

TOTAL ESTIMATED COSTS OF ALTERNATIVE ROUTES AND STATIONS

TOTAL ESTIMATED LENGTHS AND COSTS OF ALTERNATIVE ROUTES

ROUTE	LENGTH (MILES)	ESTIMATED COST
Route 1	365.08	\$2,141,846,857
Route 2	370.98	\$2,182,604,103
Route 3	373.54	\$2,198,956,932
Route 4	370.96	\$2,184,507,328
Route 5	374.26	\$2,201,322,381
Route 6	373.94	\$2,207,509,530
Route 7	373.44	\$2,204,182,719
Route 8	380.08	\$2,229,539,329
Route 9	374.94	\$2,202,358,405
Route 10	364.60	\$2,137,502,721
Route 11	387.46	\$2,371,523,281
Route 12	373.50	\$2,211,888,976
Route 13	347.30	\$2,049,681,012
Route 14	353.12	\$2,077,723,398
Route 15	376.76	\$2,216,127,272
Route 16	369.20	\$2,172,353,804
Route 17	362.58	\$2,251,161,480
Route 18	378.74	\$2,373,656,772
Route 19	393.14	\$2,254,902,787
Route 20	348.04	\$2,068,791,437
Route 21	353.86	\$2,096,886,865
Route 22	366.80	\$2,269,142,034
Route 23	364.76	\$2,244,893,055
Route 24	365.42	\$2,249,493,274
Route 25	371.40	\$2,329,914,558
Route 26	344.42	\$2,207,209,487
Route 27	360.64	\$2,243,256,421
Route 28	366.74	\$2,397,986,581
Route 29	339.88	\$2,109,961,592

**Joint Application of AEP Texas Inc. and the City of San Antonio,
Acting by and through the City Public Service Board to Amend
their Certificates of Convenience and Necessity for the Howard
to Solstice 765-kV Single-Circuit Transmission Line in Atascosa,
Bandera, Bexar, Crockett, Edwards, Kerr, Kinney, Medina,
Pecos, Real, Sutton, Terrell, Uvalde, and Val Verde Counties**

**PUC Docket No. 59336
Attachment 3
Page 2 of 30**

ROUTE	LENGTH (MILES)	ESTIMATED COST
Route 30	347.20	\$2,114,307,860
Route 31	351.48	\$2,205,300,467
Route 32	344.92	\$2,367,620,485
Route 33	350.36	\$2,155,653,298
Route 34	336.94	\$2,091,267,261
Route 35	359.00	\$2,224,290,348
Route 36	357.18	\$2,223,466,050
Route 37	340.48	\$2,110,847,028
Route 38	353.08	\$2,274,849,313
Route 39	341.22	\$2,178,072,306
Route 40	340.10	\$2,169,895,491
Route 41	337.26	\$2,091,527,970
Route 42	342.76	\$2,118,834,812
Route 43	349.88	\$2,175,027,026
Route 44	363.00	\$2,255,273,565
Route 45	345.92	\$2,195,641,421
Route 46	355.92	\$2,226,189,984
Route 47	357.32	\$2,209,940,799
Route 48	355.52	\$2,209,065,022
Route 49	363.14	\$2,228,323,074
Route 50	361.34	\$2,240,884,876
Route 51	364.88	\$2,260,465,000
Route 52	335.26	\$2,076,945,155
Route 53	341.08	\$2,104,953,200
Route 54	359.44	\$2,243,161,284
Route 55	345.96	\$2,248,004,972
Route 56	362.62	\$2,204,114,141
Route 57	364.04	\$2,276,560,784
Route 58	358.82	\$2,182,893,795
Route 59	368.90	\$2,290,218,990
Route 60	359.28	\$2,156,697,750

**Joint Application of AEP Texas Inc. and the City of San Antonio,
Acting by and through the City Public Service Board to Amend
their Certificates of Convenience and Necessity for the Howard
to Solstice 765-kV Single-Circuit Transmission Line in Atascosa,
Bandera, Bexar, Crockett, Edwards, Kerr, Kinney, Medina,
Pecos, Real, Sutton, Terrell, Uvalde, and Val Verde Counties**

