

Summary of calculated values for proposed SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Right-of way (ROW) Edges	Point	Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
		30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	0	8.9	8.7	0.4	0.0	7.7	5.8	4.8	4.8
	1	9.0	8.7	0.4	0.0	7.7	5.9	4.9	4.8
	2	9.1	8.8	0.4	0.0	7.8	5.9	4.9	4.9
	3	9.1	8.9	0.4	0.0	7.9	5.9	4.9	4.9
	4	9.2	9.0	0.4	0.0	7.9	6.0	5.0	4.9
	5	9.3	9.0	0.4	0.0	8.0	6.0	5.0	5.0
	6	9.4	9.1	0.4	0.0	8.0	6.1	5.0	5.0
	7	9.5	9.2	0.4	0.0	8.1	6.1	5.0	5.0
	8	9.5	9.3	0.4	0.0	8.2	6.2	5.1	5.0
	9	9.6	9.3	0.4	0.0	8.2	6.2	5.1	5.1
	10	9.7	9.4	0.4	0.0	8.3	6.3	5.1	5.1
	11	9.8	9.5	0.4	0.0	8.4	6.3	5.2	5.1
	12	9.9	9.6	0.4	0.0	8.4	6.4	5.2	5.2
	13	10.0	9.7	0.4	0.0	8.5	6.4	5.2	5.2
	14	10.0	9.7	0.4	0.0	8.6	6.5	5.3	5.2
	15	10.1	9.8	0.4	0.0	8.6	6.5	5.3	5.3
	16	10.2	9.9	0.4	0.0	8.7	6.6	5.3	5.3
	17	10.3	10.0	0.4	0.0	8.8	6.6	5.4	5.3
	18	10.4	10.1	0.4	0.0	8.8	6.7	5.4	5.3
	19	10.5	10.2	0.4	0.0	8.9	6.8	5.4	5.4
	20	10.6	10.3	0.4	0.0	9.0	6.8	5.5	5.4
	21	10.7	10.4	0.4	0.0	9.1	6.9	5.5	5.4
	22	10.8	10.4	0.4	0.0	9.1	6.9	5.5	5.5
	23	10.9	10.5	0.4	0.0	9.2	7.0	5.6	5.5
	24	11.0	10.6	0.4	0.0	9.3	7.0	5.6	5.5
	25	11.1	10.7	0.4	0.0	9.4	7.1	5.6	5.6
	26	11.2	10.8	0.4	0.0	9.4	7.2	5.7	5.6
	27	11.3	10.9	0.4	0.0	9.5	7.2	5.7	5.7
	28	11.4	11.0	0.4	0.0	9.6	7.3	5.7	5.7
	29	11.5	11.1	0.4	0.0	9.7	7.3	5.8	5.7
	30	11.6	11.2	0.5	0.0	9.8	7.4	5.8	5.8
	31	11.7	11.3	0.5	0.0	9.8	7.5	5.8	5.8
	32	11.9	11.4	0.5	0.0	9.9	7.5	5.9	5.8
	33	12.0	11.5	0.5	0.0	10.0	7.6	5.9	5.9
	34	12.1	11.6	0.5	0.0	10.1	7.7	6.0	5.9
	35	12.2	11.7	0.5	0.0	10.2	7.7	6.0	5.9
	36	12.3	11.9	0.5	0.0	10.3	7.8	6.0	6.0
	37	12.4	12.0	0.5	0.0	10.4	7.9	6.1	6.0
	38	12.6	12.1	0.5	0.0	10.5	7.9	6.1	6.1
	39	12.7	12.2	0.5	0.0	10.5	8.0	6.1	6.1
	40	12.8	12.3	0.5	0.0	10.6	8.1	6.2	6.1
	41	12.9	12.4	0.5	0.0	10.7	8.2	6.2	6.2
	42	13.1	12.6	0.5	0.0	10.8	8.2	6.3	6.2
	43	13.2	12.7	0.5	0.0	10.9	8.3	6.3	6.3
	44	13.3	12.8	0.5	0.0	11.0	8.4	6.4	6.3
	45	13.5	12.9	0.5	0.0	11.1	8.5	6.4	6.3
	46	13.6	13.1	0.5	0.0	11.2	8.5	6.4	6.4
	47	13.8	13.2	0.5	0.0	11.3	8.6	6.5	6.4

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	48	13.9	13.3	0.5	0.0	11.4	8.7	6.5	6.5
	49	14.1	13.4	0.5	0.0	11.5	8.8	6.6	6.5
	50	14.2	13.6	0.5	0.0	11.6	8.9	6.6	6.6
	51	14.3	13.7	0.5	0.0	11.7	9.0	6.7	6.6
	52	14.5	13.9	0.6	0.0	11.9	9.0	6.7	6.6
	53	14.7	14.0	0.6	0.0	12.0	9.1	6.8	6.7
	54	14.8	14.1	0.6	0.0	12.1	9.2	6.8	6.7
	55	15.0	14.3	0.6	0.0	12.2	9.3	6.8	6.8
	56	15.1	14.4	0.6	0.0	12.3	9.4	6.9	6.8
	57	15.3	14.6	0.6	0.0	12.4	9.5	6.9	6.9
	58	15.5	14.7	0.6	0.0	12.5	9.6	7.0	6.9
	59	15.6	14.9	0.6	0.0	12.7	9.7	7.0	7.0
	60	15.8	15.0	0.6	0.0	12.8	9.8	7.1	7.0
	61	16.0	15.2	0.6	0.0	12.9	9.9	7.1	7.1
	62	16.2	15.4	0.6	0.0	13.0	10.0	7.2	7.1
	63	16.3	15.5	0.6	0.0	13.2	10.1	7.2	7.2
	64	16.5	15.7	0.6	0.0	13.3	10.2	7.3	7.2
	65	16.7	15.9	0.6	0.0	13.4	10.3	7.3	7.3
	66	16.9	16.0	0.6	0.0	13.6	10.4	7.4	7.3
	67	17.1	16.2	0.6	0.0	13.7	10.5	7.4	7.4
	68	17.3	16.4	0.7	0.0	13.8	10.6	7.5	7.4
	69	17.5	16.6	0.7	0.0	14.0	10.7	7.6	7.5
	70	17.7	16.7	0.7	0.0	14.1	10.8	7.6	7.5
	71	17.9	16.9	0.7	0.0	14.3	10.9	7.7	7.6
	72	18.1	17.1	0.7	0.0	14.4	11.0	7.7	7.6
	73	18.3	17.3	0.7	0.0	14.5	11.2	7.8	7.7
	74	18.6	17.5	0.7	0.0	14.7	11.3	7.8	7.7
	75	18.8	17.7	0.7	0.0	14.9	11.4	7.9	7.8
	76	19.0	17.9	0.7	0.0	15.0	11.5	8.0	7.9
	77	19.2	18.1	0.7	0.0	15.2	11.6	8.0	7.9
	78	19.5	18.3	0.7	0.0	15.3	11.8	8.1	8.0
	79	19.7	18.5	0.7	0.0	15.5	11.9	8.1	8.0
	80	20.0	18.7	0.8	0.0	15.7	12.0	8.2	8.1
	81	20.2	18.9	0.8	0.0	15.8	12.2	8.3	8.2
	82	20.5	19.2	0.8	0.0	16.0	12.3	8.3	8.2
	83	20.7	19.4	0.8	0.0	16.2	12.4	8.4	8.3
	84	21.0	19.6	0.8	0.0	16.3	12.6	8.4	8.3
	85	21.2	19.8	0.8	0.0	16.5	12.7	8.5	8.4
	86	21.5	20.1	0.8	0.0	16.7	12.9	8.6	8.5
	87	21.8	20.3	0.8	0.0	16.9	13.0	8.6	8.5
	88	22.1	20.6	0.8	0.0	17.1	13.1	8.7	8.6
	89	22.4	20.8	0.8	0.0	17.3	13.3	8.8	8.7
	90	22.7	21.1	0.8	0.0	17.5	13.5	8.8	8.7
	91	23.0	21.3	0.9	0.0	17.7	13.6	8.9	8.8
	92	23.3	21.6	0.9	0.0	17.9	13.8	9.0	8.9
	93	23.6	21.8	0.9	0.0	18.1	13.9	9.1	8.9
	94	23.9	22.1	0.9	0.0	18.3	14.1	9.1	9.0
	95	24.2	22.4	0.9	0.0	18.5	14.3	9.2	9.1

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		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
		30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	96	24.5	22.7	0.9	0.0	18.7	14.4	9.3	9.1
	97	24.9	22.9	0.9	0.0	18.9	14.6	9.3	9.2
	98	25.2	23.2	0.9	0.0	19.1	14.8	9.4	9.3
	99	25.6	23.5	0.9	0.0	19.4	15.0	9.5	9.4
Segment D Edge ROW	100	25.9	23.8	1.0	0.0	19.6	15.2	9.6	9.4
	101	26.3	24.1	1.0	0.0	19.8	15.3	9.7	9.5
	102	26.7	24.4	1.0	0.0	20.1	15.5	9.7	9.6
	103	27.1	24.8	1.0	0.0	20.3	15.7	9.8	9.7
	104	27.4	25.1	1.0	0.0	20.6	15.9	9.9	9.7
	105	27.8	25.4	1.0	0.0	20.8	16.1	10.0	9.8
	106	28.2	25.7	1.0	0.0	21.1	16.3	10.1	9.9
	107	28.7	26.1	1.1	0.0	21.3	16.5	10.1	10.0
	108	29.1	26.4	1.1	0.0	21.6	16.8	10.2	10.1
	109	29.5	26.8	1.1	0.0	21.9	17.0	10.3	10.1
	110	29.9	27.1	1.1	0.0	22.1	17.2	10.4	10.2
	111	30.4	27.5	1.1	0.0	22.4	17.4	10.5	10.3
	112	30.9	27.9	1.1	0.0	22.7	17.7	10.6	10.4
	113	31.3	28.3	1.2	0.0	23.0	17.9	10.7	10.5
	114	31.8	28.7	1.2	0.0	23.3	18.1	10.8	10.6
	115	32.3	29.0	1.2	0.0	23.6	18.4	10.9	10.7
	116	32.8	29.4	1.2	0.0	23.9	18.6	11.0	10.8
	117	33.3	29.9	1.2	0.0	24.2	18.9	11.1	10.8
	118	33.8	30.3	1.2	0.0	24.6	19.2	11.2	10.9
	119	34.4	30.7	1.3	0.0	24.9	19.4	11.3	11.0
	120	34.9	31.1	1.3	0.0	25.2	19.7	11.4	11.1
	121	35.5	31.6	1.3	0.0	25.6	20.0	11.5	11.2
	122	36.0	32.0	1.3	0.0	25.9	20.3	11.6	11.3
	123	36.6	32.5	1.3	0.0	26.3	20.6	11.7	11.4
	124	37.2	32.9	1.4	0.0	26.7	20.9	11.8	11.5
	125	37.9	33.4	1.4	0.0	27.0	21.2	11.9	11.6
	126	38.5	33.9	1.4	0.0	27.4	21.5	12.0	11.7
	127	39.1	34.4	1.4	0.0	27.8	21.8	12.1	11.8
	128	39.8	34.9	1.4	0.0	28.2	22.1	12.2	11.9
	129	40.5	35.4	1.5	0.0	28.6	22.5	12.3	12.0
	130	41.2	35.9	1.5	0.0	29.0	22.8	12.4	12.2
	131	41.9	36.5	1.5	0.0	29.5	23.1	12.5	12.3
	132	42.6	37.0	1.5	0.0	29.9	23.5	12.7	12.4
	133	43.3	37.6	1.6	0.0	30.4	23.9	12.8	12.5
	134	44.1	38.1	1.6	0.0	30.8	24.3	12.9	12.6
	135	44.9	38.7	1.6	0.0	31.3	24.6	13.0	12.7
	136	45.7	39.3	1.7	0.0	31.8	25.0	13.1	12.8
	137	46.5	39.9	1.7	0.0	32.3	25.4	13.3	13.0
	138	47.4	40.5	1.7	0.0	32.8	25.9	13.4	13.1
	139	48.2	41.2	1.7	0.0	33.3	26.3	13.5	13.2
	140	49.1	41.8	1.8	0.0	33.8	26.7	13.7	13.3
	141	50.0	42.4	1.8	0.0	34.4	27.2	13.8	13.4
	142	51.0	43.1	1.8	0.0	34.9	27.7	13.9	13.6
	143	51.9	43.8	1.9	0.0	35.5	28.1	14.1	13.7

