

CPS Energy CCN Application Amendment
(revised 12/23/2020)
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
B1	6.19	1	\$50,551,923	\$5,902,834	\$681,560	\$1,972,025	\$15,189,033	\$3,198,360	\$12,822,362	\$9,805,226
C1	5.77	1	\$47,373,301	\$6,793,477	\$663,080	\$1,868,075	\$13,867,819	\$3,152,160	\$11,925,364	\$8,275,750
D1	5.22	2	\$43,904,818	\$6,237,577	\$638,880	\$1,731,950	\$12,876,554	\$3,091,660	\$10,966,953	\$7,601,131
E	6.62	2	\$54,505,460	\$8,616,608	\$700,480	\$2,078,450	\$15,019,244	\$3,245,660	\$13,010,552	\$10,758,605
F1	5.66	2	\$49,658,757	\$6,417,969	\$658,240	\$1,840,850	\$14,386,259	\$3,140,060	\$12,250,563	\$9,968,015
G1	6.2	3	\$51,216,234	\$6,139,834	\$682,000	\$1,974,500	\$15,108,260	\$3,199,460	\$12,877,623	\$10,213,234
H	6.32	3	\$53,621,915	\$8,587,636	\$687,280	\$2,004,200	\$14,722,420	\$3,212,660	\$12,683,021	\$10,658,816
I1	5.03	3	\$42,877,497	\$6,601,539	\$630,520	\$1,684,925	\$12,368,953	\$3,070,760	\$10,527,670	\$7,266,482
J1	5.46	3	\$44,068,606	\$5,618,447	\$649,440	\$1,791,350	\$12,949,237	\$3,118,060	\$11,113,035	\$8,026,397
K	5.29	3	\$46,467,251	\$5,869,179	\$641,960	\$1,749,275	\$13,328,636	\$3,099,360	\$11,364,549	\$9,467,538
L	6.91	3	\$54,086,149	\$7,227,514	\$713,240	\$2,150,225	\$14,738,090	\$3,277,560	\$12,845,846	\$11,939,704
M1	5.85	4	\$46,044,320	\$6,318,803	\$666,600	\$1,887,875	\$13,430,851	\$3,160,960	\$11,567,273	\$8,192,689
N1	5.33	5	\$46,803,781	\$4,908,233	\$643,720	\$1,759,175	\$13,997,195	\$3,103,760	\$11,849,811	\$9,583,534
O	6.83	5	\$56,194,703	\$4,797,587	\$709,720	\$2,130,425	\$17,383,068	\$3,268,760	\$14,650,892	\$12,049,319
P	4.89	6	\$43,408,742	\$3,992,817	\$624,360	\$1,650,275	\$12,975,245	\$3,055,360	\$10,990,484	\$9,200,182
Q1	5.56	6	\$45,890,914	\$4,561,572	\$653,840	\$1,816,100	\$13,307,691	\$3,129,060	\$11,335,264	\$10,079,442
R1	4.76	6	\$43,522,858	\$4,248,347	\$618,640	\$1,618,100	\$13,186,368	\$3,041,060	\$11,142,125	\$8,789,289
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
T1	5.93	6	\$47,259,333	\$5,496,182	\$670,120	\$1,907,675	\$13,738,882	\$3,169,760	\$11,533,563	\$9,766,501
U1	6.36	6	\$50,562,536	\$4,907,467	\$689,040	\$2,014,100	\$14,593,806	\$3,217,060	\$12,618,154	\$11,384,462
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	6.25	6	\$52,869,828	\$4,137,701	\$684,200	\$1,986,875	\$16,482,368	\$3,204,960	\$13,857,732	\$11,378,174
X1	5.34	7	\$45,496,087	\$4,931,777	\$644,160	\$1,761,650	\$13,507,384	\$3,104,860	\$11,418,045	\$9,207,463
Y	5.23	7	\$42,723,887	\$5,900,333	\$639,320	\$1,734,425	\$11,952,819	\$3,092,760	\$10,416,847	\$8,170,347
Z1	4.53	7	\$38,474,771	\$4,174,144	\$608,520	\$1,561,175	\$11,523,763	\$3,015,760	\$9,891,014	\$7,000,360
AA1	4.82	7	\$38,291,572	\$4,261,602	\$621,280	\$1,632,950	\$11,064,175	\$3,047,660	\$9,595,667	\$7,334,761
BB	4.73	7	\$42,741,654	\$3,793,915	\$617,320	\$1,610,675	\$12,831,203	\$3,037,760	\$10,963,256	\$8,988,659
CC	5.23	7	\$43,897,472	\$4,455,112	\$639,320	\$1,734,425	\$12,792,717	\$3,092,760	\$11,012,099	\$9,246,400
DD	4.64	7	\$38,996,943	\$4,392,874	\$613,360	\$1,588,400	\$11,617,680	\$3,027,860	\$9,814,795	\$7,219,976
EE	4.99	7	\$39,757,435	\$4,393,897	\$628,760	\$1,675,025	\$11,566,090	\$3,066,360	\$9,886,810	\$7,764,084

