



Control Number: 32182



Item Number: 246

Addendum StartPage: 0

**PUC Project No. 32182 - PUC Investigation of Methods to Improve Electric and
Telecommunications Infrastructure to Minimize Long Term Outages and Restoration
Costs Associated With Gulf Coast Hurricanes**

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LCRA Transmission Services Corporation

Cost Estimate to Upgrade the LCRA TSC Facilities Within 50 Miles of the Coast

January 2, 2009

**PUC Project No. 32182 - PUC Investigation of Methods to Improve Electric and Telecommunications Infrastructure to
Minimize Long Term Outages and Restoration Costs Associated With Gulf Coast Hurricanes**

LCRA TSC Facilities Within 50 Miles of the Coast, Cost to Upgrade

Circuit Number	Line Name	Voltage	Total Circuit Length (miles)	Length within 10 miles	Length within 10 to 50 miles	Total within 50 miles	Structure Type	Estimated Cost to Upgrade Entire Transmission Line	Estimated Cost to upgrade portions within 10 to 50 miles	Estimated Cost to Upgrade portions within 10 miles
T134	Flatonia - Yoakum	69	27.74	0.4	0.4	0.4	Wood Pole / H	\$ -	\$ -	\$ -
T140	Hallettsville - Yoakum	138	15.99	6.7	6.7	6.7	Wood Pole / H	\$ -	\$ -	\$ -
T198	Yoakum - Cuero	138	13.8	13.8	13.8	13.8	Wood Pole / H	\$ -	\$ -	\$ -
T226	Gonzalez - Cuero	138	31.93	3	3	3	Lattice Steel	\$ -	\$ -	\$ -
T391	Hockley - Macedonia	138	13.7	13.7	13.7	13.7	Concrete Pole	\$ -	\$ -	\$ -
T433	Coletto - Pawnee	345	53.9	30.4	30.4	30.4	Lattice Steel Underground	\$ -	\$ -	\$ -
T434	Nueces Bay - Citgo NOP	138	0.7	0.7	0.7	0.7	Cable	\$ -	\$ -	\$ -
T435	Highway 9 - Citgo NOP	138	1.8	1.8	1.8	1.8	Steel Pole	\$ -	\$ -	\$ -
T436	Citgo NOP - Valero	138	1.8	1.8	1.8	1.8	Steel Pole	\$ -	\$ -	\$ -
T437	Lon Hill - Nueces Bay	138	17.2	17.2	17.2	17.2	Steel Pole	\$ -	\$ -	\$ -
T473	Rincon - Rockport	138	15.1	15.1	15.1	15.1	Concrete Pole	\$ -	\$ -	\$ -
T474	Rockport - Fulton	69	7.3	7.3	7.3	7.3	Concrete Pole	\$ -	\$ -	\$ -
T475	Airline - Laguna - Naval Base	69	9.4	9.4	9.4	9.4	Steel Pole/Wood H	\$ 3,342,922	\$ -	\$ 889,075
T476	Airline - Naval Base	69	8	8	8	8	Steel Pole	\$ -	\$ -	\$ -
T477	N. Padre - Pt. Aransas	69	20.1	20.1	20.1	20.1	Concrete Pole	\$ -	\$ -	\$ -
T479	Pharr - Weslaco Sw	138	10.41	6.9	6.9	6.9	Steel Pole	\$ -	\$ -	\$ -
T480	Weslaco Sw - Harlingen Sw	138	20.1	20.1	20.1	20.1	Steel Pole	\$ -	\$ -	\$ -
T509	Valero -Weil Tract	138	3.6	3.6	3.6	3.6	Steel Pole	\$ -	\$ -	\$ -
T522	Weil Tract - Lon Hill	138	10	10	10	10	Steel Pole	\$ -	\$ -	\$ -
T541	Kenedy Switch - Cuero	69	45	6.3	6.3	6.3	Wood Pole / H	\$ 15,216,300	\$ 2,130,282	\$ -
T542	Cuero - Cuero Hydro	69	2.9	2.9	2.9	2.9	Wood Pole / H	\$ 980,606	\$ 980,606	\$ -
T543	Cuero - Luling City	69	52	3	3	3	Wood Pole / H	\$ 17,583,280	\$ 1,014,420	\$ -
T545	Altair - El Campo	69	31.65	23.1	23.1	23.1	Wood Pole / H	\$ 11,255,690	\$ 8,215,053	\$ -
T548	Eagle Lake - El Campo	69	39	29.4	29.4	29.4	Wood Pole / H	\$ 13,187,460	\$ 9,941,316	\$ -
			453.12	88.1	159.7	247.8		\$ 61,566,258	\$ 22,281,677	\$ 889,075