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	144	52.9	44.5	1.9	0.0	36.1	28.6	14.2	13.8
	145	53.9	45.2	2.0	0.0	36.7	29.1	14.4	14.0
	146	54.9	45.9	2.0	0.0	37.3	29.7	14.5	14.1
	147	56.0	46.6	2.0	0.0	38.0	30.2	14.6	14.2
	148	57.1	47.4	2.1	0.0	38.6	30.7	14.8	14.4
	149	58.2	48.1	2.1	0.0	39.3	31.3	14.9	14.5
Segment A Edge ROW	150	59.4	48.9	2.2	0.0	40.0	31.9	15.1	14.7
	151	60.6	49.7	2.2	0.0	40.7	32.5	15.2	14.8
	152	61.8	50.5	2.2	0.0	41.5	33.1	15.4	15.0
	153	63.0	51.3	2.3	0.0	42.2	33.8	15.6	15.1
	154	64.3	52.1	2.3	0.0	43.0	34.5	15.7	15.3
	155	65.7	53.0	2.4	0.1	43.8	35.1	15.9	15.4
	156	67.0	53.9	2.4	0.1	44.7	35.9	16.1	15.6
	157	68.4	54.7	2.5	0.1	45.5	36.6	16.2	15.7
	158	69.8	55.6	2.5	0.1	46.4	37.4	16.4	15.9
	159	71.3	56.5	2.6	0.1	47.4	38.1	16.6	16.0
	160	72.8	57.5	2.6	0.1	48.3	39.0	16.8	16.2
	161	74.4	58.4	2.7	0.1	49.3	39.8	16.9	16.4
	162	76.0	59.4	2.8	0.1	50.3	40.7	17.1	16.5
	163	77.7	60.4	2.8	0.1	51.4	41.6	17.3	16.7
	164	79.4	61.4	2.9	0.1	52.5	42.6	17.5	16.9
	165	81.1	62.4	3.0	0.1	53.6	43.6	17.7	17.1
	166	82.9	63.4	3.0	0.1	54.8	44.6	17.9	17.2
	167	84.8	64.5	3.1	0.1	56.0	45.6	18.1	17.4
	168	86.7	65.5	3.2	0.1	57.3	46.8	18.3	17.6
	169	88.6	66.6	3.3	0.1	58.7	47.9	18.5	17.8
	170	90.7	67.7	3.3	0.1	60.0	49.1	18.7	18.0
	171	92.7	68.8	3.4	0.1	61.5	50.4	18.9	18.2
	172	94.9	69.9	3.5	0.1	63.0	51.7	19.1	18.4
	173	97.1	71.1	3.6	0.1	64.5	53.1	19.4	18.6
	174	99.3	72.3	3.7	0.1	66.2	54.5	19.6	18.8
	175	101.7	73.4	3.8	0.1	67.9	56.0	19.8	19.0
	176	104.1	74.6	3.9	0.1	69.6	57.6	20.1	19.2
	177	106.5	75.8	4.0	0.1	71.5	59.2	20.3	19.4
	178	109.1	77.0	4.1	0.1	73.4	60.9	20.5	19.6
	179	111.7	78.2	4.2	0.1	75.4	62.7	20.8	19.8
	180	114.4	79.5	4.4	0.1	77.5	64.6	21.0	20.1
	181	117.1	80.7	4.5	0.1	79.7	66.6	21.3	20.3
	182	119.9	82.0	4.6	0.1	82.0	68.6	21.5	20.5
	183	122.8	83.2	4.7	0.1	84.3	70.8	21.8	20.8
	184	125.8	84.5	4.9	0.1	86.8	73.0	22.1	21.0
	185	128.9	85.8	5.0	0.1	89.4	75.3	22.3	21.2
	186	132.0	87.0	5.2	0.2	92.1	77.8	22.6	21.5
	187	135.2	88.3	5.4	0.2	94.9	80.3	22.9	21.7
	188	138.5	89.6	5.5	0.2	97.8	82.9	23.2	22.0
	189	141.9	90.8	5.7	0.2	100.9	85.7	23.5	22.2
	190	145.3	92.1	5.9	0.2	104.0	88.5	23.8	22.5
	191	148.9	93.3	6.1	0.2	107.2	91.5	24.1	22.8

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	192	152.5	94.5	6.3	0.2	110.6	94.5	24.4	23.0
	193	156.1	95.8	6.5	0.2	114.0	97.7	24.7	23.3
	194	159.8	96.9	6.8	0.2	117.6	100.9	25.0	23.6
	195	163.6	98.1	7.0	0.2	121.2	104.2	25.4	23.9
	196	167.5	99.3	7.2	0.2	125.0	107.6	25.7	24.2
	197	171.4	100.4	7.5	0.3	128.8	111.1	26.0	24.5
	198	175.3	101.5	7.8	0.3	132.6	114.7	26.4	24.8
	199	179.2	102.5	8.1	0.3	136.6	118.3	26.7	25.1
Segments B & C Edge ROW	200	183.2	103.5	8.4	0.3	140.6	121.9	27.1	25.4
	201	187.1	104.5	8.8	0.3	144.6	125.6	27.5	25.7
	202	191.1	105.4	9.1	0.3	148.6	129.3	27.9	26.0
	203	195.0	106.2	9.5	0.4	152.7	133.0	28.2	26.3
	204	198.9	107.0	9.9	0.4	156.7	136.7	28.6	26.6
	205	202.7	107.7	10.3	0.4	160.7	140.4	29.0	27.0
	206	206.4	108.4	10.8	0.4	164.8	144.1	29.4	27.3
	207	210.0	108.9	11.3	0.5	168.7	147.8	29.9	27.7
	208	213.4	109.4	11.8	0.5	172.7	151.4	30.3	28.0
	209	216.7	109.8	12.4	0.5	176.6	155.0	30.7	28.4
	210	219.8	110.2	13.0	0.6	180.4	158.5	31.2	28.7
	211	222.6	110.4	13.6	0.6	184.2	162.0	31.6	29.1
	212	225.2	110.5	14.3	0.7	188.0	165.4	32.1	29.5
	213	227.5	110.5	15.1	0.7	191.6	168.8	32.5	29.9
	214	229.4	110.4	15.9	0.8	195.2	172.1	33.0	30.2
	215	231.0	110.3	16.7	0.9	198.8	175.3	33.5	30.6
	216	232.2	110.0	17.7	0.9	202.2	178.5	34.0	31.0
	217	233.1	109.5	18.7	1.0	205.6	181.6	34.5	31.4
	218	233.4	109.0	19.8	1.1	209.0	184.7	35.0	31.9
	219	233.4	108.4	21.1	1.2	212.3	187.7	35.6	32.3
	220	232.8	107.6	22.4	1.3	215.5	190.6	36.1	32.7
	221	231.8	106.7	23.8	1.5	218.7	193.5	36.7	33.1
	222	230.4	105.7	25.4	1.6	221.9	196.4	37.2	33.6
	223	228.4	104.6	27.2	1.8	225.1	199.2	37.8	34.0
	224	226.0	103.4	29.1	2.0	228.2	202.0	38.4	34.5
	225	223.2	102.1	31.3	2.2	231.3	204.9	39.0	34.9
	226	219.9	100.6	33.7	2.4	234.5	207.7	39.6	35.4
	227	216.3	99.1	36.3	2.7	237.6	210.5	40.3	35.9
	228	212.2	97.4	39.3	3.1	240.8	213.4	40.9	36.4
	229	207.8	95.7	42.7	3.5	244.1	216.2	41.6	36.9
	230	203.0	93.9	46.4	3.9	247.4	219.2	42.2	37.3
	231	198.0	91.9	50.7	4.5	250.7	222.2	42.9	37.9
	232	192.7	89.9	55.5	5.1	254.1	225.2	43.6	38.4
	233	187.1	87.9	60.9	5.9	257.6	228.3	44.3	38.9
	234	181.4	85.7	67.2	6.8	261.1	231.5	45.1	39.4
	235	175.5	83.5	74.3	8.0	264.7	234.7	45.8	40.0
	236	169.5	81.2	82.5	9.3	268.3	238.0	46.6	40.5
	237	163.4	78.9	92.0	10.9	272.0	241.3	47.4	41.0
	238	157.3	76.5	102.9	13.0	275.7	244.7	48.2	41.6
	239	151.1	74.1	115.5	15.4	279.3	248.1	49.0	42.2

Summary of calculated values for proposed SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

		Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	240	144.8	71.7	130.0	18.4	283.0	251.4	49.8	42.7
	241	138.6	69.2	146.6	22.1	286.6	254.7	50.7	43.3
	242	132.5	66.8	165.5	26.5	290.1	258.0	51.5	43.9
	243	126.4	64.3	186.7	31.8	293.6	261.2	52.4	44.5
	244	120.4	61.8	209.9	38.0	296.8	264.2	53.3	45.1
	245	114.4	59.3	234.4	45.1	299.9	267.1	54.2	45.7
	246	108.6	56.9	259.0	52.6	302.8	269.8	55.2	46.3
	247	102.9	54.5	281.7	60.0	305.4	272.2	56.1	46.9
	248	97.3	52.1	300.5	66.4	307.7	274.4	57.1	47.6
	249	91.8	49.7	312.9	70.9	309.6	276.2	58.1	48.2
Centerline of calculations	250	86.5	47.4	317.2	72.4	311.2	277.8	59.1	48.8
	251	81.3	45.2	312.9	70.9	312.5	278.9	60.1	49.5
	252	76.3	43.1	300.5	66.4	313.3	279.7	61.2	50.1
	253	71.4	41.1	281.7	60.0	313.7	280.0	62.3	50.8
	254	66.6	39.3	259.0	52.6	313.7	280.0	63.3	51.4
	255	62.0	37.6	234.4	45.1	313.2	279.4	64.4	52.1
	256	57.6	36.1	209.9	38.0	312.3	278.4	65.6	52.8
	257	53.3	34.8	186.7	31.8	311.0	277.0	66.7	53.4
	258	49.2	33.7	165.5	26.5	309.2	275.1	67.8	54.1
	259	45.3	32.9	146.6	22.1	307.1	272.8	69.0	54.8
	260	41.5	32.4	130.0	18.4	304.6	270.1	70.2	55.4
	261	38.0	32.1	115.5	15.4	301.8	267.0	71.4	56.1
	262	34.8	32.2	102.9	13.0	298.7	263.5	72.6	56.8
	263	31.9	32.6	92.0	10.9	295.3	259.6	73.8	57.4
	264	29.3	33.3	82.5	9.3	291.6	255.4	75.0	58.1
	265	27.2	34.3	74.3	8.0	287.8	251.0	76.2	58.8
	266	25.6	35.5	67.2	6.8	283.8	246.2	77.4	59.5
	267	24.6	36.9	60.9	5.9	279.6	241.3	78.6	60.1
	268	24.2	38.5	55.5	5.1	275.4	236.1	79.8	60.8
	269	24.4	40.3	50.7	4.5	271.0	230.8	81.0	61.5
	270	25.2	42.2	46.4	3.9	266.6	225.4	82.2	62.1
	271	26.5	44.2	42.7	3.5	262.2	219.8	83.4	62.8
	272	28.2	46.3	39.3	3.1	257.7	214.2	84.5	63.4
	273	30.2	48.5	36.3	2.7	253.2	208.6	85.6	64.1
	274	32.4	50.6	33.7	2.4	248.7	202.9	86.7	64.7
	275	34.8	52.8	31.3	2.2	244.2	197.2	87.8	65.3
	276	37.2	55.0	29.1	2.0	239.8	191.6	88.8	66.0
	277	39.7	57.1	27.2	1.8	235.3	186.0	89.8	66.6
	278	42.2	59.2	25.4	1.6	230.9	180.5	90.7	67.2
	279	44.7	61.3	23.8	1.5	226.5	175.1	91.5	67.8
	280	47.1	63.3	22.4	1.3	222.1	169.7	92.3	68.5
	281	49.5	65.2	21.1	1.2	217.7	164.5	93.0	69.1
	282	51.8	67.0	19.8	1.1	213.4	159.5	93.6	69.7
	283	53.9	68.7	18.7	1.0	209.1	154.5	94.1	70.3
	284	56.0	70.3	17.7	0.9	204.8	149.7	94.6	71.0
	285	58.0	71.8	16.7	0.9	200.6	145.0	94.9	71.6
	286	59.8	73.2	15.9	0.8	196.4	140.5	95.2	72.2
	287	61.6	74.4	15.1	0.7	192.3	136.2	95.3	72.9