**PUC Docket No. 59336
Attachment 3
Page 3 of 30**

ROUTE	LENGTH (MILES)	ESTIMATED COST
Route 61	374.48	\$2,348,311,192
Route 62	373.24	\$2,288,502,587
Route 63	376.88	\$2,356,114,623
Route 64	350.94	\$2,136,837,199
Route 65	351.68	\$2,152,949,999
Route 66	347.46	\$2,233,441,665
Route 67	344.24	\$2,210,055,429
Route 68	343.52	\$2,205,576,752
Route 69	343.82	\$2,193,937,425
Route 70	351.34	\$2,125,466,328
Route 71	357.20	\$2,296,187,683
Route 72	360.34	\$2,314,522,266
Route 73	351.72	\$2,151,014,796
Route 74	357.54	\$2,176,932,060
Route 75	356.96	\$2,303,217,703
Route 76	364.48	\$2,240,994,489
Route 77	351.96	\$2,141,520,064

DETAILED ESTIMATED COSTS OF ALTERNATIVE ROUTES

Alternative Route 1 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,255,307	\$67,086,076	\$161,341,383
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,834,768	\$48,709,309	\$82,544,077
Procurement of Material and Equipment	\$238,461,042	\$182,733,676	\$421,194,717
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$750,448,705	\$691,188,558	\$1,441,637,263
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,150,360,739	\$991,486,118	\$2,141,846,857

Alternative Route 2 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$95,639,840	\$67,701,086	\$163,340,926
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,381,566	\$49,172,783	\$83,554,349
Procurement of Material and Equipment	\$232,441,005	\$190,894,050	\$423,335,055
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$767,812,944	\$709,431,412	\$1,477,244,356
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,163,636,272	\$1,018,967,830	\$2,182,604,103

Alternative Route 3 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,240,587	\$68,741,155	\$164,981,742
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,618,821	\$49,373,883	\$83,992,705
Procurement of Material and Equipment	\$236,899,513	\$191,227,901	\$428,127,414
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$770,438,285	\$716,287,369	\$1,486,725,654
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,171,558,123	\$1,027,398,809	\$2,198,956,932

Alternative Route 4 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$95,635,147	\$67,701,086	\$163,336,233
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,379,713	\$49,171,212	\$83,550,925
Procurement of Material and Equipment	\$237,862,489	\$190,890,459	\$428,752,948
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$764,306,394	\$709,431,412	\$1,473,737,806
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,165,544,660	\$1,018,962,668	\$2,184,507,328

Alternative Route 5 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,409,547	\$68,741,155	\$165,150,702
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,685,549	\$49,430,443	\$84,115,992
Procurement of Material and Equipment	\$247,192,483	\$186,816,814	\$434,009,297
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$784,062,355	\$698,854,618	\$1,482,916,973
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,195,710,852	\$1,005,611,529	\$2,201,322,381

Alternative Route 6 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,334,453	\$67,701,086	\$164,035,539
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,655,892	\$49,405,305	\$84,061,198
Procurement of Material and Equipment	\$244,472,074	\$192,277,749	\$436,749,823
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$775,860,650	\$711,672,904	\$1,487,533,553
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,184,683,987	\$1,022,825,543	\$2,207,509,530

Alternative Route 7 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,217,120	\$67,086,076	\$163,303,196
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,609,554	\$49,366,028	\$83,975,581
Procurement of Material and Equipment	\$243,613,714	\$191,594,069	\$435,207,782
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$774,809,347	\$711,757,395	\$1,486,566,742
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,182,610,652	\$1,021,572,067	\$2,204,182,719

Alternative Route 8 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$97,775,307	\$68,741,155	\$166,516,462
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$35,224,933	\$49,887,632	\$85,112,566
Procurement of Material and Equipment	\$241,757,083	\$196,744,607	\$438,501,690
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$779,736,524	\$724,542,671	\$1,504,279,195
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,187,854,764	\$1,041,684,565	\$2,229,539,329

Alternative Route 9 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,569,120	\$70,630,388	\$167,199,508
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,748,570	\$49,483,860	\$84,232,430
Procurement of Material and Equipment	\$244,238,719	\$191,600,366	\$435,839,085
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$759,860,980	\$720,096,984	\$1,479,957,964
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,168,778,307	\$1,033,580,098	\$2,202,358,405

Alternative Route 10 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,142,667	\$66,659,253	\$160,801,920
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,790,283	\$48,671,603	\$82,461,886
Procurement of Material and Equipment	\$236,633,209	\$182,040,024	\$418,673,233
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$750,385,900	\$690,050,366	\$1,440,436,266
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,148,312,977	\$989,189,744	\$2,137,502,721

