

Cook's Point CCN Application
Estimated Costs for Transmission Line and Substation Facilities

Table 1: Transmission and Substation Facilities Total Estimated Costs

Route	Sub 1	Sub 2	Length (miles)	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
1	Lyle Wolz	1	18.77	\$37,296,000	\$6,446,000	\$5,090,000	\$430,000	\$9,550,000	\$2,180,000	\$13,000,000	\$600,000
2	Lyle Wolz	1	18.49	\$36,236,000	\$6,176,000	\$5,080,000	\$430,000	\$9,400,000	\$2,180,000	\$12,370,000	\$600,000
3	Lyle Wolz	1	20.53	\$38,726,000	\$6,266,000	\$5,150,000	\$470,000	\$10,000,000	\$2,180,000	\$14,050,000	\$610,000
4	Lyle Wolz	2	20.53	\$36,588,000	\$5,318,000	\$5,100,000	\$460,000	\$9,880,000	\$2,160,000	\$12,980,000	\$690,000
5	Lyle Wolz	2	21.47	\$40,638,000	\$7,328,000	\$5,130,000	\$490,000	\$10,350,000	\$2,160,000	\$14,720,000	\$460,000
6	Lyle Wolz	2	20.12	\$38,448,000	\$5,998,000	\$5,090,000	\$460,000	\$10,080,000	\$2,160,000	\$13,970,000	\$690,000
7	Lyle Wolz	2	17.83	\$35,178,000	\$5,958,000	\$5,010,000	\$410,000	\$9,200,000	\$2,160,000	\$11,990,000	\$450,000
8	Lyle Wolz	3	20.66	\$39,982,000	\$6,272,000	\$5,210,000	\$470,000	\$10,910,000	\$2,180,000	\$14,370,000	\$570,000
9	Lyle Wolz	3	19.96	\$38,952,000	\$6,592,000	\$5,180,000	\$460,000	\$10,590,000	\$2,180,000	\$13,520,000	\$430,000
10	Lyle Wolz	3	23.36	\$40,822,000	\$5,742,000	\$5,300,000	\$510,000	\$11,450,000	\$2,180,000	\$14,850,000	\$790,000
11	Lyle Wolz	4	19.66	\$40,462,000	\$6,992,000	\$5,090,000	\$450,000	\$9,680,000	\$2,170,000	\$15,600,000	\$480,000
12	Lyle Wolz	4	18.27	\$35,712,000	\$5,452,000	\$5,050,000	\$410,000	\$9,220,000	\$2,170,000	\$12,920,000	\$490,000
13	Lyons	1	18.77	\$40,498,000	\$5,486,000	\$5,445,000	\$420,000	\$11,107,000	\$2,970,000	\$14,450,000	\$620,000
14	Lyons	1	18.90	\$38,928,000	\$4,716,000	\$5,455,000	\$420,000	\$11,157,000	\$2,970,000	\$13,570,000	\$640,000
15	Lyons	1	18.11	\$37,998,000	\$4,516,000	\$5,425,000	\$410,000	\$10,817,000	\$2,970,000	\$13,220,000	\$640,000
16	Lyons	1	19.64	\$41,568,000	\$5,526,000	\$5,475,000	\$440,000	\$11,407,000	\$2,970,000	\$15,120,000	\$630,000
17	Lyons	2	21.83	\$43,410,000	\$6,238,000	\$5,505,000	\$490,000	\$11,847,000	\$2,950,000	\$15,920,000	\$460,000
18	Lyons	3	20.59	\$43,534,000	\$5,292,000	\$5,555,000	\$460,000	\$12,607,000	\$2,970,000	\$16,230,000	\$420,000
19	Lyons	4	18.53	\$37,954,000	\$4,742,000	\$5,405,000	\$400,000	\$11,097,000	\$2,960,000	\$12,770,000	\$580,000
20	Lyons	4	17.07	\$36,044,000	\$4,132,000	\$5,355,000	\$380,000	\$10,727,000	\$2,960,000	\$11,960,000	\$530,000
21	Lyons	4	19.25	\$40,154,000	\$5,312,000	\$5,435,000	\$430,000	\$10,897,000	\$2,960,000	\$14,630,000	\$490,000
22	Lyons	4	17.57	\$37,284,000	\$4,432,000	\$5,375,000	\$390,000	\$10,737,000	\$2,960,000	\$12,870,000	\$520,000
23	Lyons	4	17.82	\$36,454,000	\$4,422,000	\$5,385,000	\$400,000	\$10,597,000	\$2,960,000	\$12,150,000	\$540,000
24	Lyons	4	19.30	\$39,864,000	\$5,322,000	\$5,435,000	\$440,000	\$11,087,000	\$2,960,000	\$14,090,000	\$530,000
25	Lyle Wolz	1	18.79	\$37,796,000	\$6,576,000	\$5,090,000	\$430,000	\$9,610,000	\$2,180,000	\$13,310,000	\$600,000
26	Lyle Wolz	1	19.38	\$38,856,000	\$6,876,000	\$5,110,000	\$440,000	\$9,850,000	\$2,180,000	\$13,800,000	\$600,000