Summary of calculated values for proposed SX-PQ 230 kV Project

All values in milligauss (mG)
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		Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	288	63.2	75.6	14.3	0.7	188.1	132.0	95.4	73.6
	289	64.7	76.7	13.6	0.6	184.1	128.0	95.3	74.3
	290	66.1	77.6	13.0	0.6	180.1	124.1	95.2	75.0
	291	67.4	78.5	12.4	0.5	176.1	120.3	95.0	75.7
	292	68.6	79.3	11.8	0.5	172.2	116.7	94.7	76.5
	293	69.7	80.0	11.3	0.5	168.4	113.3	94.3	77.3
	294	70.7	80.6	10.8	0.4	164.6	109.9	93.9	78.2
	295	71.6	81.2	10.3	0.4	160.9	106.8	93.4	79.1
	296	72.5	81.7	9.9	0.4	157.3	103.7	92.9	80.1
	297	73.2	82.1	9.5	0.4	153.7	100.8	92.4	81.1
	298	74.0	82.5	9.1	0.3	150.2	97.9	91.9	82.2
	299	74.6	82.8	8.8	0.3	146.8	95.2	91.5	83.3
Segment C Edge ROW	300	75.2	83.1	8.4	0.3	143.5	92.6	91.0	84.6
	301	75.7	83.3	8.1	0.3	140.2	90.1	90.7	85.9
	302	76.2	83.5	7.8	0.3	137.0	87.7	90.4	87.3
	303	76.6	83.7	7.5	0.3	133.9	85.4	90.2	88.8
	304	77.0	83.7	7.2	0.2	130.8	83.2	90.2	90.4
	305	77.3	83.7	7.0	0.2	127.9	81.1	90.3	92.1
	306	77.5	83.7	6.8	0.2	125.0	79.0	90.5	93.9
	307	77.6	83.6	6.5	0.2	122.1	77.0	91.0	95.8
	308	77.7	83.4	6.3	0.2	119.4	75.1	91.6	97.8
	309	77.7	83.2	6.1	0.2	116.7	73.3	92.4	100.0
	310	77.6	82.9	5.9	0.2	114.1	71.5	93.4	102.3
	311	77.5	82.5	5.7	0.2	111.5	69.8	94.7	104.7
	312	77.2	82.0	5.5	0.2	109.1	68.1	96.2	107.2
	313	76.9	81.5	5.4	0.2	106.6	66.5	97.9	109.9
	314	76.6	80.9	5.2	0.2	104.3	65.0	99.9	112.7
	315	76.1	80.3	5.0	0.1	102.0	63.5	102.2	115.6
	316	75.6	79.6	4.9	0.1	99.8	62.1	104.6	118.7
	317	75.0	78.8	4.7	0.1	97.6	60.7	107.3	121.9
	318	74.4	78.0	4.6	0.1	95.5	59.4	110.3	125.2
	319	73.7	77.1	4.5	0.1	93.5	58.0	113.5	128.7
Segment B Edge ROW	320	73.0	76.2	4.4	0.1	91.5	56.8	116.9	132.3
	321	72.2	75.3	4.2	0.1	89.5	55.6	120.5	136.1
	322	71.4	74.3	4.1	0.1	87.6	54.4	124.3	140.0
	323	70.6	73.3	4.0	0.1	85.8	53.2	128.4	144.0
	324	69.7	72.3	3.9	0.1	84.0	52.1	132.6	148.2
	325	68.8	71.3	3.8	0.1	82.3	51.1	137.0	152.5
	326	67.9	70.3	3.7	0.1	80.6	50.0	141.5	156.9
	327	67.0	69.2	3.6	0.1	78.9	49.0	146.3	161.4
	328	66.1	68.1	3.5	0.1	77.3	48.0	151.1	166.1
	329	65.1	67.1	3.4	0.1	75.8	47.1	156.2	170.9
	330	64.2	66.0	3.3	0.1	74.2	46.1	161.3	175.7
	331	63.2	64.9	3.3	0.1	72.8	45.2	166.5	180.7
	332	62.2	63.9	3.2	0.1	71.3	44.4	171.9	185.8
	333	61.3	62.8	3.1	0.1	69.9	43.5	177.3	190.9
	334	60.3	61.8	3.0	0.1	68.6	42.7	182.8	196.1
	335	59.4	60.7	3.0	0.1	67.2	41.9	188.4	201.3

Summary of calculated values for proposed SX-PQ 230 kV Project

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		Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	336	58.4	59.7	2.9	0.1	65.9	41.1	194.0	206.6
	337	57.5	58.7	2.8	0.1	64.7	40.3	199.6	211.8
	338	56.5	57.7	2.8	0.1	63.4	39.6	205.1	217.1
	339	55.6	56.7	2.7	0.1	62.2	38.9	210.7	222.3
	340	54.7	55.7	2.6	0.1	61.1	38.2	216.2	227.5
	341	53.8	54.7	2.6	0.1	59.9	37.5	221.6	232.6
	342	52.9	53.8	2.5	0.1	58.8	36.8	226.9	237.5
	343	52.0	52.8	2.5	0.1	57.7	36.2	232.0	242.3
	344	51.2	51.9	2.4	0.1	56.7	35.5	236.9	246.9
	345	50.3	51.0	2.4	0.1	55.7	34.9	241.7	251.3
	346	49.5	50.1	2.3	0.0	54.7	34.3	246.1	255.5
	347	48.7	49.3	2.3	0.0	53.7	33.7	250.3	259.4
	348	47.9	48.4	2.2	0.0	52.7	33.1	254.2	262.9
	349	47.1	47.6	2.2	0.0	51.8	32.6	257.7	266.1
Segment A Edge ROW	350	46.3	46.8	2.2	0.0	50.9	32.0	260.9	269.0
	351	45.5	46.0	2.1	0.0	50.0	31.5	263.6	271.4
	352	44.8	45.2	2.1	0.0	49.1	31.0	266.0	273.4
	353	44.0	44.4	2.0	0.0	48.3	30.5	267.8	275.0
	354	43.3	43.7	2.0	0.0	47.5	30.0	269.3	276.1
	355	42.6	42.9	2.0	0.0	46.7	29.5	270.2	276.8
	356	41.9	42.2	1.9	0.0	45.9	29.0	270.8	277.0
	357	41.2	41.5	1.9	0.0	45.1	28.6	270.8	276.8
	358	40.5	40.8	1.8	0.0	44.4	28.1	270.5	276.1
	359	39.9	40.1	1.8	0.0	43.6	27.7	269.7	275.1
	360	39.2	39.4	1.8	0.0	42.9	27.2	268.5	273.6
	361	38.6	38.8	1.7	0.0	42.2	26.8	267.0	271.9
	362	38.0	38.2	1.7	0.0	41.5	26.4	265.1	269.7
	363	37.4	37.5	1.7	0.0	40.9	26.0	263.0	267.3
	364	36.8	36.9	1.7	0.0	40.2	25.6	260.5	264.6
	365	36.2	36.3	1.6	0.0	39.6	25.2	257.8	261.7
	366	35.6	35.7	1.6	0.0	39.0	24.9	254.9	258.6
	367	35.1	35.2	1.6	0.0	38.4	24.5	251.9	255.3
	368	34.5	34.6	1.5	0.0	37.8	24.1	248.6	251.9
	369	34.0	34.1	1.5	0.0	37.2	23.8	245.3	248.4
	370	33.5	33.5	1.5	0.0	36.6	23.4	241.8	244.8
	371	33.0	33.0	1.5	0.0	36.0	23.1	238.3	241.1
	372	32.5	32.5	1.4	0.0	35.5	22.8	234.8	237.3
	373	32.0	32.0	1.4	0.0	35.0	22.4	231.1	233.5
	374	31.5	31.5	1.4	0.0	34.4	22.1	227.5	229.7
	375	31.0	31.0	1.4	0.0	33.9	21.8	223.8	225.9
	376	30.6	30.5	1.4	0.0	33.4	21.5	220.1	222.1
	377	30.1	30.1	1.3	0.0	32.9	21.2	216.4	218.3
	378	29.7	29.6	1.3	0.0	32.5	20.9	212.7	214.4
	379	29.2	29.2	1.3	0.0	32.0	20.6	209.0	210.6
	380	28.8	28.8	1.3	0.0	31.5	20.3	205.2	206.8
	381	28.4	28.3	1.3	0.0	31.1	20.1	201.5	203.0
	382	28.0	27.9	1.2	0.0	30.6	19.8	197.8	199.2
	383	27.6	27.5	1.2	0.0	30.2	19.5	194.1	195.4

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Right-of way (ROW) Edges	Point	Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
		30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	384	27.2	27.1	1.2	0.0	29.8	19.3	190.4	191.6
	385	26.8	26.7	1.2	0.0	29.4	19.0	186.8	187.8
	386	26.4	26.3	1.2	0.0	29.0	18.8	183.1	184.1
	387	26.0	26.0	1.2	0.0	28.6	18.5	179.5	180.4
	388	25.7	25.6	1.1	0.0	28.2	18.3	175.8	176.7
	389	25.3	25.2	1.1	0.0	27.8	18.0	172.3	173.0
	390	25.0	24.9	1.1	0.0	27.4	17.8	168.7	169.4
	391	24.6	24.5	1.1	0.0	27.0	17.6	165.2	165.8
	392	24.3	24.2	1.1	0.0	26.7	17.3	161.7	162.3
	393	24.0	23.9	1.1	0.0	26.3	17.1	158.3	158.8
	394	23.6	23.5	1.0	0.0	26.0	16.9	154.9	155.4
	395	23.3	23.2	1.0	0.0	25.6	16.7	151.5	152.0
	396	23.0	22.9	1.0	0.0	25.3	16.5	148.3	148.7
	397	22.7	22.6	1.0	0.0	25.0	16.3	145.0	145.4
	398	22.4	22.3	1.0	0.0	24.7	16.1	141.9	142.2
	399	22.1	22.0	1.0	0.0	24.3	15.9	138.7	139.0
Segment D Edge ROW	400	21.8	21.7	1.0	0.0	24.0	15.7	135.7	135.9
	401	21.5	21.4	0.9	0.0	23.7	15.5	132.7	132.9
	402	21.3	21.2	0.9	0.0	23.4	15.3	129.8	130.0
	403	21.0	20.9	0.9	0.0	23.1	15.1	126.9	127.1
	404	20.7	20.6	0.9	0.0	22.8	15.0	124.1	124.2
	405	20.5	20.4	0.9	0.0	22.6	14.8	121.4	121.5
	406	20.2	20.1	0.9	0.0	22.3	14.6	118.7	118.8
	407	20.0	19.9	0.9	0.0	22.0	14.4	116.1	116.2
	408	19.7	19.6	0.9	0.0	21.7	14.3	113.5	113.6
	409	19.5	19.4	0.9	0.0	21.5	14.1	111.0	111.1
	410	19.2	19.1	0.8	0.0	21.2	13.9	108.6	108.6
	411	19.0	18.9	0.8	0.0	21.0	13.8	106.3	106.3
	412	18.8	18.7	0.8	0.0	20.7	13.6	104.0	103.9
	413	18.5	18.4	0.8	0.0	20.5	13.5	101.7	101.7
	414	18.3	18.2	0.8	0.0	20.2	13.3	99.5	99.5
	415	18.1	18.0	0.8	0.0	20.0	13.2	97.4	97.4
	416	17.9	17.8	0.8	0.0	19.8	13.0	95.3	95.3
	417	17.7	17.6	0.8	0.0	19.5	12.9	93.3	93.2
	418	17.5	17.4	0.8	0.0	19.3	12.7	91.3	91.3
	419	17.3	17.2	0.8	0.0	19.1	12.6	89.4	89.3
	420	17.1	17.0	0.8	0.0	18.9	12.5	87.5	87.5
	421	16.9	16.8	0.7	0.0	18.6	12.3	85.7	85.6
	422	16.7	16.6	0.7	0.0	18.4	12.2	84.0	83.9
	423	16.5	16.4	0.7	0.0	18.2	12.1	82.2	82.1
	424	16.3	16.2	0.7	0.0	18.0	11.9	80.6	80.5
	425	16.1	16.0	0.7	0.0	17.8	11.8	78.9	78.8
	426	15.9	15.8	0.7	0.0	17.6	11.7	77.3	77.2
	427	15.7	15.6	0.7	0.0	17.4	11.6	75.8	75.7
	428	15.6	15.5	0.7	0.0	17.2	11.4	74.3	74.2
	429	15.4	15.3	0.7	0.0	17.1	11.3	72.8	72.7
	430	15.2	15.1	0.7	0.0	16.9	11.2	71.4	71.3
	431	15.1	15.0	0.7	0.0	16.7	11.1	70.0	69.9

Summary of calculated values for proposed SX-PQ 230 kV Project

All values in milligauss (mG)
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Right-of way (ROW) Edges	Point	Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
		30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
432	14.9	14.8	0.7	0.0	16.5	11.0	68.6	68.5	
433	14.7	14.6	0.6	0.0	16.3	10.9	67.3	67.2	
434	14.6	14.5	0.6	0.0	16.2	10.7	66.0	65.9	
435	14.4	14.3	0.6	0.0	16.0	10.6	64.8	64.6	
436	14.3	14.2	0.6	0.0	15.8	10.5	63.5	63.4	
437	14.1	14.0	0.6	0.0	15.6	10.4	62.3	62.2	
438	14.0	13.9	0.6	0.0	15.5	10.3	61.2	61.1	
439	13.8	13.7	0.6	0.0	15.3	10.2	60.1	59.9	
440	13.7	13.6	0.6	0.0	15.2	10.1	59.0	58.8	
441	13.5	13.4	0.6	0.0	15.0	10.0	57.9	57.7	
442	13.4	13.3	0.6	0.0	14.9	9.9	56.8	56.7	
443	13.3	13.2	0.6	0.0	14.7	9.8	55.8	55.7	
444	13.1	13.0	0.6	0.0	14.6	9.7	54.8	54.7	
445	13.0	12.9	0.6	0.0	14.4	9.6	53.8	53.7	
446	12.9	12.8	0.6	0.0	14.3	9.5	52.9	52.8	
447	12.7	12.6	0.6	0.0	14.1	9.4	52.0	51.8	
448	12.6	12.5	0.6	0.0	14.0	9.4	51.1	50.9	
449	12.5	12.4	0.5	0.0	13.8	9.3	50.2	50.1	
450	12.4	12.3	0.5	0.0	13.7	9.2	49.3	49.2	
451	12.2	12.1	0.5	0.0	13.6	9.1	48.5	48.4	
452	12.1	12.0	0.5	0.0	13.4	9.0	47.7	47.5	
453	12.0	11.9	0.5	0.0	13.3	8.9	46.9	46.7	
454	11.9	11.8	0.5	0.0	13.2	8.8	46.1	46.0	
455	11.8	11.7	0.5	0.0	13.1	8.8	45.3	45.2	
456	11.6	11.6	0.5	0.0	12.9	8.7	44.6	44.5	
457	11.5	11.5	0.5	0.0	12.8	8.6	43.8	43.7	
458	11.4	11.3	0.5	0.0	12.7	8.5	43.1	43.0	
459	11.3	11.2	0.5	0.0	12.6	8.4	42.4	42.3	
460	11.2	11.1	0.5	0.0	12.4	8.4	41.8	41.6	
461	11.1	11.0	0.5	0.0	12.3	8.3	41.1	41.0	
462	11.0	10.9	0.5	0.0	12.2	8.2	40.4	40.3	
463	10.9	10.8	0.5	0.0	12.1	8.1	39.8	39.7	
464	10.8	10.7	0.5	0.0	12.0	8.1	39.2	39.1	
465	10.7	10.6	0.5	0.0	11.9	8.0	38.6	38.5	
466	10.6	10.5	0.5	0.0	11.8	7.9	38.0	37.9	
467	10.5	10.4	0.5	0.0	11.7	7.9	37.4	37.3	
468	10.4	10.3	0.5	0.0	11.6	7.8	36.8	36.7	
469	10.3	10.2	0.5	0.0	11.5	7.7	36.3	36.2	
470	10.2	10.1	0.5	0.0	11.3	7.7	35.8	35.6	
471	10.1	10.1	0.4	0.0	11.2	7.6	35.2	35.1	
472	10.0	10.0	0.4	0.0	11.1	7.5	34.7	34.6	
473	9.9	9.9	0.4	0.0	11.0	7.5	34.2	34.1	
474	9.9	9.8	0.4	0.0	10.9	7.4	33.7	33.6	
475	9.8	9.7	0.4	0.0	10.9	7.3	33.2	33.1	
476	9.7	9.6	0.4	0.0	10.8	7.3	32.7	32.6	
477	9.6	9.5	0.4	0.0	10.7	7.2	32.3	32.2	
478	9.5	9.4	0.4	0.0	10.6	7.1	31.8	31.7	
479	9.4	9.4	0.4	0.0	10.5	7.1	31.4	31.3	