Alternative Route 11 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$99,507,147	\$78,265,884	\$177,773,031
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$35,908,895	\$50,467,367	\$86,376,262
Procurement of Material and Equipment	\$253,234,479	\$219,670,929	\$472,905,408
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$792,761,448	\$806,577,716	\$1,599,339,163
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,214,772,886	\$1,156,750,395	\$2,371,523,281

Alternative Route 12 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,231,200	\$73,310,426	\$169,541,626
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,615,114	\$49,370,741	\$83,985,855
Procurement of Material and Equipment	\$243,229,239	\$195,215,870	\$438,445,109
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$757,875,343	\$726,911,626	\$1,484,786,969
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,165,311,814	\$1,046,577,162	\$2,211,888,976

Alternative Route 13 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,082,933	\$67,244,145	\$157,327,078
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,186,959	\$47,312,603	\$79,499,562
Procurement of Material and Equipment	\$215,995,938	\$176,000,376	\$391,996,314
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$717,076,241	\$668,652,399	\$1,385,728,641
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,088,702,989	\$960,978,023	\$2,049,681,012

Alternative Route 14 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,448,693	\$67,244,145	\$158,692,838
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,726,343	\$47,769,793	\$80,496,136
Procurement of Material and Equipment	\$217,612,901	\$179,421,954	\$397,034,855
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$717,130,156	\$689,239,995	\$1,406,370,152
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,092,279,011	\$985,444,387	\$2,077,723,398

Alternative Route 15 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,996,213	\$66,659,253	\$163,655,466
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,917,243	\$49,626,830	\$84,544,074
Procurement of Material and Equipment	\$236,172,558	\$193,252,061	\$429,424,619
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$789,194,359	\$714,179,337	\$1,503,373,696
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,190,641,291	\$1,025,485,981	\$2,216,127,272

Alternative Route 16 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$95,222,133	\$66,659,253	\$161,881,386
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,216,600	\$49,032,955	\$83,249,555
Procurement of Material and Equipment	\$238,507,464	\$183,021,893	\$421,529,357
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$776,959,678	\$693,604,411	\$1,470,564,088
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,178,266,793	\$994,087,011	\$2,172,353,804

Alternative Route 17 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,668,640	\$77,622,847	\$171,291,487
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,603,074	\$48,512,922	\$82,115,996
Procurement of Material and Equipment	\$225,156,209	\$216,573,306	\$441,729,515
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$752,663,619	\$768,231,447	\$1,520,895,066
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,138,452,460	\$1,112,709,020	\$2,251,161,480

Alternative Route 18 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$97,460,853	\$89,738,798	\$187,199,651
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$35,100,745	\$49,782,369	\$84,883,114
Procurement of Material and Equipment	\$236,570,655	\$220,066,565	\$456,637,220
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$756,648,051	\$853,159,318	\$1,609,807,369
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,159,141,222	\$1,214,515,550	\$2,373,656,772

Alternative Route 19 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$100,840,053	\$70,395,628	\$171,235,681
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$36,435,304	\$50,913,559	\$87,348,863
Procurement of Material and Equipment	\$250,999,621	\$204,808,360	\$455,807,981
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$800,022,399	\$705,358,446	\$1,505,380,845
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,221,658,295	\$1,033,244,493	\$2,254,902,787

Alternative Route 20 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,256,587	\$69,337,118	\$159,593,705
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,255,540	\$47,370,734	\$79,626,274
Procurement of Material and Equipment	\$216,251,616	\$178,303,433	\$394,555,049
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$717,352,591	\$682,534,401	\$1,399,886,992
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,089,477,252	\$979,314,185	\$2,068,791,437

Alternative Route 21 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,622,347	\$69,337,118	\$160,959,465
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,794,925	\$47,827,923	\$80,622,848
Procurement of Material and Equipment	\$217,876,635	\$181,816,491	\$399,693,126
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$718,100,378	\$702,381,631	\$1,420,482,010
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,093,755,203	\$1,003,131,663	\$2,096,886,865

Alternative Route 22 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,658,933	\$79,561,151	\$174,220,084
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,994,174	\$48,844,423	\$82,838,597
Procurement of Material and Equipment	\$238,212,239	\$203,268,443	\$441,480,682
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$751,060,877	\$784,412,376	\$1,535,473,253
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,151,287,141	\$1,117,854,893	\$2,269,142,034

