

ATTACHMENT 2
COST ESTIMATES FOR PROPOSED ALTERNATIVE ROUTES

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**Application of CenterPoint Energy Houston Electric, LLC
for a Certificate of Convenience and Necessity
for a Proposed 345 kV Transmission Line within Wharton County**

13. Estimated Costs:

Provide cost estimates for each route of the proposed project using the following table. Provide a breakdown of "Other" costs by major cost category and amount. Provide the information for each route in an attachment to this application.

	Transmission Facilities Alternative Route 1	Transmission Facilities Alternative Route 2	Transmission Facilities Alternative Route 3	Transmission Facilities Alternative Route 4	Transmission Facilities Alternative Route 5	Transmission Facilities Alternative Route 6	Transmission Facilities Alternative Route 7
	A-N-P	B-C-G-J-N-P	B-C-G-K-O-P	B-C-H-L-O-P	B-C-H-I-M	B-D-E-I-M	B-D-F-M
Right-of-Way and Land Acquisition	\$7,315,000	\$9,168,000	\$6,708,000	\$8,059,000	\$11,547,000	\$11,316,000	\$12,529,000
Engineering and Design (Utility)	\$2,011,000	\$1,853,000	\$1,515,000	\$1,546,000	\$3,002,000	\$3,304,000	\$3,818,000
Engineering and Design (Contract)	\$275,000	\$253,000	\$207,000	\$211,000	\$410,000	\$451,000	\$521,000
Procurement of Material and Equipment (including Stores)	\$6,109,000	\$5,526,000	\$4,332,000	\$4,503,000	\$9,124,000	\$10,156,000	\$11,812,000
Construction of Facilities (Utility)	\$474,000	\$422,000	\$330,000	\$338,000	\$719,000	\$789,000	\$906,000
Construction of Facilities (Contract)	\$11,364,000	\$10,123,000	\$7,918,000	\$8,106,000	\$17,256,000	\$18,921,000	\$21,729,000
Other (all cost not included in the above categories)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Total Cost	\$27,548,000	\$27,345,000	\$21,010,000	\$22,763,000	\$42,058,000	\$44,937,000	\$51,315,000
Other Costs-Transmission ^[1]	\$4,200,000	\$1,255,000	\$0	\$0	\$14,012,000	\$14,012,000	\$14,012,000
Other Costs-Substation ^[2]	\$1,946,000	\$1,946,000	\$1,946,000	\$1,946,000	\$5,179,000	\$5,179,000	\$5,179,000
Estimated Grand Total Cost^[3]	\$33,694,000	\$30,546,000	\$22,956,000	\$24,709,000	\$61,249,000	\$64,128,000	\$70,506,000

1. Transmission cost incurred for adjustments needed to other transmission lines.

2. Substation facilities cost reflects the addition of two 345 kV line terminal positions at Hillje Substation and associated remote relay/carrier work.

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