit	t Conductor h Type & Size & Bundling
60 & 65' wood monopoles being replaced with 75' galvanized steel monopole structures	galvanized steel structures Some will be H-Frame replacements, new unconstruction will be monopole structures double circuit capable	85 galvanized steel monopole steel monopole the tructures (74 5' the AGL) configured for single circuit transmission multi distribution multi distribution and/or two circuits)	one 105' steel H Frame structure for freeway crossing, remaining structures are steel monopole th double circuit angents and self-supporting corner and dead end structures.	95' galvanized steel monopole structures	& Structure Type(s)
varies	100	5	55	Street ROW - franchise	Existing ROW Width (Feet)
30	5 7	, N &	4	2 2 2 9	Existing ROW Length (Miles)
		N⁄a	η/a	25, 50, 100	N ROW Width (Feet)
		Va	√a	2 29, 4 76, 0 14	New ROW Length (Miles)
25 101(c)(5)(B)	25 101(e)(5)(B)	25 101(c)(5)(B)	SILIC UTLITY CUMMIS	28670	Rule Section or PUC Control
First phase of three completed Second phase deterred 1 year	Line will be energized upon completion of Pipeline Tap - Picante segment	Project has lower priority than several others. Work will be accomplished in smaller segments throughout the fall	SINHAD AND ENGINE STRUCTURE SINHAD AND AND AND AND AND AND AND AND AND A	Row acquisition continues	Comments

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EL PASO ELECTRIC CO. MONTHLY TRANSMISSION CONSTRUCTION PROGRESS REPORT for SEPTEMBER 2010

Public Utility Commission of Texas Project No. 37857

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TL123	TL106	Т∟133	TL125, F	Utility's Project Number
Pendale 115kV Transmission Line	Wrangler to Sparks Relocation and Rebuild	Ascarate - Copper 16500 Line Rebuild & Reconductor	Pipeline Tap - Picante - Global Reach 115 KV lines	Project Name
El Paso, El Paso	El Paso, El Paso	El Paso, El Paso	El Paso (F1 Biss), El Paso	Location (City/County)
EPE will construct a new 115 kV transmission line to serve a new distribution substation bo be constructed at the comer of Pendale and Casiner St. The line will be double circuit 115 kV approximately 0.62 miles long	EPE will relocate a portion of the existing Wrangler to Sparks 116kV transmission line to accommodate the construction of a new interchange at Loop 375 and interstate 10 Additionally, a portion of the line (approx 1 96 miles) east of the proposed interchange towards Sparks substation will be rebuilt and upgraded	EPE will rebuild and reconductor 1 35 miles of 115kV single circuit transmission. The line will be rebuilt in place and require no additional land rights. Existing wood structures will be replaced with steel monopoles. This will enable distribution to utilize the line as a primary feeder. ACSR conductor will be replaced with ACSS to increase capacity on the line. The project is being conducted to increase capacity and prevent overload during certain contingency conditions.	EPE proposes to construct approximately 13.2 miles of new 115 kV transmission line to connect Pipeline, Global Reach, Biggs and Picamte substations. EPE will construct the lines within an existing 115 kV easement granted in 1869. The new line will be constructed on steel H-Frame structures utilizing 954 MCM ACSR conductor. Structure design was dictated by spans lengths and height estrictions due to the proximity of Military and Civilian Airports in the proximity of	Description
11/30/10	10/18/10	05/03/10	04/13/10	Estimated (or Actual) Start Date
				Finish Date (Construction Complete)
				Date Energized (If Applicable
\$1,134,901 T-Line, \$3,731,070 Substation	3,525,149	\$529,300	\$4,357,000 T- Line, \$7,899,104 Substation	Initiat Estimated Project Cost (\$)
:				Final Estimated Project Cost (\$)
				Final Actual Project Cost (\$)
				% Variance
,	11:0	40%	40%	Existing Percent Voltage Complete (kV)
115	69 & n/a	15 η/a	115	Upgraded ting or New age Voltage V) (kV)
		<u> </u>		
1 24 AC:	5 86 repl 5 86 cch	Mon & St	13 2 ACS	Circuit Cc Length Type (Miles) B
954MCM ACSR, single conductor, double circuit	336 MCM ACSR on 115kV circuit will be replaced with 954 MCM ACSR No change on 69kV circuit	556 MCM ACSS will replace 556 MCM ACSR	954MCM ACSR, single conductor, single circuit	Conductor Type & Size & Bundling
112' galvanized steel monopole structures	65//70' wood single pole structures will be replaced with 112' galvanized steel monopole structures	65/70' wood single pole structures will be replaced with 85' galvanized steel monopole structures	80' steel H- Frame structures (70' out of the ground)	Structure Type(s)
Street ROW	varies 69kV 25' wide, 115kV on TXDoT permit	50	100	Existing ROW Width (Feet)
028	ω 1	13 35	13.2	Existing ROW Length (Miles)
25 - 50 ft	25 - 50 ft.	n/a	π/a	New ROW Width (Feet)
0 62	2 75	7/20	n/a	New ROW Length (Miles)
38561	38513	25 101(c)(5)(B)	37773	Rule Section or PUC Control Number
Application filed August 25, 2010	Application filed August 11, 2010	Tangent structures replaced, comer structures, running angles and conductor will be replaced in the fall after peak	Line construction between Pipeline and Picarite nearly complete. Segment between Picarite - Bigs - Global Reach pending FAA clearance	Comments