Alternative Route 23 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,180,213	\$74,082,280	\$168,262,493
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,805,111	\$48,684,172	\$82,489,283
Procurement of Material and Equipment	\$230,733,844	\$203,446,450	\$434,180,294
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$733,197,648	\$791,633,920	\$1,524,831,568
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,125,277,734	\$1,119,615,321	\$2,244,893,055

Alternative Route 24 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,335,093	\$78,549,236	\$172,884,329
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,866,279	\$48,736,018	\$82,602,296
Procurement of Material and Equipment	\$238,462,814	\$199,427,625	\$437,890,438
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$780,096,638	\$740,890,156	\$1,520,986,794
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,180,121,741	\$1,069,371,533	\$2,249,493,274

Alternative Route 25 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$95,738,400	\$83,975,846	\$179,714,246
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,420,491	\$49,205,776	\$83,626,267
Procurement of Material and Equipment	\$235,476,181	\$214,990,123	\$450,466,304
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$810,796,549	\$770,181,775	\$1,580,978,324
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,209,792,538	\$1,120,122,019	\$2,329,914,558

Alternative Route 26 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,407,093	\$81,177,480	\$170,584,573
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,920,047	\$47,086,365	\$79,006,412
Procurement of Material and Equipment	\$215,241,616	\$216,883,992	\$432,125,608
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$710,088,142	\$780,275,334	\$1,490,363,476
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,080,017,816	\$1,127,191,670	\$2,207,209,487

Alternative Route 27 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,213,387	\$82,893,161	\$176,106,548
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,423,279	\$48,360,525	\$81,783,805
Procurement of Material and Equipment	\$228,969,893	\$213,295,628	\$442,265,521
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$726,854,595	\$781,116,536	\$1,507,971,131
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,115,822,071	\$1,127,434,350	\$2,243,256,421

Alternative Route 28 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,644,853	\$81,348,339	\$175,993,192
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,988,613	\$48,839,710	\$82,828,323
Procurement of Material and Equipment	\$240,224,648	\$234,462,213	\$474,686,861
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$759,106,695	\$870,242,093	\$1,629,348,788
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,161,325,727	\$1,236,660,854	\$2,397,986,581

Alternative Route 29 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$88,341,707	\$72,829,177	\$161,170,884
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,499,291	\$46,729,726	\$78,229,016
Procurement of Material and Equipment	\$211,586,611	\$183,932,463	\$395,519,074
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$697,478,476	\$742,434,725	\$1,439,913,201
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,062,267,002	\$1,047,694,590	\$2,109,961,592

Alternative Route 30 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,059,467	\$80,768,734	\$170,828,201
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,177,691	\$47,304,748	\$79,482,439
Procurement of Material and Equipment	\$220,856,807	\$190,778,057	\$411,634,864
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$733,345,454	\$683,887,485	\$1,417,232,939
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,109,800,337	\$1,004,507,523	\$2,114,307,860

Alternative Route 31 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,063,840	\$84,598,863	\$175,662,703
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,574,352	\$47,640,963	\$80,215,314
Procurement of Material and Equipment	\$217,684,605	\$209,398,898	\$427,083,503
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$717,899,431	\$769,310,099	\$1,487,209,530
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,092,583,146	\$1,112,717,321	\$2,205,300,467

Alternative Route 32 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,524,427	\$90,972,560	\$180,496,987
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,966,386	\$47,125,643	\$79,092,029
Procurement of Material and Equipment	\$231,386,870	\$223,283,700	\$454,670,570
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$807,364,794	\$810,866,689	\$1,618,231,482
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,193,603,394	\$1,174,017,091	\$2,367,620,485

Alternative Route 33 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,801,013	\$71,549,624	\$162,350,637
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,470,553	\$47,552,981	\$80,023,534
Procurement of Material and Equipment	\$218,295,800	\$190,747,849	\$409,043,649
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$708,709,270	\$760,396,790	\$1,469,106,061
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,083,637,554	\$1,072,015,744	\$2,155,653,298

