

# **Attachment 3**

CPS Energy CCN Application  
(revised 7/10/2020)  
Estimated Costs for Transmission Line and Substation Facilities

Table 1: Transmission and Substation Facilities Total Estimated Costs

Route	Total Length (miles)	Sub Site	**Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
A	6.66	1	\$54,695,384	\$7,783,840	\$702,240	\$2,088,350	\$15,331,639	\$3,250,060	\$13,199,493	\$11,217,966
B	6.24	1	\$50,327,729	\$5,923,712	\$683,760	\$1,984,400	\$14,972,211	\$3,203,860	\$12,694,808	\$9,877,252
C	5.72	1	\$46,564,730	\$6,884,040	\$660,880	\$1,855,700	\$13,462,183	\$3,146,660	\$11,603,160	\$8,138,280
D	5.27	2	\$43,341,337	\$6,262,580	\$641,080	\$1,744,325	\$12,482,001	\$3,097,160	\$10,673,718	\$7,673,157
E	6.61	2	\$54,501,445	\$8,616,608	\$700,040	\$2,075,975	\$15,019,244	\$3,244,560	\$13,010,552	\$10,758,605
F	5.69	2	\$49,684,582	\$6,437,769	\$659,560	\$1,848,275	\$14,386,259	\$3,143,360	\$12,250,563	\$9,962,543
G	6.07	3	\$50,858,765	\$6,646,054	\$676,280	\$1,942,325	\$14,876,675	\$3,185,160	\$12,693,044	\$9,853,843
H	6.31	3	\$53,617,900	\$8,587,636	\$686,840	\$2,001,725	\$14,722,420	\$3,211,560	\$12,683,021	\$10,658,816
I	5.15	3	\$42,841,566	\$6,160,472	\$635,800	\$1,714,625	\$12,381,044	\$3,083,960	\$10,559,274	\$7,551,265
J	5.33	3	\$43,980,805	\$6,079,017	\$643,720	\$1,759,175	\$12,892,711	\$3,103,760	\$11,068,715	\$7,667,006
K	5.28	3	\$46,463,236	\$5,869,179	\$641,520	\$1,746,800	\$13,328,636	\$3,098,260	\$11,364,549	\$9,467,538
L	6.89	3	\$54,078,119	\$7,227,514	\$712,360	\$2,145,275	\$14,738,090	\$3,275,360	\$12,845,846	\$11,939,704
M	5.9	4	\$45,453,013	\$6,090,765	\$668,800	\$1,900,250	\$13,168,590	\$3,166,460	\$11,366,961	\$8,264,715
N	5.36	5	\$46,830,164	\$4,928,033	\$645,040	\$1,766,600	\$13,997,195	\$3,107,060	\$11,849,811	\$9,578,568
O	6.84	5	\$56,198,718	\$4,797,587	\$710,160	\$2,132,900	\$17,383,068	\$3,269,860	\$14,650,892	\$12,049,319
P	4.91	6	\$43,416,772	\$3,992,817	\$625,240	\$1,655,225	\$12,975,245	\$3,057,560	\$10,990,484	\$9,200,182
Q	5.58	6	\$45,908,645	\$4,581,372	\$654,720	\$1,821,050	\$13,306,684	\$3,131,260	\$11,332,630	\$10,073,571
R	4.78	6	\$43,674,245	\$4,268,147	\$619,520	\$1,623,050	\$13,185,361	\$3,043,260	\$11,139,491	\$8,904,923
S	6.73	6	\$55,327,170	\$4,250,341	\$705,320	\$2,105,675	\$17,071,712	\$3,257,760	\$14,581,618	\$12,140,676
T	6.01	6	\$46,879,603	\$5,521,185	\$673,640	\$1,927,475	\$13,433,194	\$3,178,560	\$11,323,169	\$9,838,527
U	6.39	6	\$50,591,562	\$4,927,267	\$690,360	\$2,021,525	\$14,594,814	\$3,220,360	\$12,620,788	\$11,378,589
V	6.6	6	\$54,169,034	\$3,783,721	\$699,600	\$2,073,500	\$17,045,497	\$3,243,460	\$14,223,883	\$11,908,522
W	6.26	6	\$52,873,843	\$4,137,701	\$684,640	\$1,989,350	\$16,482,368	\$3,206,060	\$13,857,732	\$11,378,174
X	5.26	7	\$45,209,206	\$5,008,260	\$640,640	\$1,741,850	\$13,411,115	\$3,096,060	\$11,334,290	\$9,069,992
Y	5.25	7	\$42,749,638	\$5,914,413	\$640,200	\$1,739,375	\$11,953,827	\$3,094,960	\$10,419,481	\$8,170,347
Z	4.59	7	\$38,330,470	\$4,085,209	\$611,160	\$1,576,025	\$11,522,418	\$3,022,360	\$9,733,673	\$7,072,386
AA	4.77	7	\$38,387,603	\$4,003,754	\$619,080	\$1,620,575	\$11,413,992	\$3,042,160	\$9,781,103	\$7,188,126
BB	4.72	7	\$43,640,501	\$3,793,915	\$616,880	\$1,608,200	\$13,404,855	\$3,036,660	\$11,292,466	\$8,988,659
CC	5.23	7	\$44,097,982	\$4,455,112	\$639,320	\$1,734,425	\$12,967,785	\$3,092,760	\$11,037,540	\$9,246,400