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

Route	Sub 1	Sub 2	Length (miles)	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
7	Lyle Wolz	2	17.83	\$35,178,000	\$5,958,000	\$5,010,000	\$410,000	\$9,200,000	\$2,160,000	\$11,990,000	\$450,000
12	Lyle Wolz	4	18.27	\$35,712,000	\$5,452,000	\$5,050,000	\$410,000	\$9,220,000	\$2,170,000	\$12,920,000	\$490,000
20	Lyons	4	17.07	\$36,044,000	\$4,132,000	\$5,355,000	\$380,000	\$10,727,000	\$2,960,000	\$11,960,000	\$530,000
2	Lyle Wolz	1	18.49	\$36,236,000	\$6,176,000	\$5,080,000	\$430,000	\$9,400,000	\$2,180,000	\$12,370,000	\$600,000
23	Lyons	4	17.82	\$36,454,000	\$4,422,000	\$5,385,000	\$400,000	\$10,597,000	\$2,960,000	\$12,150,000	\$540,000
4	Lyle Wolz	2	20.53	\$36,588,000	\$5,318,000	\$5,100,000	\$460,000	\$9,880,000	\$2,160,000	\$12,980,000	\$690,000
22	Lyons	4	17.57	\$37,284,000	\$4,432,000	\$5,375,000	\$390,000	\$10,737,000	\$2,960,000	\$12,870,000	\$520,000
1	Lyle Wolz	1	18.77	\$37,296,000	\$6,446,000	\$5,090,000	\$430,000	\$9,550,000	\$2,180,000	\$13,000,000	\$600,000
25	Lyle Wolz	1	18.79	\$37,796,000	\$6,576,000	\$5,090,000	\$430,000	\$9,610,000	\$2,180,000	\$13,310,000	\$600,000
19	Lyons	4	18.53	\$37,954,000	\$4,742,000	\$5,405,000	\$400,000	\$11,097,000	\$2,960,000	\$12,770,000	\$580,000
15	Lyons	1	18.11	\$37,998,000	\$4,516,000	\$5,425,000	\$410,000	\$10,817,000	\$2,970,000	\$13,220,000	\$640,000
6	Lyle Wolz	2	20.12	\$38,448,000	\$5,998,000	\$5,090,000	\$460,000	\$10,080,000	\$2,160,000	\$13,970,000	\$690,000
3	Lyle Wolz	1	20.53	\$38,726,000	\$6,266,000	\$5,150,000	\$470,000	\$10,000,000	\$2,180,000	\$14,050,000	\$610,000
26	Lyle Wolz	1	19.38	\$38,856,000	\$6,876,000	\$5,110,000	\$440,000	\$9,850,000	\$2,180,000	\$13,800,000	\$600,000
14	Lyons	1	18.90	\$38,928,000	\$4,716,000	\$5,455,000	\$420,000	\$11,157,000	\$2,970,000	\$13,570,000	\$640,000
9	Lyle Wolz	3	19.96	\$38,952,000	\$6,592,000	\$5,180,000	\$460,000	\$10,590,000	\$2,180,000	\$13,520,000	\$430,000
24	Lyons	4	19.30	\$39,864,000	\$5,322,000	\$5,435,000	\$440,000	\$11,087,000	\$2,960,000	\$14,090,000	\$530,000
8	Lyle Wolz	3	20.66	\$39,982,000	\$6,272,000	\$5,210,000	\$470,000	\$10,910,000	\$2,180,000	\$14,370,000	\$570,000
21	Lyons	4	19.25	\$40,154,000	\$5,312,000	\$5,435,000	\$430,000	\$10,897,000	\$2,960,000	\$14,630,000	\$490,000
11	Lyle Wolz	4	19.66	\$40,462,000	\$6,992,000	\$5,090,000	\$450,000	\$9,680,000	\$2,170,000	\$15,600,000	\$480,000
13	Lyons	1	18.77	\$40,498,000	\$5,486,000	\$5,445,000	\$420,000	\$11,107,000	\$2,970,000	\$14,450,000	\$620,000
5	Lyle Wolz	2	21.47	\$40,638,000	\$7,328,000	\$5,130,000	\$490,000	\$10,350,000	\$2,160,000	\$14,720,000	\$460,000
10	Lyle Wolz	3	23.36	\$40,822,000	\$5,742,000	\$5,300,000	\$510,000	\$11,450,000	\$2,180,000	\$14,850,000	\$790,000
16	Lyons	1	19.64	\$41,568,000	\$5,526,000	\$5,475,000	\$440,000	\$11,407,000	\$2,970,000	\$15,120,000	\$630,000
17	Lyons	2	21.83	\$43,410,000	\$6,238,000	\$5,505,000	\$490,000	\$11,847,000	\$2,950,000	\$15,920,000	\$460,000
18	Lyons	3	20.59	\$43,534,000	\$5,292,000	\$5,555,000	\$460,000	\$12,607,000	\$2,970,000	\$16,230,000	\$420,000