Summary of calculated values for proposed SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Right-of way (ROW) Edges	Point	Segment A 200' easement		Segment B 120' easement (varies)		Segment C 100' easement		Segment D 300' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Design	Initial Design
		30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C	30 ft HAG	41 ft HAG
	480	9.4	9.3	0.4	0.0	10.4	7.0	30.9	30.8
	481	9.3	9.2	0.4	0.0	10.3	7.0	30.5	30.4
	482	9.2	9.1	0.4	0.0	10.2	6.9	30.1	30.0
	483	9.1	9.1	0.4	0.0	10.1	6.9	29.6	29.6
	484	9.0	9.0	0.4	0.0	10.0	6.8	29.2	29.2
	485	9.0	8.9	0.4	0.0	10.0	6.7	28.8	28.8
	486	8.9	8.8	0.4	0.0	9.9	6.7	28.5	28.4
	487	8.8	8.7	0.4	0.0	9.8	6.6	28.1	28.0
	488	8.7	8.7	0.4	0.0	9.7	6.6	27.7	27.6
	489	8.7	8.6	0.4	0.0	9.6	6.5	27.3	27.2
	490	8.6	8.5	0.4	0.0	9.5	6.5	27.0	26.9
	491	8.5	8.5	0.4	0.0	9.5	6.4	26.6	26.5
	492	8.5	8.4	0.4	0.0	9.4	6.4	26.3	26.2
	493	8.4	8.3	0.4	0.0	9.3	6.3	25.9	25.9
	494	8.3	8.3	0.4	0.0	9.2	6.3	25.6	25.5
	495	8.2	8.2	0.4	0.0	9.2	6.2	25.3	25.2
	496	8.2	8.1	0.4	0.0	9.1	6.2	24.9	24.9
	497	8.1	8.1	0.4	0.0	9.0	6.1	24.6	24.6
	498	8.0	8.0	0.4	0.0	8.9	6.1	24.3	24.2
	499	8.0	7.9	0.4	0.0	8.9	6.0	24.0	23.9
	500	7.9	7.9	0.4	0.0	8.8	6.0	23.7	23.6

Summary of calculated values for proposed Alternative 1, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternative 1 is divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)						Segment C	
		200' easement				ROW width varies		ROW width varies				300' easement	
		Standard Design	Initial Design			If duct package placed on N or W side of street		If duct package placed on S or E side of street				Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	30 ft HAG	41 ft HAG	
	0	8.9	8.7	0	0.4	0.0		0.4	0.0		4.8	4.8	
	1	9.0	8.7	1	0.4	0.0		0.4	0.0		4.9	4.8	
	2	9.1	8.8	2	0.4	0.0		0.4	0.0		4.9	4.9	
	3	9.1	8.9	3	0.4	0.0		0.4	0.0		4.9	4.9	
	4	9.2	9.0	4	0.4	0.0		0.4	0.0		5.0	4.9	
	5	9.3	9.0	5	0.4	0.0		0.4	0.0		5.0	5.0	
	6	9.4	9.1	6	0.4	0.0		0.4	0.0		5.0	5.0	
	7	9.5	9.2	7	0.4	0.0		0.4	0.0		5.0	5.0	
	8	9.5	9.3	8	0.4	0.0		0.4	0.0		5.1	5.0	
	9	9.6	9.3	9	0.4	0.0		0.4	0.0		5.1	5.1	
	10	9.7	9.4	10	0.4	0.0		0.4	0.0		5.1	5.1	
	11	9.8	9.5	11	0.4	0.0		0.4	0.0		5.2	5.1	
	12	9.9	9.6	12	0.4	0.0		0.4	0.0		5.2	5.2	
	13	10.0	9.7	13	0.4	0.0		0.4	0.0		5.2	5.2	
	14	10.0	9.7	14	0.4	0.0		0.4	0.0		5.3	5.2	
	15	10.1	9.8	15	0.4	0.0		0.4	0.0		5.3	5.3	
	16	10.2	9.9	16	0.4	0.0		0.4	0.0		5.3	5.3	
	17	10.3	10.0	17	0.4	0.0		0.4	0.0		5.4	5.3	
	18	10.4	10.1	18	0.4	0.0		0.4	0.0		5.4	5.3	
	19	10.5	10.2	19	0.4	0.0		0.4	0.0		5.4	5.4	
	20	10.6	10.3	20	0.4	0.0		0.4	0.0		5.5	5.4	
	21	10.7	10.4	21	0.4	0.0		0.4	0.0		5.5	5.4	
	22	10.8	10.4	22	0.4	0.0		0.4	0.0		5.5	5.5	
	23	10.9	10.5	23	0.4	0.0		0.4	0.0		5.6	5.5	
	24	11.0	10.6	24	0.4	0.0		0.4	0.0		5.6	5.5	
	25	11.1	10.7	25	0.4	0.0		0.4	0.0		5.6	5.6	
	26	11.2	10.8	26	0.4	0.0		0.4	0.0		5.7	5.6	
	27	11.3	10.9	27	0.4	0.0		0.4	0.0		5.7	5.7	
	28	11.4	11.0	28	0.4	0.0		0.4	0.0		5.7	5.7	
	29	11.5	11.1	29	0.4	0.0		0.4	0.0		5.8	5.7	
	30	11.6	11.2	30	0.5	0.0		0.5	0.0		5.8	5.8	
	31	11.7	11.3	31	0.5	0.0		0.5	0.0		5.8	5.8	
	32	11.9	11.4	32	0.5	0.0		0.5	0.0		5.9	5.8	
	33	12.0	11.5	33	0.5	0.0		0.5	0.0		5.9	5.9	
	34	12.1	11.6	34	0.5	0.0		0.5	0.0		6.0	5.9	
	35	12.2	11.7	35	0.5	0.0		0.5	0.0		6.0	5.9	
	36	12.3	11.9	36	0.5	0.0		0.5	0.0		6.0	6.0	
	37	12.4	12.0	37	0.5	0.0		0.5	0.0		6.1	6.0	
	38	12.6	12.1	38	0.5	0.0		0.5	0.0		6.1	6.1	
	39	12.7	12.2	39	0.5	0.0		0.5	0.0		6.1	6.1	
	40	12.8	12.3	40	0.5	0.0		0.5	0.0		6.2	6.1	
	41	12.9	12.4	41	0.5	0.0		0.5	0.0		6.2	6.2	
	42	13.1	12.6	42	0.5	0.0		0.5	0.0		6.3	6.2	
	43	13.2	12.7	43	0.5	0.0		0.5	0.0		6.3	6.3	
	44	13.3	12.8	44	0.5	0.0		0.5	0.0		6.4	6.3	
	45	13.5	12.9	45	0.5	0.0		0.5	0.0		6.4	6.3	
	46	13.6	13.1	46	0.5	0.0		0.5	0.0		6.4	6.4	
	47	13.8	13.2	47	0.5	0.0		0.5	0.0		6.5	6.4	

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- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)				Point	Segment C		
		200' easement			ROW width varies		ROW width varies			300' easement		
		Standard Design	Initial Design		If duct package placed on N or W side of street		If duct package placed on S or E side of street			Standard Design	Initial Design	
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	Modified Phasing	Position Notes	A-B-C/A-B-C	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	48	13.9	13.3	48	0.5	0.0		0.5	0.0		6.5	6.5
	49	14.1	13.4	49	0.5	0.0		0.5	0.0		6.6	6.5
	50	14.2	13.6	50	0.5	0.0		0.5	0.0		6.6	6.6
	51	14.3	13.7	51	0.5	0.0		0.5	0.0		6.7	6.6
	52	14.5	13.9	52	0.6	0.0		0.6	0.0		6.7	6.6
	53	14.7	14.0	53	0.6	0.0		0.6	0.0		6.8	6.7
	54	14.8	14.1	54	0.6	0.0		0.6	0.0		6.8	6.7
	55	15.0	14.3	55	0.6	0.0		0.6	0.0		6.8	6.8
	56	15.1	14.4	56	0.6	0.0		0.6	0.0		6.9	6.8
	57	15.3	14.6	57	0.6	0.0		0.6	0.0		6.9	6.9
	58	15.5	14.7	58	0.6	0.0		0.6	0.0		7.0	6.9
	59	15.6	14.9	59	0.6	0.0		0.6	0.0		7.0	7.0
	60	15.8	15.0	60	0.6	0.0		0.6	0.0		7.1	7.0
	61	16.0	15.2	61	0.6	0.0		0.6	0.0		7.1	7.1
	62	16.2	15.4	62	0.6	0.0		0.6	0.0		7.2	7.1
	63	16.3	15.5	63	0.6	0.0		0.6	0.0		7.2	7.2
	64	16.5	15.7	64	0.6	0.0		0.6	0.0		7.3	7.2
	65	16.7	15.9	65	0.6	0.0		0.6	0.0		7.3	7.3
	66	16.9	16.0	66	0.6	0.0		0.6	0.0		7.4	7.3
	67	17.1	16.2	67	0.6	0.0		0.6	0.0		7.4	7.4
	68	17.3	16.4	68	0.7	0.0		0.7	0.0		7.5	7.4
	69	17.5	16.6	69	0.7	0.0		0.7	0.0		7.6	7.5
	70	17.7	16.7	70	0.7	0.0		0.7	0.0		7.6	7.5
	71	17.9	16.9	71	0.7	0.0		0.7	0.0		7.7	7.6
	72	18.1	17.1	72	0.7	0.0		0.7	0.0		7.7	7.6
	73	18.3	17.3	73	0.7	0.0		0.7	0.0		7.8	7.7
	74	18.6	17.5	74	0.7	0.0		0.7	0.0		7.8	7.7
	75	18.8	17.7	75	0.7	0.0		0.7	0.0		7.9	7.8
	76	19.0	17.9	76	0.7	0.0		0.7	0.0		8.0	7.9
	77	19.2	18.1	77	0.7	0.0		0.7	0.0		8.0	7.9
	78	19.5	18.3	78	0.7	0.0		0.7	0.0		8.1	8.0
	79	19.7	18.5	79	0.7	0.0		0.7	0.0		8.1	8.0
	80	20.0	18.7	80	0.8	0.0		0.8	0.0		8.2	8.1
	81	20.2	18.9	81	0.8	0.0		0.8	0.0		8.3	8.2
	82	20.5	19.2	82	0.8	0.0		0.8	0.0		8.3	8.2
	83	20.7	19.4	83	0.8	0.0		0.8	0.0		8.4	8.3
	84	21.0	19.6	84	0.8	0.0		0.8	0.0		8.4	8.3
	85	21.2	19.8	85	0.8	0.0		0.8	0.0		8.5	8.4
	86	21.5	20.1	86	0.8	0.0		0.8	0.0		8.6	8.5
	87	21.8	20.3	87	0.8	0.0		0.8	0.0		8.6	8.5
	88	22.1	20.6	88	0.8	0.0		0.8	0.0		8.7	8.6
	89	22.4	20.8	89	0.8	0.0		0.8	0.0		8.8	8.7
	90	22.7	21.1	90	0.8	0.0		0.8	0.0		8.8	8.7
	91	23.0	21.3	91	0.9	0.0		0.9	0.0		8.9	8.8
	92	23.3	21.6	92	0.9	0.0		0.9	0.0		9.0	8.9
	93	23.6	21.8	93	0.9	0.0		0.9	0.0		9.1	8.9
	94	23.9	22.1	94	0.9	0.0		0.9	0.0		9.1	9.0
	95	24.2	22.4	95	0.9	0.0		0.9	0.0		9.2	9.1