\*\*Estimated Costs include a 10% Contingency for unknown project costs not evident at the time these estimates were created.

Table 2: Transmission and Substation Facilities Total Estimated Costs (Sorted Least to Most Expensive)

Route	Total Length (miles)	Sub Site	**Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
Z	4.59	7	\$38,330,469	\$4,085,209	\$611,160	\$1,576,025	\$11,522,418	\$3,022,360	\$9,733,673	\$7,072,386
AA	4.77	7	\$38,387,603	\$4,003,754	\$619,080	\$1,620,575	\$11,413,992	\$3,042,160	\$9,781,103	\$7,188,126
Y	5.25	7	\$42,749,638	\$5,914,413	\$640,200	\$1,739,375	\$11,953,827	\$3,094,960	\$10,419,481	\$8,170,347
I	5.15	3	\$42,841,566	\$6,160,472	\$635,800	\$1,714,625	\$12,381,044	\$3,083,960	\$10,559,274	\$7,551,265
D	5.27	2	\$43,341,336	\$6,262,580	\$641,080	\$1,744,325	\$12,482,001	\$3,097,160	\$10,673,718	\$7,673,157
P	4.91	6	\$43,416,771	\$3,992,817	\$625,240	\$1,655,225	\$12,975,245	\$3,057,560	\$10,990,484	\$9,200,182
BB	4.72	7	\$43,640,501	\$3,793,915	\$616,880	\$1,608,200	\$13,404,855	\$3,036,660	\$11,292,466	\$8,988,659
R	4.78	6	\$43,674,245	\$4,268,147	\$619,520	\$1,623,050	\$13,185,361	\$3,043,260	\$11,139,491	\$8,904,923
J	5.33	3	\$43,980,804	\$6,079,017	\$643,720	\$1,759,175	\$12,892,711	\$3,103,760	\$11,068,715	\$7,667,006
CC	5.23	7	\$44,097,981	\$4,455,112	\$639,320	\$1,734,425	\$12,967,785	\$3,092,760	\$11,037,540	\$9,246,400
X	5.26	7	\$45,209,206	\$5,008,260	\$640,640	\$1,741,850	\$13,411,115	\$3,096,060	\$11,334,290	\$9,069,992
M	5.9	4	\$45,453,012	\$6,090,765	\$668,800	\$1,900,250	\$13,168,590	\$3,166,460	\$11,366,961	\$8,264,715
Q	5.58	6	\$45,908,644	\$4,581,372	\$654,720	\$1,821,050	\$13,306,684	\$3,131,260	\$11,332,630	\$10,073,571
K	5.28	3	\$46,463,235	\$5,869,179	\$641,520	\$1,746,800	\$13,328,636	\$3,098,260	\$11,364,549	\$9,467,538
C	5.72	1	\$46,564,730	\$6,884,040	\$660,880	\$1,855,700	\$13,462,183	\$3,146,660	\$11,603,160	\$8,138,280
N	5.36	5	\$46,830,164	\$4,928,033	\$645,040	\$1,766,600	\$13,997,195	\$3,107,060	\$11,849,811	\$9,578,568
T	6.01	6	\$46,879,602	\$5,521,185	\$673,640	\$1,927,475	\$13,433,194	\$3,178,560	\$11,323,169	\$9,838,527
F	5.69	2	\$49,684,582	\$6,437,769	\$659,560	\$1,848,275	\$14,386,259	\$3,143,360	\$12,250,563	\$9,962,543
B	6.24	1	\$50,327,729	\$5,923,712	\$683,760	\$1,984,400	\$14,972,211	\$3,203,860	\$12,694,808	\$9,877,252
U	6.39	6	\$50,591,562	\$4,927,267	\$690,360	\$2,021,525	\$14,594,814	\$3,220,360	\$12,620,788	\$11,378,589
G	6.07	3	\$50,858,764	\$6,646,054	\$676,280	\$1,942,325	\$14,876,675	\$3,185,160	\$12,693,044	\$9,853,843
W	6.26	6	\$52,873,842	\$4,137,701	\$684,640	\$1,989,350	\$16,482,368	\$3,206,060	\$13,857,732	\$11,378,174
H	6.31	3	\$53,617,900	\$8,587,636	\$686,840	\$2,001,725	\$14,722,420	\$3,211,560	\$12,683,021	\$10,658,816
L	6.89	3	\$54,078,118	\$7,227,514	\$712,360	\$2,145,275	\$14,738,090	\$3,275,360	\$12,845,846	\$11,939,704
V	6.6	6	\$54,169,033	\$3,783,721	\$699,600	\$2,073,500	\$17,045,497	\$3,243,460	\$14,223,883	\$11,908,522
E	6.61	2	\$54,501,445	\$8,616,608	\$700,040	\$2,075,975	\$15,019,244	\$3,244,560	\$13,010,552	\$10,758,605
A	6.66	1	\$54,695,383	\$7,783,840	\$702,240	\$2,088,350	\$15,331,639	\$3,250,060	\$13,199,493	\$11,217,966
S	6.73	6	\$55,327,169	\$4,250,341	\$705,320	\$2,105,675	\$17,071,712	\$3,257,760	\$14,581,618	\$12,140,676
O	6.84	5	\$56,198,717	\$4,797,587	\$710,160	\$2,132,900	\$17,383,068	\$3,269,860	\$14,650,892	\$12,049,319