Table 3: Transmission Facilities Estimated Total Costs

Route	Sub 1	Sub 2	Length (miles)	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
1	Lyle Wolz	1	18.77	\$30,440,000	\$6,350,000	\$4,360,000	\$430,000	\$6,260,000	\$0	\$13,000,000	\$40,000
2	Lyle Wolz	1	18.49	\$29,380,000	\$6,080,000	\$4,350,000	\$430,000	\$6,110,000	\$0	\$12,370,000	\$40,000
3	Lyle Wolz	1	20.53	\$31,870,000	\$6,170,000	\$4,420,000	\$470,000	\$6,710,000	\$0	\$14,050,000	\$50,000
4	Lyle Wolz	2	20.53	\$30,000,000	\$5,250,000	\$4,420,000	\$460,000	\$6,610,000	\$0	\$12,980,000	\$280,000
5	Lyle Wolz	2	21.47	\$34,050,000	\$7,260,000	\$4,450,000	\$490,000	\$7,080,000	\$0	\$14,720,000	\$50,000
6	Lyle Wolz	2	20.12	\$31,860,000	\$5,930,000	\$4,410,000	\$460,000	\$6,810,000	\$0	\$13,970,000	\$280,000
7	Lyle Wolz	2	17.83	\$28,590,000	\$5,890,000	\$4,330,000	\$410,000	\$5,930,000	\$0	\$11,990,000	\$40,000
8	Lyle Wolz	3	20.66	\$32,730,000	\$6,200,000	\$4,430,000	\$470,000	\$7,010,000	\$0	\$14,370,000	\$250,000
9	Lyle Wolz	3	19.96	\$31,700,000	\$6,520,000	\$4,400,000	\$460,000	\$6,690,000	\$0	\$13,520,000	\$110,000
10	Lyle Wolz	3	23.36	\$33,570,000	\$5,670,000	\$4,520,000	\$510,000	\$7,550,000	\$0	\$14,850,000	\$470,000
11	Lyle Wolz	4	19.66	\$33,780,000	\$6,920,000	\$4,390,000	\$450,000	\$6,400,000	\$0	\$15,600,000	\$20,000
12	Lyle Wolz	4	18.27	\$29,030,000	\$5,380,000	\$4,350,000	\$410,000	\$5,940,000	\$0	\$12,920,000	\$30,000
13	Lyons	1	18.77	\$30,930,000	\$5,390,000	\$4,360,000	\$420,000	\$6,250,000	\$0	\$14,450,000	\$60,000
14	Lyons	1	18.90	\$29,360,000	\$4,620,000	\$4,370,000	\$420,000	\$6,300,000	\$0	\$13,570,000	\$80,000
15	Lyons	1	18.11	\$28,430,000	\$4,420,000	\$4,340,000	\$410,000	\$5,960,000	\$0	\$13,220,000	\$80,000
16	Lyons	1	19.64	\$32,000,000	\$5,430,000	\$4,390,000	\$440,000	\$6,550,000	\$0	\$15,120,000	\$70,000
17	Lyons	2	21.83	\$34,110,000	\$6,170,000	\$4,470,000	\$490,000	\$7,010,000	\$0	\$15,920,000	\$50,000
18	Lyons	3	20.59	\$33,570,000	\$5,220,000	\$4,420,000	\$460,000	\$7,140,000	\$0	\$16,230,000	\$100,000