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- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)						Point	Segment C	
		200' easement			ROW width varies		ROW width varies		300' easement				
		Standard Design	Initial Design		If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design			
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	Modified Phasing	Position Notes	A-B-C/A-B-C	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG	
	96	24.5	22.7	96	0.9	0.0		0.9	0.0		9.3	9.1	
	97	24.9	22.9	97	0.9	0.0		0.9	0.0		9.3	9.2	
	98	25.2	23.2	98	0.9	0.0		0.9	0.0		9.4	9.3	
	99	25.6	23.5	99	0.9	0.0		0.9	0.0		9.5	9.4	
	100	25.9	23.8	100	1.0	0.0		1.0	0.0		9.6	9.4	
	101	26.3	24.1	101	1.0	0.0		1.0	0.0		9.7	9.5	
	102	26.7	24.4	102	1.0	0.0		1.0	0.0		9.7	9.6	
	103	27.1	24.8	103	1.0	0.0		1.0	0.0		9.8	9.7	
	104	27.4	25.1	104	1.0	0.0		1.0	0.0		9.9	9.7	
	105	27.8	25.4	105	1.0	0.0		1.0	0.0		10.0	9.8	
	106	28.2	25.7	106	1.0	0.0		1.0	0.0		10.1	9.9	
	107	28.7	26.1	107	1.1	0.0		1.1	0.0		10.1	10.0	
	108	29.1	26.4	108	1.1	0.0		1.1	0.0		10.2	10.1	
	109	29.5	26.8	109	1.1	0.0		1.1	0.0		10.3	10.1	
	110	29.9	27.1	110	1.1	0.0		1.1	0.0		10.4	10.2	
	111	30.4	27.5	111	1.1	0.0		1.1	0.0		10.5	10.3	
	112	30.9	27.9	112	1.1	0.0		1.1	0.0		10.6	10.4	
	113	31.3	28.3	113	1.2	0.0		1.2	0.0		10.7	10.5	
	114	31.8	28.7	114	1.2	0.0		1.2	0.0		10.8	10.6	
	115	32.3	29.0	115	1.2	0.0		1.2	0.0		10.9	10.7	
	116	32.8	29.4	116	1.2	0.0		1.2	0.0		11.0	10.8	
	117	33.3	29.9	117	1.2	0.0		1.2	0.0		11.1	10.8	
	118	33.8	30.3	118	1.2	0.0		1.2	0.0		11.2	10.9	
	119	34.4	30.7	119	1.3	0.0		1.3	0.0		11.3	11.0	
	120	34.9	31.1	120	1.3	0.0		1.3	0.0		11.4	11.1	
	121	35.5	31.6	121	1.3	0.0		1.3	0.0		11.5	11.2	
	122	36.0	32.0	122	1.3	0.0		1.3	0.0		11.6	11.3	
	123	36.6	32.5	123	1.3	0.0		1.3	0.0		11.7	11.4	
	124	37.2	32.9	124	1.4	0.0		1.4	0.0		11.8	11.5	
	125	37.9	33.4	125	1.4	0.0		1.4	0.0		11.9	11.6	
	126	38.5	33.9	126	1.4	0.0		1.4	0.0		12.0	11.7	
	127	39.1	34.4	127	1.4	0.0		1.4	0.0		12.1	11.8	
	128	39.8	34.9	128	1.4	0.0		1.4	0.0		12.2	11.9	
	129	40.5	35.4	129	1.5	0.0		1.5	0.0		12.3	12.0	
	130	41.2	35.9	130	1.5	0.0		1.5	0.0		12.4	12.2	
	131	41.9	36.5	131	1.5	0.0		1.5	0.0		12.5	12.3	
	132	42.6	37.0	132	1.5	0.0		1.5	0.0		12.7	12.4	
	133	43.3	37.6	133	1.6	0.0		1.6	0.0		12.8	12.5	
	134	44.1	38.1	134	1.6	0.0		1.6	0.0		12.9	12.6	
	135	44.9	38.7	135	1.6	0.0		1.6	0.0		13.0	12.7	
	136	45.7	39.3	136	1.7	0.0		1.7	0.0		13.1	12.8	
	137	46.5	39.9	137	1.7	0.0		1.7	0.0		13.3	13.0	
	138	47.4	40.5	138	1.7	0.0		1.7	0.0		13.4	13.1	
	139	48.2	41.2	139	1.7	0.0		1.7	0.0		13.5	13.2	
	140	49.1	41.8	140	1.8	0.0		1.8	0.0		13.7	13.3	
	141	50.0	42.4	141	1.8	0.0		1.8	0.0		13.8	13.4	
	142	51.0	43.1	142	1.8	0.0		1.8	0.0		13.9	13.6	
	143	51.9	43.8	143	1.9	0.0		1.9	0.0		14.1	13.7	

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		Segment A		Segment B (assumes duct package centered 20' from nearer edge ROW)						Segment C	
		200' easement		ROW width varies						300' easement	
		Standard Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Standard Phasing	Modified Phasing	Position Notes	Standard Phasing	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	144	52.9	44.5	1.9	0.0		1.9	0.0		14.2	13.8
	145	53.9	45.2	2.0	0.0		2.0	0.0		14.4	14.0
	146	54.9	45.9	2.0	0.0		2.0	0.0		14.5	14.1
	147	56.0	46.6	2.0	0.0		2.0	0.0		14.6	14.2
	148	57.1	47.4	2.1	0.0		2.1	0.0		14.8	14.4
	149	58.2	48.1	2.1	0.0		2.1	0.0		14.9	14.5
Segments A Edge ROW	150	59.4	48.9	2.2	0.0	Far edge of street ROW, 120' Street	2.2	0.0		15.1	14.7
	151	60.6	49.7	2.2	0.0		2.2	0.0		15.2	14.8
	152	61.8	50.5	2.2	0.0		2.2	0.0		15.4	15.0
	153	63.0	51.3	2.3	0.0		2.3	0.0		15.6	15.1
	154	64.3	52.1	2.3	0.0		2.3	0.0		15.7	15.3
	155	65.7	53.0	2.4	0.1		2.4	0.1		15.9	15.4
	156	67.0	53.9	2.4	0.1		2.4	0.1		16.1	15.6
	157	68.4	54.7	2.5	0.1		2.5	0.1		16.2	15.7
	158	69.8	55.6	2.5	0.1		2.5	0.1		16.4	15.9
	159	71.3	56.5	2.6	0.1		2.6	0.1		16.6	16.0
	160	72.8	57.5	2.6	0.1		2.6	0.1		16.8	16.2
	161	74.4	58.4	2.7	0.1		2.7	0.1		16.9	16.4
	162	76.0	59.4	2.8	0.1		2.8	0.1		17.1	16.5
	163	77.7	60.4	2.8	0.1		2.8	0.1		17.3	16.7
	164	79.4	61.4	2.9	0.1		2.9	0.1		17.5	16.9
	165	81.1	62.4	3.0	0.1		3.0	0.1		17.7	17.1
	166	82.9	63.4	3.0	0.1		3.0	0.1		17.9	17.2
	167	84.8	64.5	3.1	0.1		3.1	0.1		18.1	17.4
	168	86.7	65.5	3.2	0.1		3.2	0.1		18.3	17.6
	169	88.6	66.6	3.3	0.1		3.3	0.1		18.5	17.8
	170	90.7	67.7	3.3	0.1	Far edge of street ROW, 100' Street	3.3	0.1		18.7	18.0
	171	92.7	68.8	3.4	0.1		3.4	0.1		18.9	18.2
	172	94.9	69.9	3.5	0.1		3.5	0.1		19.1	18.4
	173	97.1	71.1	3.6	0.1		3.6	0.1		19.4	18.6
	174	99.3	72.3	3.7	0.1		3.7	0.1		19.6	18.8
	175	101.7	73.4	3.8	0.1		3.8	0.1		19.8	19.0
	176	104.1	74.6	3.9	0.1		3.9	0.1		20.1	19.2
	177	106.5	75.8	4.0	0.1		4.0	0.1		20.3	19.4
	178	109.1	77.0	4.1	0.1		4.1	0.1		20.5	19.6
	179	111.7	78.2	4.2	0.1		4.2	0.1		20.8	19.8
	180	114.4	79.5	4.4	0.1		4.4	0.1		21.0	20.1
	181	117.1	80.7	4.5	0.1		4.5	0.1		21.3	20.3
	182	119.9	82.0	4.6	0.1		4.6	0.1		21.5	20.5
	183	122.8	83.2	4.7	0.1		4.7	0.1		21.8	20.8
	184	125.8	84.5	4.9	0.1		4.9	0.1		22.1	21.0
	185	128.9	85.8	5.0	0.1		5.0	0.1		22.3	21.2
	186	132.0	87.0	5.2	0.2		5.2	0.2		22.6	21.5
	187	135.2	88.3	5.4	0.2		5.4	0.2		22.9	21.7
	188	138.5	89.6	5.5	0.2		5.5	0.2		23.2	22.0
	189	141.9	90.8	5.7	0.2		5.7	0.2		23.5	22.2
	190	145.3	92.1	5.9	0.2	Far edge of street ROW, 80' Street	5.9	0.2		23.8	22.5
	191	148.9	93.3	6.1	0.2		6.1	0.2		24.1	22.8

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		Segment A		Segment B (assumes duct package centered 20' from nearer edge ROW)						Segment C	
		200' easement		ROW width varies			ROW width varies			300' easement	
		Standard Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			Standard Design	Initial Design
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Standard Phasing	Modified Phasing	Position Notes	Standard Phasing	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	192	152.5	94.5				6.3	0.2		24.4	23.0
	193	156.1	95.8				6.5	0.2		24.7	23.3
	194	159.8	96.9				6.8	0.2		25.0	23.6
	195	163.6	98.1				7.0	0.2		25.4	23.9
	196	167.5	99.3				7.2	0.2		25.7	24.2
	197	171.4	100.4				7.5	0.3		26.0	24.5
	198	175.3	101.5				7.8	0.3		26.4	24.8
	199	179.2	102.5				8.1	0.3		26.7	25.1
	200	183.2	103.5				8.4	0.3		27.1	25.4
	201	187.1	104.5				8.8	0.3		27.5	25.7
	202	191.1	105.4				9.1	0.3		27.9	26.0
	203	195.0	106.2				9.5	0.4		28.2	26.3
	204	198.9	107.0				9.9	0.4		28.6	26.6
	205	202.7	107.7				10.3	0.4		29.0	27.0
	206	206.4	108.4				10.8	0.4		29.4	27.3
	207	210.0	108.9				11.3	0.5		29.9	27.7
	208	213.4	109.4				11.8	0.5		30.3	28.0
	209	216.7	109.8				12.4	0.5		30.7	28.4
	210	219.8	110.2				13.0	0.6		31.2	28.7
	211	222.6	110.4			Far edge of street ROW, 60' Street	13.6	0.6		31.6	29.1
	212	225.2	110.5				14.3	0.7		32.1	29.5
	213	227.5	110.5				15.1	0.7		32.5	29.9
	214	229.4	110.4				15.9	0.8		33.0	30.2
	215	231.0	110.3				16.7	0.9		33.5	30.6
	216	232.2	110.0				17.7	0.9		34.0	31.0
	217	233.1	109.5				18.7	1.0		34.5	31.4
	218	233.4	109.0				19.8	1.1		35.0	31.9
	219	233.4	108.4				21.1	1.2		35.6	32.3
	220	232.8	107.6				22.4	1.3		36.1	32.7
	221	231.8	106.7				23.8	1.5		36.7	33.1
	222	230.4	105.7				25.4	1.6		37.2	33.6
	223	228.4	104.6				27.2	1.8		37.8	34.0
	224	226.0	103.4				29.1	2.0		38.4	34.5
	225	223.2	102.1				31.3	2.2		39.0	34.9
	226	219.9	100.6				33.7	2.4		39.6	35.4
	227	216.3	99.1				36.3	2.7		40.3	35.9
	228	212.2	97.4				39.3	3.1		40.9	36.4
	229	207.8	95.7				42.7	3.5		41.6	36.9
	230	203.0	93.9			Far edge of street ROW, 40' Street	46.4	3.9	Near edge of street ROW, all widths	42.2	37.3
	231	198.0	91.9				50.7	4.5		42.9	37.9
	232	192.7	89.9				55.5	5.1		43.6	38.4
	233	187.1	87.9				60.9	5.9		44.3	38.9
	234	181.4	85.7				67.2	6.8		45.1	39.4
	235	175.5	83.5				74.3	8.0		45.8	40.0
	236	169.5	81.2				82.5	9.3		46.6	40.5
	237	163.4	78.9				92.0	10.9		47.4	41.0
	238	157.3	76.5				102.9	13.0		48.2	41.6
	239	151.1	74.1				115.5	15.4		49.0	42.2