**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
AA1	4.82	7	\$38,291,572	\$4,261,602	\$621,280	\$1,632,950	\$11,064,175	\$3,047,660	\$9,595,667	\$7,334,761
Z1	4.53	7	\$38,474,771	\$4,174,144	\$608,520	\$1,561,175	\$11,523,763	\$3,015,760	\$9,891,014	\$7,000,360
DD	4.64	7	\$38,996,943	\$4,392,874	\$613,360	\$1,588,400	\$11,617,680	\$3,027,860	\$9,814,795	\$7,219,976
EE	4.99	7	\$39,757,435	\$4,393,897	\$628,760	\$1,675,025	\$11,566,090	\$3,066,360	\$9,886,810	\$7,764,084
Y	5.23	7	\$42,723,887	\$5,900,333	\$639,320	\$1,734,425	\$11,952,819	\$3,092,760	\$10,416,847	\$8,170,347
BB	4.73	7	\$42,741,654	\$3,793,915	\$617,320	\$1,610,675	\$12,831,203	\$3,037,760	\$10,963,256	\$8,988,659
I1	5.03	3	\$42,877,497	\$6,601,539	\$630,520	\$1,684,925	\$12,368,953	\$3,070,760	\$10,527,670	\$7,266,482
P	4.89	6	\$43,408,742	\$3,992,817	\$624,360	\$1,650,275	\$12,975,245	\$3,055,360	\$10,990,484	\$9,200,182
R1	4.76	6	\$43,522,858	\$4,248,347	\$618,640	\$1,618,100	\$13,186,368	\$3,041,060	\$11,142,125	\$8,789,289
CC	5.23	7	\$43,897,472	\$4,455,112	\$639,320	\$1,734,425	\$12,792,717	\$3,092,760	\$11,012,099	\$9,246,400
D1	5.22	2	\$43,904,818	\$6,237,577	\$638,880	\$1,731,950	\$12,876,554	\$3,091,660	\$10,966,953	\$7,601,131
J1	5.46	3	\$44,068,606	\$5,618,447	\$649,440	\$1,791,350	\$12,949,237	\$3,118,060	\$11,113,035	\$8,026,397
X1	5.34	7	\$45,496,087	\$4,931,777	\$644,160	\$1,761,650	\$13,507,384	\$3,104,860	\$11,418,045	\$9,207,463
Q1	5.56	6	\$45,890,914	\$4,561,572	\$653,840	\$1,816,100	\$13,307,691	\$3,129,060	\$11,335,264	\$10,079,442
M1	5.85	4	\$46,044,320	\$6,318,803	\$666,600	\$1,887,875	\$13,430,851	\$3,160,960	\$11,567,273	\$8,192,689
K	5.29	3	\$46,467,251	\$5,869,179	\$641,960	\$1,749,275	\$13,328,636	\$3,099,360	\$11,364,549	\$9,467,538
N1	5.33	5	\$46,803,781	\$4,908,233	\$643,720	\$1,759,175	\$13,997,195	\$3,103,760	\$11,849,811	\$9,583,534
T1	5.93	6	\$47,259,333	\$5,496,182	\$670,120	\$1,907,675	\$13,738,882	\$3,169,760	\$11,533,563	\$9,766,501
C1	5.77	1	\$47,373,301	\$6,793,477	\$663,080	\$1,868,075	\$13,867,819	\$3,152,160	\$11,925,364	\$8,275,750
F1	5.66	2	\$49,658,757	\$6,417,969	\$658,240	\$1,840,850	\$14,386,259	\$3,140,060	\$12,250,563	\$9,968,015
B1	6.19	1	\$50,551,923	\$5,902,834	\$681,560	\$1,972,025	\$15,189,033	\$3,198,360	\$12,822,362	\$9,805,226
U1	6.36	6	\$50,562,536	\$4,907,467	\$689,040	\$2,014,100	\$14,593,806	\$3,217,060	\$12,618,154	\$11,384,462
G1	6.2	3	\$51,216,234	\$6,139,834	\$682,000	\$1,974,500	\$15,108,260	\$3,199,460	\$12,877,623	\$10,213,234
W	6.25	6	\$52,869,828	\$4,137,701	\$684,200	\$1,986,875	\$16,482,368	\$3,204,960	\$13,857,732	\$11,378,174
H	6.32	3	\$53,621,915	\$8,587,636	\$687,280	\$2,004,200	\$14,722,420	\$3,212,660	\$12,683,021	\$10,658,816
L	6.91	3	\$54,086,149	\$7,227,514	\$713,240	\$2,150,225	\$14,738,090	\$3,277,560	\$12,845,846	\$11,939,704
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
E	6.62	2	\$54,505,460	\$8,616,608	\$700,480	\$2,078,450	\$15,019,244	\$3,245,660	\$13,010,552	\$10,758,605
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
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