Alternative Route 34 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$87,651,787	\$71,549,624	\$159,201,411
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,226,818	\$46,498,775	\$77,725,593
Procurement of Material and Equipment	\$209,163,110	\$183,229,723	\$392,392,834
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$694,295,882	\$732,522,126	\$1,426,818,007
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,055,698,514	\$1,035,568,747	\$2,091,267,261

Alternative Route 35 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,828,533	\$75,520,759	\$168,349,292
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,271,288	\$48,231,695	\$81,502,983
Procurement of Material and Equipment	\$224,379,911	\$200,559,719	\$424,939,630
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$738,492,678	\$775,876,347	\$1,514,369,025
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,122,333,328	\$1,101,957,020	\$2,224,290,348

Alternative Route 36 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,401,440	\$71,549,624	\$163,951,064
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,102,614	\$48,088,725	\$81,191,340
Procurement of Material and Equipment	\$224,086,912	\$199,623,653	\$423,710,565
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$756,018,387	\$763,465,277	\$1,519,483,664
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,138,970,271	\$1,084,495,779	\$2,223,466,050

Alternative Route 37 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$88,482,507	\$72,589,693	\$161,072,200
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,554,897	\$46,776,859	\$78,331,756
Procurement of Material and Equipment	\$211,836,756	\$185,398,794	\$397,235,551
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$697,992,486	\$741,085,618	\$1,439,078,104
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,063,227,564	\$1,047,619,463	\$2,110,847,028

Alternative Route 38 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,439,307	\$80,266,509	\$171,705,816
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,722,636	\$47,766,650	\$80,489,286
Procurement of Material and Equipment	\$218,607,527	\$216,305,780	\$434,913,307
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$719,709,220	\$832,902,268	\$1,552,611,487
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,095,839,607	\$1,179,009,706	\$2,274,849,313

Alternative Route 39 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$88,656,160	\$81,064,056	\$169,720,216
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,623,479	\$46,834,989	\$78,458,468
Procurement of Material and Equipment	\$212,100,848	\$209,722,743	\$421,823,591
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$718,235,289	\$754,705,325	\$1,472,940,614
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,083,976,693	\$1,094,095,612	\$2,178,072,306

Alternative Route 40 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$88,393,333	\$78,285,215	\$166,678,548
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,519,680	\$46,747,008	\$78,266,688
Procurement of Material and Equipment	\$211,629,436	\$208,895,847	\$420,525,283
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$697,478,476	\$771,817,079	\$1,469,295,555
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,062,381,842	\$1,107,513,648	\$2,169,895,491

Alternative Route 41 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$87,726,880	\$71,825,837	\$159,552,717
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,256,475	\$46,523,912	\$77,780,387
Procurement of Material and Equipment	\$209,227,933	\$183,489,744	\$392,717,677
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$694,313,745	\$732,034,027	\$1,426,347,772
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,055,885,951	\$1,035,642,019	\$2,091,527,970

Alternative Route 42 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,017,547	\$71,549,624	\$160,567,171
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,766,202	\$46,955,964	\$78,722,166
Procurement of Material and Equipment	\$210,877,684	\$186,561,250	\$397,438,934
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$697,253,591	\$749,723,533	\$1,446,977,124
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,062,275,942	\$1,056,558,870	\$2,118,834,812

Alternative Route 43 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,688,373	\$71,549,624	\$162,237,997
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,426,067	\$47,515,275	\$79,941,342
Procurement of Material and Equipment	\$225,125,984	\$190,547,135	\$415,673,119
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$721,321,265	\$760,723,885	\$1,482,045,151
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,102,922,607	\$1,072,104,419	\$2,175,027,026

Alternative Route 44 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,767,200	\$71,549,624	\$165,316,824
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,641,999	\$48,545,915	\$82,187,913
Procurement of Material and Equipment	\$225,054,138	\$203,738,891	\$428,793,028
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$733,841,522	\$810,004,861	\$1,543,846,383
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,119,665,776	\$1,135,607,789	\$2,255,273,565

Alternative Route 45 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,759,093	\$78,285,215	\$168,044,308
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,059,064	\$47,204,197	\$79,263,261
Procurement of Material and Equipment	\$212,638,628	\$212,779,218	\$425,417,846
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$710,042,573	\$777,744,016	\$1,487,786,589
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,077,860,276	\$1,117,781,145	\$2,195,641,421