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		Segment A		Segment B (assumes duct package centered 20' from nearer edge ROW)						Segment C		
		200' easement		ROW width varies		ROW width varies		300' easement				
		Standard Design	Initial Design	If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design			
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Standard Phasing	Modified Phasing	Position Notes	Standard Phasing	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG	
	240	144.8	71.7	240	130.0	18.4		130.0	18.4		49.8	42.7
	241	138.6	69.2	241	146.6	22.1		146.6	22.1		50.7	43.3
	242	132.5	66.8	242	165.5	26.5		165.5	26.5		51.5	43.9
	243	126.4	64.3	243	186.7	31.8		186.7	31.8		52.4	44.5
	244	120.4	61.8	244	209.9	38.0		209.9	38.0		53.3	45.1
	245	114.4	59.3	245	234.4	45.1		234.4	45.1		54.2	45.7
	246	108.6	56.9	246	259.0	52.6		259.0	52.6		55.2	46.3
	247	102.9	54.5	247	281.7	60.0		281.7	60.0		56.1	46.9
	248	97.3	52.1	248	300.5	66.4		300.5	66.4		57.1	47.6
	249	91.8	49.7	249	312.9	70.9		312.9	70.9		58.1	48.2
Centerline of calculations	250	86.5	47.4	250	317.2	72.4	Center of the Underground line	317.2	72.4	Centerline of the Underground line	59.1	48.8
	251	81.3	45.2	251	312.9	70.9		312.9	70.9		60.1	49.5
	252	76.3	43.1	252	300.5	66.4		300.5	66.4		61.2	50.1
	253	71.4	41.1	253	281.7	60.0		281.7	60.0		62.3	50.8
	254	66.6	39.3	254	259.0	52.6		259.0	52.6		63.3	51.4
	255	62.0	37.6	255	234.4	45.1		234.4	45.1		64.4	52.1
	256	57.6	36.1	256	209.9	38.0		209.9	38.0		65.6	52.8
	257	53.3	34.8	257	186.7	31.8		186.7	31.8		66.7	53.4
	258	49.2	33.7	258	165.5	26.5		165.5	26.5		67.8	54.1
	259	45.3	32.9	259	146.6	22.1		146.6	22.1		69.0	54.8
	260	41.5	32.4	260	130.0	18.4		130.0	18.4		70.2	55.4
	261	38.0	32.1	261	115.5	15.4		115.5	15.4		71.4	56.1
	262	34.8	32.2	262	102.9	13.0		102.9	13.0		72.6	56.8
	263	31.9	32.6	263	92.0	10.9		92.0	10.9		73.8	57.4
	264	29.3	33.3	264	82.5	9.3		82.5	9.3		75.0	58.1
	265	27.2	34.3	265	74.3	8.0		74.3	8.0		76.2	58.8
	266	25.6	35.5	266	67.2	6.8		67.2	6.8		77.4	59.5
	267	24.6	36.9	267	60.9	5.9		60.9	5.9		78.6	60.1
	268	24.2	38.5	268	55.5	5.1		55.5	5.1		79.8	60.8
	269	24.4	40.3	269	50.7	4.5		50.7	4.5		81.0	61.5
	270	25.2	42.2	270	46.4	3.9	Near edge of street ROW, all widths	46.4	3.9	Far edge of street ROW, 40' Street	82.2	62.1
	271	26.5	44.2	271	42.7	3.5		42.7	3.5		83.4	62.8
	272	28.2	46.3	272	39.3	3.1		39.3	3.1		84.5	63.4
	273	30.2	48.5	273	36.3	2.7		36.3	2.7		85.6	64.1
	274	32.4	50.6	274	33.7	2.4		33.7	2.4		86.7	64.7
	275	34.8	52.8	275	31.3	2.2		31.3	2.2		87.8	65.3
	276	37.2	55.0	276	29.1	2.0		29.1	2.0		88.8	66.0
	277	39.7	57.1	277	27.2	1.8		27.2	1.8		89.8	66.6
	278	42.2	59.2	278	25.4	1.6		25.4	1.6		90.7	67.2
	279	44.7	61.3	279	23.8	1.5		23.8	1.5		91.5	67.8
	280	47.1	63.3	280	22.4	1.3		22.4	1.3		92.3	68.5
	281	49.5	65.2	281	21.1	1.2		21.1	1.2		93.0	69.1
	282	51.8	67.0	282	19.8	1.1		19.8	1.1		93.6	69.7
	283	53.9	68.7	283	18.7	1.0		18.7	1.0		94.1	70.3
	284	56.0	70.3	284	17.7	0.9		17.7	0.9		94.6	71.0
	285	58.0	71.8	285	16.7	0.9		16.7	0.9		94.9	71.6
	286	59.8	73.2	286	15.9	0.8		15.9	0.8		95.2	72.2
	287	61.6	74.4	287	15.1	0.7		15.1	0.7		95.3	72.9

Summary of calculated values for proposed Alternative 1, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternative 1 is divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)				Segment C		
		200' easement				ROW width varies		ROW width varies		300' easement		
		Standard Design	Initial Design			If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design	
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	Modified Phasing	Position Notes	Standard Phasing	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	288	63.2	75.6	288	14.3	0.7		14.3	0.7		95.4	73.6
	289	64.7	76.7	289	13.6	0.6		13.6	0.6		95.3	74.3
	290	66.1	77.6	290	13.0	0.6		13.0	0.6	Far edge of street ROW, 60' Street	95.2	75.0
	291	67.4	78.5	291	12.4	0.5		12.4	0.5		95.0	75.7
	292	68.6	79.3	292	11.8	0.5		11.8	0.5		94.7	76.5
	293	69.7	80.0	293	11.3	0.5		11.3	0.5		94.3	77.3
	294	70.7	80.6	294	10.8	0.4		10.8	0.4		93.9	78.2
	295	71.6	81.2	295	10.3	0.4		10.3	0.4		93.4	79.1
	296	72.5	81.7	296	9.9	0.4		9.9	0.4		92.9	80.1
	297	73.2	82.1	297	9.5	0.4		9.5	0.4		92.4	81.1
	298	74.0	82.5	298	9.1	0.3		9.1	0.3		91.9	82.2
	299	74.6	82.8	299	8.8	0.3		8.8	0.3		91.5	83.3
	300	75.2	83.1	300	8.4	0.3		8.4	0.3		91.0	84.6
	301	75.7	83.3	301	8.1	0.3		8.1	0.3		90.7	85.9
	302	76.2	83.5	302	7.8	0.3		7.8	0.3		90.4	87.3
	303	76.6	83.7	303	7.5	0.3		7.5	0.3		90.2	88.8
	304	77.0	83.7	304	7.2	0.2		7.2	0.2		90.2	90.4
	305	77.3	83.7	305	7.0	0.2		7.0	0.2		90.3	92.1
	306	77.5	83.7	306	6.8	0.2		6.8	0.2		90.5	93.9
	307	77.6	83.6	307	6.5	0.2		6.5	0.2		91.0	95.8
	308	77.7	83.4	308	6.3	0.2		6.3	0.2		91.6	97.8
	309	77.7	83.2	309	6.1	0.2		6.1	0.2		92.4	100.0
	310	77.6	82.9	310	5.9	0.2		5.9	0.2	Far edge of street ROW, 80' Street	93.4	102.3
	311	77.5	82.5	311	5.7	0.2		5.7	0.2		94.7	104.7
	312	77.2	82.0	312	5.5	0.2		5.5	0.2		96.2	107.2
	313	76.9	81.5	313	5.4	0.2		5.4	0.2		97.9	109.9
	314	76.6	80.9	314	5.2	0.2		5.2	0.2		99.9	112.7
	315	76.1	80.3	315	5.0	0.1		5.0	0.1		102.2	115.6
	316	75.6	79.6	316	4.9	0.1		4.9	0.1		104.6	118.7
	317	75.0	78.8	317	4.7	0.1		4.7	0.1		107.3	121.9
	318	74.4	78.0	318	4.6	0.1		4.6	0.1		110.3	125.2
	319	73.7	77.1	319	4.5	0.1		4.5	0.1		113.5	128.7
	320	73.0	76.2	320	4.4	0.1		4.4	0.1		116.9	132.3
	321	72.2	75.3	321	4.2	0.1		4.2	0.1		120.5	136.1
	322	71.4	74.3	322	4.1	0.1		4.1	0.1		124.3	140.0
	323	70.6	73.3	323	4.0	0.1		4.0	0.1		128.4	144.0
	324	69.7	72.3	324	3.9	0.1		3.9	0.1		132.6	148.2
	325	68.8	71.3	325	3.8	0.1		3.8	0.1		137.0	152.5
	326	67.9	70.3	326	3.7	0.1		3.7	0.1		141.5	156.9
	327	67.0	69.2	327	3.6	0.1		3.6	0.1		146.3	161.4
	328	66.1	68.1	328	3.5	0.1		3.5	0.1		151.1	166.1
	329	65.1	67.1	329	3.4	0.1		3.4	0.1		156.2	170.9
	330	64.2	66.0	330	3.3	0.1		3.3	0.1	Far edge of street ROW, 100' Street	161.3	175.7
	331	63.2	64.9	331	3.3	0.1		3.3	0.1		166.5	180.7
	332	62.2	63.9	332	3.2	0.1		3.2	0.1		171.9	185.8
	333	61.3	62.8	333	3.1	0.1		3.1	0.1		177.3	190.9
	334	60.3	61.8	334	3.0	0.1		3.0	0.1		182.8	196.1
	335	59.4	60.7	335	3.0	0.1		3.0	0.1		188.4	201.3

Summary of calculated values for proposed Alternative 1, SX-PQ 230 kV Project

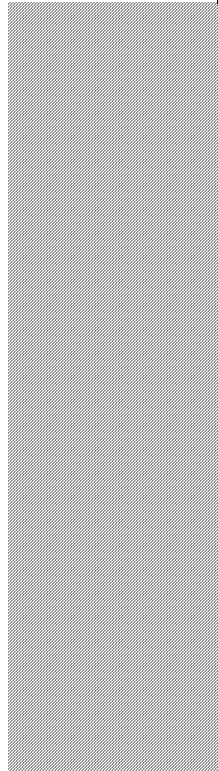
All values in milligauss (mG)
HAG = Height Above Ground

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- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)				Segment C		
		200' easement				ROW width varies		ROW width varies		300' easement		
		Standard Design	Initial Design			If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design	
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	30 ft HAG	41 ft HAG
	336	58.4	59.7	336	2.9	0.1		2.9	0.1		194.0	206.6
	337	57.5	58.7	337	2.8	0.1		2.8	0.1		199.6	211.8
	338	56.5	57.7	338	2.8	0.1		2.8	0.1		205.1	217.1
	339	55.6	56.7	339	2.7	0.1		2.7	0.1		210.7	222.3
	340	54.7	55.7	340	2.6	0.1		2.6	0.1		216.2	227.5
	341	53.8	54.7	341	2.6	0.1		2.6	0.1		221.6	232.6
	342	52.9	53.8	342	2.5	0.1		2.5	0.1		226.9	237.5
	343	52.0	52.8	343	2.5	0.1		2.5	0.1		232.0	242.3
	344	51.2	51.9	344	2.4	0.1		2.4	0.1		236.9	246.9
	345	50.3	51.0	345	2.4	0.1		2.4	0.1		241.7	251.3
	346	49.5	50.1	346	2.3	0.0		2.3	0.0		246.1	255.5
	347	48.7	49.3	347	2.3	0.0		2.3	0.0		250.3	259.4
	348	47.9	48.4	348	2.2	0.0		2.2	0.0		254.2	262.9
	349	47.1	47.6	349	2.2	0.0		2.2	0.0		257.7	266.1
	350	46.3	46.8	350	2.2	0.0		2.2	0.0	Far edge of street ROW, 120' Street	260.9	269.0
	351	45.5	46.0	351	2.1	0.0		2.1	0.0		263.6	271.4
	352	44.8	45.2	352	2.1	0.0		2.1	0.0		266.0	273.4
	353	44.0	44.4	353	2.0	0.0		2.0	0.0		267.8	275.0
	354	43.3	43.7	354	2.0	0.0		2.0	0.0		269.3	276.1
	355	42.6	42.9	355	2.0	0.0		2.0	0.0		270.2	276.8
	356	41.9	42.2	356	1.9	0.0		1.9	0.0		270.8	277.0
	357	41.2	41.5	357	1.9	0.0		1.9	0.0		270.8	276.8
	358	40.5	40.8	358	1.8	0.0		1.8	0.0		270.5	276.1
	359	39.9	40.1	359	1.8	0.0		1.8	0.0		269.7	275.1
	360	39.2	39.4	360	1.8	0.0		1.8	0.0		268.5	273.6
	361	38.6	38.8	361	1.7	0.0		1.7	0.0		267.0	271.9
	362	38.0	38.2	362	1.7	0.0		1.7	0.0		265.1	269.7
	363	37.4	37.5	363	1.7	0.0		1.7	0.0		263.0	267.3
	364	36.8	36.9	364	1.7	0.0		1.7	0.0		260.5	264.6
	365	36.2	36.3	365	1.6	0.0		1.6	0.0		257.8	261.7
	366	35.6	35.7	366	1.6	0.0		1.6	0.0		254.9	258.6
	367	35.1	35.2	367	1.6	0.0		1.6	0.0		251.9	255.3
	368	34.5	34.6	368	1.5	0.0		1.5	0.0		248.6	251.9
	369	34.0	34.1	369	1.5	0.0		1.5	0.0		245.3	248.4
	370	33.5	33.5	370	1.5	0.0		1.5	0.0		241.8	244.8
	371	33.0	33.0	371	1.5	0.0		1.5	0.0		238.3	241.1
	372	32.5	32.5	372	1.4	0.0		1.4	0.0		234.8	237.3
	373	32.0	32.0	373	1.4	0.0		1.4	0.0		231.1	233.5
	374	31.5	31.5	374	1.4	0.0		1.4	0.0		227.5	229.7
	375	31.0	31.0	375	1.4	0.0		1.4	0.0		223.8	225.9
	376	30.6	30.5	376	1.4	0.0		1.4	0.0		220.1	222.1
	377	30.1	30.1	377	1.3	0.0		1.3	0.0		216.4	218.3
	378	29.7	29.6	378	1.3	0.0		1.3	0.0		212.7	214.4
	379	29.2	29.2	379	1.3	0.0		1.3	0.0		209.0	210.6
	380	28.8	28.8	380	1.3	0.0		1.3	0.0		205.2	206.8
	381	28.4	28.3	381	1.3	0.0		1.3	0.0		201.5	203.0
	382	28.0	27.9	382	1.2	0.0		1.2	0.0		197.8	199.2
	383	27.6	27.5	383	1.2	0.0		1.2	0.0		194.1	195.4

