

**Estimated Total Costs for Transmission Line Routes and Substations
 Bakersfield to Solstice 345-kV Transmission Line Project**

10/29/2018

Route Length		Route Cost		Total Route Costs by PUC Category						
Route	Total Length (miles)	Estimated Total Cost	Cost Per Mile	Right-of-Way & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
1	70.7	\$156,478,000	\$2,213,000	\$13,338,000	\$7,911,000	\$2,522,000	\$48,240,000	\$0	\$84,467,000	\$0
2	67.8	\$148,875,000	\$2,196,000	\$12,853,000	\$7,754,000	\$2,464,000	\$45,906,000	\$0	\$79,898,000	\$0
3	69.4	\$150,383,000	\$2,168,000	\$11,627,000	\$7,837,000	\$2,494,000	\$47,038,000	\$0	\$81,387,000	\$0
4	71.1	\$153,422,000	\$2,157,000	\$13,272,000	\$7,939,000	\$2,532,000	\$47,814,000	\$0	\$81,865,000	\$0
5	71.7	\$158,955,000	\$2,217,000	\$13,638,000	\$7,967,000	\$2,544,000	\$48,776,000	\$0	\$86,030,000	\$0
6	74.2	\$165,321,000	\$2,228,000	\$14,671,000	\$8,104,000	\$2,594,000	\$50,494,000	\$0	\$89,458,000	\$0
7	75.7	\$167,383,000	\$2,211,000	\$12,830,000	\$8,176,000	\$2,620,000	\$51,930,000	\$0	\$91,827,000	\$0
8	77.2	\$165,868,000	\$2,149,000	\$14,375,000	\$8,261,000	\$2,651,000	\$51,528,000	\$0	\$89,053,000	\$0
9	78.9	\$170,776,000	\$2,165,000	\$15,323,000	\$8,354,000	\$2,686,000	\$52,884,000	\$0	\$91,529,000	\$0
10	78.7	\$172,190,000	\$2,188,000	\$9,301,000	\$8,340,000	\$2,681,000	\$55,144,000	\$0	\$96,724,000	\$0
11	75.6	\$162,551,000	\$2,150,000	\$14,128,000	\$8,175,000	\$2,620,000	\$50,552,000	\$0	\$87,076,000	\$0
12	80.3	\$173,847,000	\$2,166,000	\$10,219,000	\$8,428,000	\$2,714,000	\$55,524,000	\$0	\$96,962,000	\$0
13	81.0	\$176,065,000	\$2,174,000	\$9,313,000	\$8,471,000	\$2,731,000	\$56,445,000	\$0	\$99,105,000	\$0
14	81.1	\$170,876,000	\$2,107,000	\$11,848,000	\$8,467,000	\$2,728,000	\$54,726,000	\$0	\$93,107,000	\$0
15	82.5	\$177,285,000	\$2,149,000	\$11,076,000	\$8,558,000	\$2,765,000	\$56,680,000	\$0	\$98,206,000	\$0
16	84.1	\$177,846,000	\$2,115,000	\$10,679,000	\$8,641,000	\$2,795,000	\$57,228,000	\$0	\$98,503,000	\$0
17	81.4	\$175,300,000	\$2,154,000	\$12,173,000	\$8,498,000	\$2,741,000	\$55,304,000	\$0	\$96,584,000	\$0
18	88.3	\$192,422,000	\$2,179,000	\$12,755,000	\$8,870,000	\$2,881,000	\$60,861,000	\$0	\$107,055,000	\$0
19	89.3	\$189,165,000	\$2,118,000	\$12,196,000	\$8,930,000	\$2,905,000	\$60,632,000	\$0	\$104,502,000	\$0
20	89.9	\$186,161,000	\$2,072,000	\$12,632,000	\$8,965,000	\$2,918,000	\$59,909,000	\$0	\$101,737,000	\$0
21	91.8	\$183,728,000	\$2,001,000	\$12,379,000	\$9,059,000	\$2,950,000	\$59,813,000	\$0	\$99,527,000	\$0
22	77.0	\$162,849,000	\$2,115,000	\$7,941,000	\$8,252,000	\$2,649,000	\$52,585,000	\$0	\$91,422,000	\$0
23	73.4	\$160,463,000	\$2,186,000	\$12,412,000	\$8,050,000	\$2,574,000	\$49,908,000	\$0	\$87,519,000	\$0
24	71.1	\$155,959,000	\$2,194,000	\$14,048,000	\$7,933,000	\$2,530,000	\$47,985,000	\$0	\$83,463,000	\$0
25	82.4	\$169,275,000	\$2,055,000	\$9,965,000	\$8,548,000	\$2,761,000	\$54,745,000	\$0	\$93,256,000	\$0

Bakersfield Station Costs (LCRA TSC) By PUC Category							
Estimated Total Cost	Right-of-Way & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
\$6,533,000	\$0	\$40,000	\$249,000	\$2,185,000	\$1,472,000	\$2,587,000	\$0

Solstice Switch Station Costs (AEP Texas) By PUC Category*							
Estimated Total Cost	Right-of-Way & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
\$38,457,000	\$776,000	\$761,000	\$1,050,000	\$23,498,000	\$1,000,000	\$11,372,000	\$0

* Solstice Switch Station estimate is for the components shown in the first ERCOT Far West Project Independent Review with the addition of the associated component cost for the termination of the second circuit from the LCRA TSC Bakersfield to AEP Texas Solstice Switch that was approved in the second ERCOT Far West Texas Independent Review.