Table 3: Transmission Facilities Total Estimated Costs

Route	Total Length (miles)	Sub Site	Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
A	6.66	1	\$39,479,733	\$6,205,475	\$266,400	\$1,498,500	\$10,375,854	\$666,000	\$9,249,539	\$11,217,966
B	6.24	1	\$35,509,138	\$4,514,450	\$249,600	\$1,404,000	\$10,049,101	\$624,000	\$8,790,734	\$9,877,252
C	5.72	1	\$32,088,230	\$5,387,475	\$228,800	\$1,287,000	\$8,676,348	\$572,000	\$7,798,327	\$8,138,280
D	5.27	2	\$28,505,460	\$4,170,100	\$210,800	\$1,185,750	\$7,785,273	\$527,000	\$6,953,380	\$7,673,157
E	6.61	2	\$38,651,013	\$6,310,125	\$264,400	\$1,487,250	\$10,091,858	\$661,000	\$9,077,775	\$10,758,605
F	5.69	2	\$34,272,047	\$4,329,363	\$227,600	\$1,280,250	\$9,516,417	\$569,000	\$8,386,875	\$9,962,543
G	6.07	3	\$35,230,624	\$4,409,850	\$242,800	\$1,365,750	\$9,962,250	\$607,000	\$8,789,131	\$9,853,843
H	6.31	3	\$37,738,928	\$6,174,925	\$252,400	\$1,419,750	\$9,822,018	\$631,000	\$8,780,019	\$10,658,816
I	5.15	3	\$27,942,262	\$3,968,413	\$206,000	\$1,158,750	\$7,693,494	\$515,000	\$6,849,340	\$7,551,265
J	5.33	3	\$28,977,933	\$3,894,363	\$213,200	\$1,199,250	\$8,158,647	\$533,000	\$7,312,468	\$7,667,006
K	5.28	3	\$31,234,689	\$3,703,600	\$211,200	\$1,188,000	\$8,554,942	\$528,000	\$7,581,408	\$9,467,538
L	6.89	3	\$38,157,309	\$4,938,450	\$275,600	\$1,550,250	\$9,836,263	\$689,000	\$8,928,042	\$11,939,704
M	5.9	4	\$31,281,124	\$4,869,863	\$236,000	\$1,327,500	\$8,409,446	\$590,000	\$7,583,600	\$8,264,715
N	5.36	5	\$32,797,996	\$4,077,750	\$214,400	\$1,206,000	\$9,162,723	\$536,000	\$8,022,555	\$9,578,568
O	6.84	5	\$41,314,863	\$3,959,163	\$273,600	\$1,539,000	\$12,240,789	\$684,000	\$10,568,993	\$12,049,319
P	4.91	6	\$29,662,709	\$3,195,350	\$196,400	\$1,104,750	\$8,233,678	\$491,000	\$7,241,349	\$9,200,182
Q	5.58	6	\$31,928,048	\$3,730,400	\$223,200	\$1,255,500	\$8,534,985	\$558,000	\$7,552,391	\$10,073,571