Segment A Edge ROW



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Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)				Point	Segment C		
		200' easement			ROW width varies		ROW width varies			300' easement		
		Standard Design	Initial Design		If duct package placed on N or W side of street		If duct package placed on S or E side of street			Standard Design	Initial Design	
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	Modified Phasing	Position Notes	A-B-C/A-B-C	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	384	27.2	27.1	384	1.2	0.0		1.2	0.0		190.4	191.6
	385	26.8	26.7	385	1.2	0.0		1.2	0.0		186.8	187.8
	386	26.4	26.3	386	1.2	0.0		1.2	0.0		183.1	184.1
	387	26.0	26.0	387	1.2	0.0		1.2	0.0		179.5	180.4
	388	25.7	25.6	388	1.1	0.0		1.1	0.0		175.8	176.7
	389	25.3	25.2	389	1.1	0.0		1.1	0.0		172.3	173.0
	390	25.0	24.9	390	1.1	0.0		1.1	0.0		168.7	169.4
	391	24.6	24.5	391	1.1	0.0		1.1	0.0		165.2	165.8
	392	24.3	24.2	392	1.1	0.0		1.1	0.0		161.7	162.3
	393	24.0	23.9	393	1.1	0.0		1.1	0.0		158.3	158.8
	394	23.6	23.5	394	1.0	0.0		1.0	0.0		154.9	155.4
	395	23.3	23.2	395	1.0	0.0		1.0	0.0		151.5	152.0
	396	23.0	22.9	396	1.0	0.0		1.0	0.0		148.3	148.7
	397	22.7	22.6	397	1.0	0.0		1.0	0.0		145.0	145.4
	398	22.4	22.3	398	1.0	0.0		1.0	0.0		141.9	142.2
	399	22.1	22.0	399	1.0	0.0		1.0	0.0		138.7	139.0
	400	21.8	21.7	400	1.0	0.0	edge of right away	1.0	0.0	edge of right away	135.7	135.9
	401	21.5	21.4	401	0.9	0.0		0.9	0.0		132.7	132.9
	402	21.3	21.2	402	0.9	0.0		0.9	0.0		129.8	130.0
	403	21.0	20.9	403	0.9	0.0		0.9	0.0		126.9	127.1
	404	20.7	20.6	404	0.9	0.0		0.9	0.0		124.1	124.2
	405	20.5	20.4	405	0.9	0.0		0.9	0.0		121.4	121.5
	406	20.2	20.1	406	0.9	0.0		0.9	0.0		118.7	118.8
	407	20.0	19.9	407	0.9	0.0		0.9	0.0		116.1	116.2
	408	19.7	19.6	408	0.9	0.0		0.9	0.0		113.5	113.6
	409	19.5	19.4	409	0.9	0.0		0.9	0.0		111.0	111.1
	410	19.2	19.1	410	0.8	0.0		0.8	0.0		108.6	108.6
	411	19.0	18.9	411	0.8	0.0		0.8	0.0		106.3	106.3
	412	18.8	18.7	412	0.8	0.0		0.8	0.0		104.0	103.9
	413	18.5	18.4	413	0.8	0.0		0.8	0.0		101.7	101.7
	414	18.3	18.2	414	0.8	0.0		0.8	0.0		99.5	99.5
	415	18.1	18.0	415	0.8	0.0		0.8	0.0		97.4	97.4
	416	17.9	17.8	416	0.8	0.0		0.8	0.0		95.3	95.3
	417	17.7	17.6	417	0.8	0.0		0.8	0.0		93.3	93.2
	418	17.5	17.4	418	0.8	0.0		0.8	0.0		91.3	91.3
	419	17.3	17.2	419	0.8	0.0		0.8	0.0		89.4	89.3
	420	17.1	17.0	420	0.8	0.0		0.8	0.0		87.5	87.5
	421	16.9	16.8	421	0.7	0.0		0.7	0.0		85.7	85.6
	422	16.7	16.6	422	0.7	0.0		0.7	0.0		84.0	83.9
	423	16.5	16.4	423	0.7	0.0		0.7	0.0		82.2	82.1
	424	16.3	16.2	424	0.7	0.0		0.7	0.0		80.6	80.5
	425	16.1	16.0	425	0.7	0.0		0.7	0.0		78.9	78.8
	426	15.9	15.8	426	0.7	0.0		0.7	0.0		77.3	77.2
	427	15.7	15.6	427	0.7	0.0		0.7	0.0		75.8	75.7
	428	15.6	15.5	428	0.7	0.0		0.7	0.0		74.3	74.2
	429	15.4	15.3	429	0.7	0.0		0.7	0.0		72.8	72.7
	430	15.2	15.1	430	0.7	0.0		0.7	0.0		71.4	71.3
	431	15.1	15.0	431	0.7	0.0		0.7	0.0		70.0	69.9

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- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)						Point	Segment C	
		200' easement			ROW width varies		ROW width varies		300' easement				
		Standard Design	Initial Design		If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design			
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	30 ft HAG	41 ft HAG	
	432	14.9	14.8	432	0.7	0.0		0.7	0.0		68.6	68.5	
	433	14.7	14.6	433	0.6	0.0		0.6	0.0		67.3	67.2	
	434	14.6	14.5	434	0.6	0.0		0.6	0.0		66.0	65.9	
	435	14.4	14.3	435	0.6	0.0		0.6	0.0		64.8	64.6	
	436	14.3	14.2	436	0.6	0.0		0.6	0.0		63.5	63.4	
	437	14.1	14.0	437	0.6	0.0		0.6	0.0		62.3	62.2	
	438	14.0	13.9	438	0.6	0.0		0.6	0.0		61.2	61.1	
	439	13.8	13.7	439	0.6	0.0		0.6	0.0		60.1	59.9	
	440	13.7	13.6	440	0.6	0.0		0.6	0.0		59.0	58.8	
	441	13.5	13.4	441	0.6	0.0		0.6	0.0		57.9	57.7	
	442	13.4	13.3	442	0.6	0.0		0.6	0.0		56.8	56.7	
	443	13.3	13.2	443	0.6	0.0		0.6	0.0		55.8	55.7	
	444	13.1	13.0	444	0.6	0.0		0.6	0.0		54.8	54.7	
	445	13.0	12.9	445	0.6	0.0		0.6	0.0		53.8	53.7	
	446	12.9	12.8	446	0.6	0.0		0.6	0.0		52.9	52.8	
	447	12.7	12.6	447	0.6	0.0		0.6	0.0		52.0	51.8	
	448	12.6	12.5	448	0.6	0.0		0.6	0.0		51.1	50.9	
	449	12.5	12.4	449	0.5	0.0		0.5	0.0		50.2	50.1	
	450	12.4	12.3	450	0.5	0.0		0.5	0.0		49.3	49.2	
	451	12.2	12.1	451	0.5	0.0		0.5	0.0		48.5	48.4	
	452	12.1	12.0	452	0.5	0.0		0.5	0.0		47.7	47.5	
	453	12.0	11.9	453	0.5	0.0		0.5	0.0		46.9	46.7	
	454	11.9	11.8	454	0.5	0.0		0.5	0.0		46.1	46.0	
	455	11.8	11.7	455	0.5	0.0		0.5	0.0		45.3	45.2	
	456	11.6	11.6	456	0.5	0.0		0.5	0.0		44.6	44.5	
	457	11.5	11.5	457	0.5	0.0		0.5	0.0		43.8	43.7	
	458	11.4	11.3	458	0.5	0.0		0.5	0.0		43.1	43.0	
	459	11.3	11.2	459	0.5	0.0		0.5	0.0		42.4	42.3	
	460	11.2	11.1	460	0.5	0.0		0.5	0.0		41.8	41.6	
	461	11.1	11.0	461	0.5	0.0		0.5	0.0		41.1	41.0	
	462	11.0	10.9	462	0.5	0.0		0.5	0.0		40.4	40.3	
	463	10.9	10.8	463	0.5	0.0		0.5	0.0		39.8	39.7	
	464	10.8	10.7	464	0.5	0.0		0.5	0.0		39.2	39.1	
	465	10.7	10.6	465	0.5	0.0		0.5	0.0		38.6	38.5	
	466	10.6	10.5	466	0.5	0.0		0.5	0.0		38.0	37.9	
	467	10.5	10.4	467	0.5	0.0		0.5	0.0		37.4	37.3	
	468	10.4	10.3	468	0.5	0.0		0.5	0.0		36.8	36.7	
	469	10.3	10.2	469	0.5	0.0		0.5	0.0		36.3	36.2	
	470	10.2	10.1	470	0.5	0.0		0.5	0.0		35.8	35.6	
	471	10.1	10.1	471	0.4	0.0		0.4	0.0		35.2	35.1	
	472	10.0	10.0	472	0.4	0.0		0.4	0.0		34.7	34.6	
	473	9.9	9.9	473	0.4	0.0		0.4	0.0		34.2	34.1	
	474	9.9	9.8	474	0.4	0.0		0.4	0.0		33.7	33.6	
	475	9.8	9.7	475	0.4	0.0		0.4	0.0		33.2	33.1	
	476	9.7	9.6	476	0.4	0.0		0.4	0.0		32.7	32.6	
	477	9.6	9.5	477	0.4	0.0		0.4	0.0		32.3	32.2	
	478	9.5	9.4	478	0.4	0.0		0.4	0.0		31.8	31.7	
	479	9.4	9.4	479	0.4	0.0		0.4	0.0		31.4	31.3	

Summary of calculated values for proposed Alternative 1, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 1 is divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)						Segment C	
		200' easement			ROW width varies		ROW width varies		300' easement			
		Standard Design	Initial Design		If duct package placed on N or W side of street		If duct package placed on S or E side of street		Standard Design	Initial Design		
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	Modified Phasing	Position Notes	A-B-C/A-B-C	Modified Phasing	Position Notes	30 ft HAG	41 ft HAG
	480	9.4	9.3	480	0.4	0.0		0.4	0.0		30.9	30.8
	481	9.3	9.2	481	0.4	0.0		0.4	0.0		30.5	30.4
	482	9.2	9.1	482	0.4	0.0		0.4	0.0		30.1	30.0
	483	9.1	9.1	483	0.4	0.0		0.4	0.0		29.6	29.6
	484	9.0	9.0	484	0.4	0.0		0.4	0.0		29.2	29.2
	485	9.0	8.9	485	0.4	0.0		0.4	0.0		28.8	28.8
	486	8.9	8.8	486	0.4	0.0		0.4	0.0		28.5	28.4
	487	8.8	8.7	487	0.4	0.0		0.4	0.0		28.1	28.0
	488	8.7	8.7	488	0.4	0.0		0.4	0.0		27.7	27.6
	489	8.7	8.6	489	0.4	0.0		0.4	0.0		27.3	27.2
	490	8.6	8.5	490	0.4	0.0		0.4	0.0		27.0	26.9
	491	8.5	8.5	491	0.4	0.0		0.4	0.0		26.6	26.5
	492	8.5	8.4	492	0.4	0.0		0.4	0.0		26.3	26.2
	493	8.4	8.3	493	0.4	0.0		0.4	0.0		25.9	25.9
	494	8.3	8.3	494	0.4	0.0		0.4	0.0		25.6	25.5
	495	8.2	8.2	495	0.4	0.0		0.4	0.0		25.3	25.2
	496	8.2	8.1	496	0.4	0.0		0.4	0.0		24.9	24.9
	497	8.1	8.1	497	0.4	0.0		0.4	0.0		24.6	24.6
	498	8.0	8.0	498	0.4	0.0		0.4	0.0		24.3	24.2
	499	8.0	7.9	499	0.4	0.0		0.4	0.0		24.0	23.9
	500	7.9	7.9	500	0.4	0.0		0.4	0.0		23.7	23.6