O	6.83	5	\$56,194,703	\$4,797,587	\$709,720	\$2,130,425	\$17,383,068	\$3,268,760	\$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
B1	6.19	1	\$35,821,831	\$4,604,350	\$247,600	\$1,392,750	\$10,246,212	\$619,000	\$8,906,692	\$9,805,226
C1	5.77	1	\$32,899,624	\$5,381,475	\$230,800	\$1,298,250	\$9,045,109	\$577,000	\$8,091,240	\$8,275,750
D1	5.22	2	\$29,130,346	\$4,260,000	\$208,800	\$1,174,500	\$8,143,958	\$522,000	\$7,219,957	\$7,601,131
E	6.62	2	\$38,654,663	\$6,310,125	\$264,800	\$1,489,500	\$10,091,858	\$662,000	\$9,077,775	\$10,758,605
F1	5.66	2	\$34,248,570	\$4,311,363	\$226,400	\$1,273,500	\$9,516,417	\$566,000	\$8,386,875	\$9,968,015
G1	6.2	3	\$36,200,846	\$4,594,900	\$248,000	\$1,395,000	\$10,172,782	\$620,000	\$8,956,930	\$10,213,234
H	6.32	3	\$37,742,578	\$6,174,925	\$252,800	\$1,422,000	\$9,822,018	\$632,000	\$8,780,019	\$10,658,816
I1	5.03	3	\$28,079,256	\$4,473,713	\$201,200	\$1,131,750	\$7,682,502	\$503,000	\$6,820,609	\$7,266,482
J1	5.46	3	\$29,661,502	\$4,079,413	\$218,400	\$1,228,500	\$8,210,034	\$546,000	\$7,352,759	\$8,026,397
K	5.29	3	\$31,238,339	\$3,703,600	\$211,600	\$1,190,250	\$8,554,942	\$529,000	\$7,581,408	\$9,467,538
L	6.91	3	\$38,164,609	\$4,938,450	\$276,400	\$1,554,750	\$9,836,263	\$691,000	\$8,928,042	\$11,939,704
M1	5.85	4	\$31,931,306	\$5,189,800	\$234,000	\$1,316,250	\$8,647,864	\$585,000	\$7,765,702	\$8,192,689
N1	5.33	5	\$32,774,012	\$4,059,750	\$213,200	\$1,199,250	\$9,162,723	\$533,000	\$8,022,555	\$9,583,534
O	6.83	5	\$41,311,213	\$3,959,163	\$273,200	\$1,536,750	\$12,240,789	\$683,000	\$10,568,993	\$12,049,319
P	4.89	6	\$29,655,409	\$3,195,350	\$195,600	\$1,100,250	\$8,233,678	\$489,000	\$7,241,349	\$9,200,182
Q1	5.56	6	\$31,911,929	\$3,712,400	\$222,400	\$1,251,000	\$8,535,901	\$556,000	\$7,554,785	\$10,079,442
R1	4.76	6	\$29,759,151	\$3,427,650	\$190,400	\$1,071,000	\$8,425,608	\$476,000	\$7,379,204	\$8,789,289
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
T1	5.93	6	\$33,268,576	\$4,674,675	\$237,200	\$1,334,250	\$8,927,893	\$593,000	\$7,735,057	\$9,766,501
U1	6.36	6	\$36,158,857	\$4,026,850	\$254,400	\$1,431,000	\$9,705,097	\$636,000	\$8,721,049	\$11,384,462
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	6.25	6	\$38,256,396	\$3,327,063	\$250,000	\$1,406,250	\$11,421,971	\$625,000	\$9,847,938	\$11,378,174
X1	5.34	7	\$31,423,745	\$3,919,700	\$213,600	\$1,201,500	\$8,717,440	\$534,000	\$7,630,041	\$9,207,463
Y	5.23	7	\$28,852,833	\$4,749,475	\$209,200	\$1,176,750	\$7,304,200	\$523,000	\$6,719,861	\$8,170,347
Z1	4.53	7	\$24,986,251	\$3,176,463	\$181,200	\$1,019,250	\$6,914,148	\$453,000	\$6,241,831	\$7,000,360
AA1	4.82	7	\$25,176,699	\$3,612,963	\$192,800	\$1,084,500	\$6,496,341	\$482,000	\$5,973,334	\$7,334,761
BB	4.73	7	\$28,856,185	\$2,821,750	\$189,200	\$1,064,250	\$8,102,730	\$473,000	\$7,216,596	\$8,988,659
CC	5.23	7	\$29,906,929	\$3,422,838	\$209,200	\$1,176,750	\$8,067,743	\$523,000	\$7,260,999	\$9,246,400
DD	4.64	7	\$25,528,232	\$3,442,588	\$185,600	\$1,044,000	\$6,999,527	\$464,000	\$6,172,541	\$7,219,976
EE	4.99	7	\$26,239,758	\$3,463,688	\$199,600	\$1,122,750	\$6,952,628	\$499,000	\$6,238,009	\$7,764,084

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