Alternative Route 46 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,105,760	\$76,873,613	\$168,979,373
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,985,841	\$47,989,746	\$80,975,587
Procurement of Material and Equipment	\$227,021,563	\$201,729,469	\$428,751,033
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$734,153,198	\$778,201,377	\$1,512,354,574
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,119,627,279	\$1,106,562,704	\$2,226,189,984

Alternative Route 47 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,434,293	\$74,397,433	\$166,831,726
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,115,589	\$48,099,723	\$81,215,312
Procurement of Material and Equipment	\$223,026,989	\$199,279,685	\$422,306,674
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$737,226,749	\$767,230,921	\$1,504,457,670
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,119,164,538	\$1,090,776,262	\$2,209,940,799

Alternative Route 48 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,011,893	\$70,426,298	\$162,438,191
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,948,769	\$47,958,324	\$80,907,094
Procurement of Material and Equipment	\$222,377,626	\$198,715,943	\$421,093,569
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$754,962,464	\$754,534,287	\$1,509,496,751
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,135,661,671	\$1,073,403,351	\$2,209,065,022

Alternative Route 49 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,800,053	\$74,397,433	\$168,197,486
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,654,973	\$48,556,913	\$82,211,886
Procurement of Material and Equipment	\$225,081,389	\$202,432,988	\$427,514,378
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$796,617,573	\$718,652,335	\$1,515,269,907
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,182,514,906	\$1,045,808,168	\$2,228,323,074

Alternative Route 50 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,377,653	\$70,426,298	\$163,803,951
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,488,154	\$48,415,514	\$81,903,667
Procurement of Material and Equipment	\$223,861,295	\$202,219,445	\$426,080,740
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$731,947,826	\$802,019,274	\$1,533,967,100
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,116,035,846	\$1,124,849,030	\$2,240,884,876

Alternative Route 51 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,208,373	\$71,466,367	\$165,674,740
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,816,233	\$48,693,598	\$82,509,831
Procurement of Material and Equipment	\$226,355,648	\$204,652,836	\$431,008,484
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$736,568,100	\$809,574,428	\$1,546,142,529
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,124,309,272	\$1,136,155,729	\$2,260,465,000

Alternative Route 52 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$87,257,547	\$70,426,298	\$157,683,845
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,071,120	\$46,366,802	\$77,437,922
Procurement of Material and Equipment	\$208,046,124	\$181,732,024	\$389,778,149
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$692,974,746	\$723,941,077	\$1,416,915,823
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,052,710,454	\$1,024,234,701	\$2,076,945,155

Alternative Route 53 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$88,623,307	\$70,426,298	\$159,049,605
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,610,504	\$46,823,992	\$78,434,496
Procurement of Material and Equipment	\$209,388,156	\$185,407,243	\$394,795,399
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$693,107,213	\$744,437,071	\$1,437,544,284
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,056,090,097	\$1,048,863,103	\$2,104,953,200

Alternative Route 54 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,931,787	\$70,426,298	\$163,358,085
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,312,066	\$48,266,260	\$81,578,325
Procurement of Material and Equipment	\$233,619,167	\$201,068,297	\$434,687,464
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$729,321,774	\$799,086,219	\$1,528,407,993
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,122,545,711	\$1,120,615,573	\$2,243,161,284

Alternative Route 55 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,768,480	\$87,055,782	\$176,824,262
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,062,771	\$47,207,340	\$79,270,110
Procurement of Material and Equipment	\$215,220,870	\$210,928,588	\$426,149,458
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$716,654,815	\$813,976,910	\$1,530,631,725
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,087,067,853	\$1,160,937,119	\$2,248,004,972

Alternative Route 56 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,678,027	\$78,951,998	\$172,630,025
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,606,781	\$48,516,064	\$82,122,845
Procurement of Material and Equipment	\$241,218,861	\$195,322,390	\$436,541,251
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$793,389,952	\$684,300,651	\$1,477,690,603
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,195,254,538	\$1,008,859,602	\$2,204,114,141

Alternative Route 57 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,011,253	\$82,060,114	\$176,071,367
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,738,383	\$48,627,612	\$82,365,995
Procurement of Material and Equipment	\$240,824,764	\$212,075,569	\$452,900,333
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$807,582,759	\$722,510,913	\$1,530,093,672
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,209,518,077	\$1,067,042,707	\$2,276,560,784