R	4.78	6	\$29,896,775	\$3,445,650	\$191,200	\$1,075,500	\$8,424,692	\$478,000	\$7,376,810	\$8,904,923
S	6.73	6	\$40,490,343	\$3,429,463	\$269,200	\$1,514,250	\$11,957,738	\$673,000	\$10,506,016	\$12,140,676
T	6.01	6	\$32,810,737	\$4,584,775	\$240,400	\$1,352,250	\$8,649,995	\$601,000	\$7,543,790	\$9,838,527
U	6.39	6	\$36,185,245	\$4,044,850	\$255,600	\$1,437,750	\$9,706,013	\$639,000	\$8,723,443	\$11,378,589
V	6.6	6	\$39,437,492	\$3,005,263	\$264,000	\$1,485,000	\$11,933,906	\$660,000	\$10,180,802	\$11,908,522
W	6.26	6	\$38,260,046	\$3,327,063	\$250,400	\$1,408,500	\$11,421,971	\$626,000	\$9,847,938	\$11,378,174
X	5.26	7	\$31,099,414	\$3,925,700	\$210,400	\$1,183,500	\$8,629,922	\$526,000	\$7,553,900	\$9,069,992
Y	5.25	7	\$28,863,443	\$4,749,475	\$210,000	\$1,181,250	\$7,305,116	\$525,000	\$6,722,255	\$8,170,347
Z	4.59	7	\$24,846,018	\$3,086,563	\$183,600	\$1,032,750	\$6,912,925	\$459,000	\$6,098,794	\$7,072,386
AA	4.77	7	\$24,897,957	\$3,012,513	\$190,800	\$1,073,250	\$6,814,356	\$477,000	\$6,141,912	\$7,188,126
BB	4.72	7	\$29,673,319	\$2,821,750	\$188,800	\$1,062,000	\$8,624,232	\$472,000	\$7,515,878	\$8,988,659
CC	5.23	7	\$30,089,210	\$3,422,838	\$209,200	\$1,176,750	\$8,226,896	\$523,000	\$7,284,127	\$9,246,400

Table 4: Substation Facilities Total Estimated Costs

Sub Site	Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)
1	\$10,243,343.00	\$ 870,743	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
2	\$10,895,754.79	\$ 1,523,155	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
3	\$11,004,617.00	\$ 1,632,017	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
4	\$10,039,796.54	\$ 667,197	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
5	\$9,774,880.00	\$ 402,280	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
6	\$9,807,084.00	\$ 434,484	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00
7	\$9,999,864.00	\$ 627,264	\$372,000.00	\$400,000.00	\$3,562,000.00	\$2,288,600.00	\$2,750,000.00