19	Lyons	4	18.53	\$28,560,000	\$4,670,000	\$4,350,000	\$400,000	\$6,250,000	\$0	\$12,770,000	\$120,000
20	Lyons	4	17.07	\$26,650,000	\$4,060,000	\$4,300,000	\$380,000	\$5,880,000	\$0	\$11,960,000	\$70,000
21	Lyons	4	19.25	\$30,760,000	\$5,240,000	\$4,380,000	\$430,000	\$6,050,000	\$0	\$14,630,000	\$30,000
22	Lyons	4	17.57	\$27,890,000	\$4,360,000	\$4,320,000	\$390,000	\$5,890,000	\$0	\$12,870,000	\$60,000
23	Lyons	4	17.82	\$27,060,000	\$4,350,000	\$4,330,000	\$400,000	\$5,750,000	\$0	\$12,150,000	\$80,000
24	Lyons	4	19.30	\$30,470,000	\$5,250,000	\$4,380,000	\$440,000	\$6,240,000	\$0	\$14,090,000	\$70,000
25	Lyle Wolz	1	18.79	\$30,940,000	\$6,480,000	\$4,360,000	\$430,000	\$6,320,000	\$0	\$13,310,000	\$40,000
26	Lyle Wolz	1	19.38	\$32,000,000	\$6,780,000	\$4,380,000	\$440,000	\$6,560,000	\$0	\$13,800,000	\$40,000

Table 4: Cooks Point Substation Facilities Estimated Total Costs

Sub Site	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
1	\$6,396,000	\$96,000	\$620,000	\$0	\$3,100,000	\$2,020,000	\$0	\$560,000
2	\$6,128,000	\$68,000	\$570,000	\$0	\$3,080,000	\$2,000,000	\$0	\$410,000
3	\$6,792,000	\$72,000	\$670,000	\$0	\$3,710,000	\$2,020,000	\$0	\$320,000
4	\$6,222,000	\$72,000	\$590,000	\$0	\$3,090,000	\$2,010,000	\$0	\$460,000

The "Other" costs include LCRA TSC substation contingency and BBEC costs associated with necessary distribution additions and equipment.

Table 5: Existing Substation Facilities Estimated Total Costs

Sub Site	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
Lyle Wolz	\$460,000	\$0	\$110,000	\$0	\$190,000	\$160,000	\$0	\$0
Lyons	\$3,172,000	\$0	\$465,000	\$0	\$1,757,000	\$950,000	\$0	\$0

The Lyons Substation cost estimate includes the additional substation equipment and remote end work at Lyle Wolz and Gay Hill substations that will be necessary if a route terminating at Lyons Substation is constructed. These costs will not be necessary if the Project terminates at Lyle Wolz Substation.