Alternative Route 58 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,786,293	\$80,607,589	\$173,393,882
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,254,606	\$48,217,555	\$81,472,161
Procurement of Material and Equipment	\$220,527,171	\$202,727,610	\$423,254,781
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$764,743,919	\$704,899,635	\$1,469,643,554
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,144,672,907	\$1,038,220,889	\$2,182,893,795

Alternative Route 59 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$95,151,733	\$80,822,292	\$175,974,025
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,188,797	\$49,009,389	\$83,198,186
Procurement of Material and Equipment	\$236,525,771	\$210,742,296	\$447,268,067
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$753,516,086	\$795,133,209	\$1,548,649,295
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,152,743,305	\$1,137,475,685	\$2,290,218,990

Alternative Route 60 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,894,240	\$78,858,843	\$171,753,083
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,297,238	\$48,253,691	\$81,550,928
Procurement of Material and Equipment	\$221,712,783	\$195,800,941	\$417,513,724
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$769,190,610	\$681,559,988	\$1,450,750,598
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,150,455,788	\$1,006,241,961	\$2,156,697,750

Alternative Route 61 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,461,173	\$76,783,334	\$173,244,507
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,705,938	\$49,447,725	\$84,153,663
Procurement of Material and Equipment	\$237,283,898	\$222,034,272	\$459,318,170
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$753,259,619	\$843,205,815	\$1,596,465,434
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,155,071,546	\$1,193,239,646	\$2,348,311,192

Alternative Route 62 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$96,170,187	\$84,808,833	\$180,979,020
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,591,018	\$49,350,317	\$83,941,335
Procurement of Material and Equipment	\$236,308,132	\$215,071,741	\$451,379,873
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$758,241,520	\$778,831,423	\$1,537,072,943
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,158,671,774	\$1,129,830,813	\$2,288,502,587

Alternative Route 63 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$97,024,373	\$83,085,325	\$180,109,698
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$34,928,365	\$49,636,257	\$84,564,621
Procurement of Material and Equipment	\$227,801,611	\$224,664,504	\$452,466,115
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$755,724,207	\$848,120,564	\$1,603,844,771
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,148,839,474	\$1,207,275,149	\$2,356,114,623

Alternative Route 64 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,937,120	\$80,214,085	\$171,151,205
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,524,306	\$47,598,543	\$80,122,849
Procurement of Material and Equipment	\$228,301,730	\$191,187,128	\$419,488,858
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$727,735,793	\$703,209,078	\$1,430,944,871
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,112,859,866	\$1,023,977,333	\$2,136,837,199

Alternative Route 65 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,110,773	\$81,840,419	\$172,951,192
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,592,887	\$47,656,674	\$80,249,561
Procurement of Material and Equipment	\$228,466,134	\$194,081,588	\$422,547,722
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$731,250,624	\$710,821,484	\$1,442,072,108
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,116,781,336	\$1,036,168,664	\$2,152,949,999

Alternative Route 66 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$90,120,480	\$81,492,633	\$171,613,113
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,201,787	\$47,325,172	\$79,526,959
Procurement of Material and Equipment	\$226,743,114	\$217,707,187	\$444,450,302
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$719,828,651	\$782,893,223	\$1,502,721,874
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,102,254,950	\$1,131,186,714	\$2,233,441,665

Alternative Route 67 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,364,853	\$81,492,633	\$170,857,486
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,903,365	\$47,072,225	\$78,975,590
Procurement of Material and Equipment	\$220,088,457	\$216,348,658	\$436,437,116
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$707,829,087	\$780,826,733	\$1,488,655,820
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,082,546,680	\$1,127,508,749	\$2,210,055,429

Alternative Route 68 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,195,893	\$81,492,633	\$170,688,526
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,836,637	\$47,015,666	\$78,852,303
Procurement of Material and Equipment	\$214,959,214	\$216,000,850	\$430,960,065
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$709,383,284	\$780,563,157	\$1,489,946,441
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,078,735,946	\$1,126,840,805	\$2,205,576,752

Alternative Route 69 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$89,266,293	\$78,020,381	\$167,286,674
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$31,864,441	\$47,039,232	\$78,903,673
Procurement of Material and Equipment	\$215,017,611	\$213,913,555	\$428,931,166
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$709,728,237	\$773,958,257	\$1,483,686,495
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,079,237,500	\$1,114,699,925	\$2,193,937,425

Alternative Route 70 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,030,987	\$79,645,408	\$170,676,395
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,561,377	\$47,629,965	\$80,191,342
Procurement of Material and Equipment	\$222,692,199	\$191,366,354	\$414,058,552
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$746,818,634	\$678,591,989	\$1,425,410,623
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,126,464,114	\$999,002,214	\$2,125,466,328

Alternative Route 71 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,406,133	\$81,492,633	\$173,898,766
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,104,468	\$48,090,297	\$81,194,765
Procurement of Material and Equipment	\$239,783,986	\$220,354,083	\$460,138,069
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$746,104,623	\$799,722,043	\$1,545,826,666
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,144,760,128	\$1,151,427,554	\$2,296,187,683

Alternative Route 72 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$93,142,987	\$81,492,633	\$174,635,620
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,395,476	\$48,336,959	\$81,732,435
Procurement of Material and Equipment	\$230,163,949	\$225,232,033	\$455,395,982
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$745,182,126	\$822,446,687	\$1,567,628,812
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,135,245,454	\$1,179,276,811	\$2,314,522,266

Alternative Route 73 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,120,160	\$77,755,956	\$168,876,116
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,596,594	\$47,659,816	\$80,256,410
Procurement of Material and Equipment	\$222,839,481	\$197,244,181	\$420,083,662
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$735,891,767	\$710,777,424	\$1,446,669,192
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,115,808,920	\$1,035,205,876	\$2,151,014,796

Alternative Route 74 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,485,920	\$77,755,956	\$170,241,876
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,135,978	\$48,117,005	\$81,252,984
Procurement of Material and Equipment	\$225,457,676	\$199,840,976	\$425,298,652
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$750,214,086	\$714,795,046	\$1,465,009,132
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,134,654,578	\$1,042,277,482	\$2,176,932,060

Alternative Route 75 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$92,349,813	\$81,051,857	\$173,401,670
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,082,225	\$48,071,443	\$81,153,669
Procurement of Material and Equipment	\$225,332,405	\$223,524,925	\$448,857,330
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$721,346,712	\$843,328,905	\$1,564,675,617
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,105,472,073	\$1,197,745,630	\$2,303,217,703

Alternative Route 76 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$94,114,507	\$80,919,818	\$175,034,325
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$33,779,161	\$48,662,176	\$82,441,338
Procurement of Material and Equipment	\$220,791,456	\$208,987,512	\$429,778,968
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$729,378,089	\$789,232,353	\$1,518,610,442
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,111,424,131	\$1,129,570,358	\$2,240,994,489

Alternative Route 77 Transmission Facilities

COST TYPE	AEP TEXAS	CPS ENERGY	TOTAL
Right-of-way and Land Acquisition	\$91,176,480	\$78,368,167	\$169,544,647
Engineering and Design (Utility)	\$18,716,419	\$850,378	\$19,566,797
Engineering and Design (Contract)	\$32,618,837	\$47,678,669	\$80,297,506
Procurement of Material and Equipment	\$228,520,637	\$192,089,613	\$420,610,250
Construction of Facilities (Utility)	\$14,644,499	\$918,121	\$15,562,620
Construction of Facilities (Contract)	\$731,250,624	\$704,687,619	\$1,435,938,243
Other (IDC)	\$0	\$0	\$0
Estimated Total Cost	\$1,116,927,496	\$1,024,592,568	\$2,141,520,064

ESTIMATED COSTS OF STATIONS

AEP Texas Solstice 765-kV Station

COST TYPE	TOTAL
Right-of-way and Land Acquisition	\$13,042,361
Engineering and Design (Utility)	\$6,750,452
Engineering and Design (Contract)	\$3,352,065
Procurement of Material and Equipment	\$225,708,522
Construction of Facilities (Utility)	\$4,747,065
Construction of Facilities (Contract)	\$97,164,929
Other	\$0
Estimated Total Cost	\$350,765,394

CPS Energy Howard 765-kV Station

COST TYPE	TOTAL
Right-of-way and Land Acquisition	\$12,920,534
Engineering and Design (Utility)	\$1,120,567
Engineering and Design (Contract)	\$15,097,718
Procurement of Material and Equipment	\$222,965,947
Construction of Facilities (Utility)	\$1,157,672
Construction of Facilities (Contract)	\$97,234,784
Other	\$0
Estimated Total Cost	\$350,497,223