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	0	8.9	8.7	0	0.4	0.0		0.4	0.0	
	1	9.0	8.7	1	0.4	0.0		0.4	0.0	
	2	9.1	8.8	2	0.4	0.0		0.4	0.0	
	3	9.1	8.9	3	0.4	0.0		0.4	0.0	
	4	9.2	9.0	4	0.4	0.0		0.4	0.0	
	5	9.3	9.0	5	0.4	0.0		0.4	0.0	
	6	9.4	9.1	6	0.4	0.0		0.4	0.0	
	7	9.5	9.2	7	0.4	0.0		0.4	0.0	
	8	9.5	9.3	8	0.4	0.0		0.4	0.0	
	9	9.6	9.3	9	0.4	0.0		0.4	0.0	
	10	9.7	9.4	10	0.4	0.0		0.4	0.0	
	11	9.8	9.5	11	0.4	0.0		0.4	0.0	
	12	9.9	9.6	12	0.4	0.0		0.4	0.0	
	13	10.0	9.7	13	0.4	0.0		0.4	0.0	
	14	10.0	9.7	14	0.4	0.0		0.4	0.0	
	15	10.1	9.8	15	0.4	0.0		0.4	0.0	
	16	10.2	9.9	16	0.4	0.0		0.4	0.0	
	17	10.3	10.0	17	0.4	0.0		0.4	0.0	
	18	10.4	10.1	18	0.4	0.0		0.4	0.0	
	19	10.5	10.2	19	0.4	0.0		0.4	0.0	
	20	10.6	10.3	20	0.4	0.0		0.4	0.0	
	21	10.7	10.4	21	0.4	0.0		0.4	0.0	
	22	10.8	10.4	22	0.4	0.0		0.4	0.0	
	23	10.9	10.5	23	0.4	0.0		0.4	0.0	
	24	11.0	10.6	24	0.4	0.0		0.4	0.0	
	25	11.1	10.7	25	0.4	0.0		0.4	0.0	
	26	11.2	10.8	26	0.4	0.0		0.4	0.0	
	27	11.3	10.9	27	0.4	0.0		0.4	0.0	
	28	11.4	11.0	28	0.4	0.0		0.4	0.0	
	29	11.5	11.1	29	0.4	0.0		0.4	0.0	
	30	11.6	11.2	30	0.5	0.0		0.5	0.0	
	31	11.7	11.3	31	0.5	0.0		0.5	0.0	
	32	11.9	11.4	32	0.5	0.0		0.5	0.0	
	33	12.0	11.5	33	0.5	0.0		0.5	0.0	
	34	12.1	11.6	34	0.5	0.0		0.5	0.0	
	35	12.2	11.7	35	0.5	0.0		0.5	0.0	
	36	12.3	11.9	36	0.5	0.0		0.5	0.0	
	37	12.4	12.0	37	0.5	0.0		0.5	0.0	
	38	12.6	12.1	38	0.5	0.0		0.5	0.0	
	39	12.7	12.2	39	0.5	0.0		0.5	0.0	
	40	12.8	12.3	40	0.5	0.0		0.5	0.0	
	41	12.9	12.4	41	0.5	0.0		0.5	0.0	
	42	13.1	12.6	42	0.5	0.0		0.5	0.0	
	43	13.2	12.7	43	0.5	0.0		0.5	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	44	13.3	12.8	44	0.5	0.0		0.5	0.0	
	45	13.5	12.9	45	0.5	0.0		0.5	0.0	
	46	13.6	13.1	46	0.5	0.0		0.5	0.0	
	47	13.8	13.2	47	0.5	0.0		0.5	0.0	
	48	13.9	13.3	48	0.5	0.0		0.5	0.0	
	49	14.1	13.4	49	0.5	0.0		0.5	0.0	
	50	14.2	13.6	50	0.5	0.0		0.5	0.0	
	51	14.3	13.7	51	0.5	0.0		0.5	0.0	
	52	14.5	13.9	52	0.6	0.0		0.6	0.0	
	53	14.7	14.0	53	0.6	0.0		0.6	0.0	
	54	14.8	14.1	54	0.6	0.0		0.6	0.0	
	55	15.0	14.3	55	0.6	0.0		0.6	0.0	
	56	15.1	14.4	56	0.6	0.0		0.6	0.0	
	57	15.3	14.6	57	0.6	0.0		0.6	0.0	
	58	15.5	14.7	58	0.6	0.0		0.6	0.0	
	59	15.6	14.9	59	0.6	0.0		0.6	0.0	
	60	15.8	15.0	60	0.6	0.0		0.6	0.0	
	61	16.0	15.2	61	0.6	0.0		0.6	0.0	
	62	16.2	15.4	62	0.6	0.0		0.6	0.0	
	63	16.3	15.5	63	0.6	0.0		0.6	0.0	
	64	16.5	15.7	64	0.6	0.0		0.6	0.0	
	65	16.7	15.9	65	0.6	0.0		0.6	0.0	
	66	16.9	16.0	66	0.6	0.0		0.6	0.0	
	67	17.1	16.2	67	0.6	0.0		0.6	0.0	
	68	17.3	16.4	68	0.7	0.0		0.7	0.0	
	69	17.5	16.6	69	0.7	0.0		0.7	0.0	
	70	17.7	16.7	70	0.7	0.0		0.7	0.0	
	71	17.9	16.9	71	0.7	0.0		0.7	0.0	
	72	18.1	17.1	72	0.7	0.0		0.7	0.0	
	73	18.3	17.3	73	0.7	0.0		0.7	0.0	
	74	18.6	17.5	74	0.7	0.0		0.7	0.0	
	75	18.8	17.7	75	0.7	0.0		0.7	0.0	
	76	19.0	17.9	76	0.7	0.0		0.7	0.0	
	77	19.2	18.1	77	0.7	0.0		0.7	0.0	
	78	19.5	18.3	78	0.7	0.0		0.7	0.0	
	79	19.7	18.5	79	0.7	0.0		0.7	0.0	
	80	20.0	18.7	80	0.8	0.0		0.8	0.0	
	81	20.2	18.9	81	0.8	0.0		0.8	0.0	
	82	20.5	19.2	82	0.8	0.0		0.8	0.0	
	83	20.7	19.4	83	0.8	0.0		0.8	0.0	
	84	21.0	19.6	84	0.8	0.0		0.8	0.0	
	85	21.2	19.8	85	0.8	0.0		0.8	0.0	
	86	21.5	20.1	86	0.8	0.0		0.8	0.0	
	87	21.8	20.3	87	0.8	0.0		0.8	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	88	22.1	20.6	88	0.8	0.0		0.8	0.0	
	89	22.4	20.8	89	0.8	0.0		0.8	0.0	
	90	22.7	21.1	90	0.8	0.0		0.8	0.0	
	91	23.0	21.3	91	0.9	0.0		0.9	0.0	
	92	23.3	21.6	92	0.9	0.0		0.9	0.0	
	93	23.6	21.8	93	0.9	0.0		0.9	0.0	
	94	23.9	22.1	94	0.9	0.0		0.9	0.0	
	95	24.2	22.4	95	0.9	0.0		0.9	0.0	
	96	24.5	22.7	96	0.9	0.0		0.9	0.0	
	97	24.9	22.9	97	0.9	0.0		0.9	0.0	
	98	25.2	23.2	98	0.9	0.0		0.9	0.0	
	99	25.6	23.5	99	0.9	0.0		0.9	0.0	
	100	25.9	23.8	100	1.0	0.0		1.0	0.0	
	101	26.3	24.1	101	1.0	0.0		1.0	0.0	
	102	26.7	24.4	102	1.0	0.0		1.0	0.0	
	103	27.1	24.8	103	1.0	0.0		1.0	0.0	
	104	27.4	25.1	104	1.0	0.0		1.0	0.0	
	105	27.8	25.4	105	1.0	0.0		1.0	0.0	
	106	28.2	25.7	106	1.0	0.0		1.0	0.0	
	107	28.7	26.1	107	1.1	0.0		1.1	0.0	
	108	29.1	26.4	108	1.1	0.0		1.1	0.0	
	109	29.5	26.8	109	1.1	0.0		1.1	0.0	
	110	29.9	27.1	110	1.1	0.0		1.1	0.0	
	111	30.4	27.5	111	1.1	0.0		1.1	0.0	
	112	30.9	27.9	112	1.1	0.0		1.1	0.0	
	113	31.3	28.3	113	1.2	0.0		1.2	0.0	
	114	31.8	28.7	114	1.2	0.0		1.2	0.0	
	115	32.3	29.0	115	1.2	0.0		1.2	0.0	
	116	32.8	29.4	116	1.2	0.0		1.2	0.0	
	117	33.3	29.9	117	1.2	0.0		1.2	0.0	
	118	33.8	30.3	118	1.2	0.0		1.2	0.0	
	119	34.4	30.7	119	1.3	0.0		1.3	0.0	
	120	34.9	31.1	120	1.3	0.0		1.3	0.0	
	121	35.5	31.6	121	1.3	0.0		1.3	0.0	
	122	36.0	32.0	122	1.3	0.0		1.3	0.0	
	123	36.6	32.5	123	1.3	0.0		1.3	0.0	
	124	37.2	32.9	124	1.4	0.0		1.4	0.0	
	125	37.9	33.4	125	1.4	0.0		1.4	0.0	
	126	38.5	33.9	126	1.4	0.0		1.4	0.0	
	127	39.1	34.4	127	1.4	0.0		1.4	0.0	
	128	39.8	34.9	128	1.4	0.0		1.4	0.0	
	129	40.5	35.4	129	1.5	0.0		1.5	0.0	
	130	41.2	35.9	130	1.5	0.0		1.5	0.0	
	131	41.9	36.5	131	1.5	0.0		1.5	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
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Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	132	42.6	37.0	132	1.5	0.0		1.5	0.0	
	133	43.3	37.6	133	1.6	0.0		1.6	0.0	
	134	44.1	38.1	134	1.6	0.0		1.6	0.0	
	135	44.9	38.7	135	1.6	0.0		1.6	0.0	
	136	45.7	39.3	136	1.7	0.0		1.7	0.0	
	137	46.5	39.9	137	1.7	0.0		1.7	0.0	
	138	47.4	40.5	138	1.7	0.0		1.7	0.0	
	139	48.2	41.2	139	1.7	0.0		1.7	0.0	
	140	49.1	41.8	140	1.8	0.0		1.8	0.0	
	141	50.0	42.4	141	1.8	0.0		1.8	0.0	
	142	51.0	43.1	142	1.8	0.0		1.8	0.0	
	143	51.9	43.8	143	1.9	0.0		1.9	0.0	
	144	52.9	44.5	144	1.9	0.0		1.9	0.0	
	145	53.9	45.2	145	2.0	0.0		2.0	0.0	
	146	54.9	45.9	146	2.0	0.0		2.0	0.0	
	147	56.0	46.6	147	2.0	0.0		2.0	0.0	
	148	57.1	47.4	148	2.1	0.0		2.1	0.0	
	149	58.2	48.1	149	2.1	0.0		2.1	0.0	
Segments A Edge ROW	150	59.4	48.9	150	2.2	0.0	Far edge of street ROW, 120' Street	2.2	0.0	
	151	60.6	49.7	151	2.2	0.0		2.2	0.0	
	152	61.8	50.5	152	2.2	0.0		2.2	0.0	
	153	63.0	51.3	153	2.3	0.0		2.3	0.0	
	154	64.3	52.1	154	2.3	0.0		2.3	0.0	
	155	65.7	53.0	155	2.4	0.1		2.4	0.1	
	156	67.0	53.9	156	2.4	0.1		2.4	0.1	
	157	68.4	54.7	157	2.5	0.1		2.5	0.1	
	158	69.8	55.6	158	2.5	0.1		2.5	0.1	
	159	71.3	56.5	159	2.6	0.1		2.6	0.1	
	160	72.8	57.5	160	2.6	0.1		2.6	0.1	
	161	74.4	58.4	161	2.7	0.1		2.7	0.1	
	162	76.0	59.4	162	2.8	0.1		2.8	0.1	
	163	77.7	60.4	163	2.8	0.1		2.8	0.1	
	164	79.4	61.4	164	2.9	0.1		2.9	0.1	
	165	81.1	62.4	165	3.0	0.1		3.0	0.1	
	166	82.9	63.4	166	3.0	0.1		3.0	0.1	
	167	84.8	64.5	167	3.1	0.1		3.1	0.1	
	168	86.7	65.5	168	3.2	0.1		3.2	0.1	
	169	88.6	66.6	169	3.3	0.1		3.3	0.1	
	170	90.7	67.7	170	3.3	0.1	Far edge of street ROW, 100' Street	3.3	0.1	
	171	92.7	68.8	171	3.4	0.1		3.4	0.1	
	172	94.9	69.9	172	3.5	0.1		3.5	0.1	
	173	97.1	71.1	173	3.6	0.1		3.6	0.1	
	174	99.3	72.3	174	3.7	0.1		3.7	0.1	
	175	101.7	73.4	175	3.8	0.1		3.8	0.1	

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		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement				ROW width varies			ROW width varies		
		Standard	Initial Design			If duct package placed on N or W side of street			If duct package placed on S or E side of street		
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	
	176	104.1	74.6	176	3.9	0.1		3.9	0.1		
	177	106.5	75.8	177	4.0	0.1		4.0	0.1		
	178	109.1	77.0	178	4.1	0.1		4.1	0.1		
	179	111.7	78.2	179	4.2	0.1		4.2	0.1		
	180	114.4	79.5	180	4.4	0.1		4.4	0.1		
	181	117.1	80.7	181	4.5	0.1		4.5	0.1		
	182	119.9	82.0	182	4.6	0.1		4.6	0.1		
	183	122.8	83.2	183	4.7	0.1		4.7	0.1		
	184	125.8	84.5	184	4.9	0.1		4.9	0.1		
	185	128.9	85.8	185	5.0	0.1		5.0	0.1		
	186	132.0	87.0	186	5.2	0.2		5.2	0.2		
	187	135.2	88.3	187	5.4	0.2		5.4	0.2		
	188	138.5	89.6	188	5.5	0.2		5.5	0.2		
	189	141.9	90.8	189	5.7	0.2		5.7	0.2		
	190	145.3	92.1	190	5.9	0.2	Far edge of street ROW, 80' Street	5.9	0.2		
	191	148.9	93.3	191	6.1	0.2		6.1	0.2		
	192	152.5	94.5	192	6.3	0.2		6.3	0.2		
	193	156.1	95.8	193	6.5	0.2		6.5	0.2		
	194	159.8	96.9	194	6.8	0.2		6.8	0.2		
	195	163.6	98.1	195	7.0	0.2		7.0	0.2		
	196	167.5	99.3	196	7.2	0.2		7.2	0.2		
	197	171.4	100.4	197	7.5	0.3		7.5	0.3		
	198	175.3	101.5	198	7.8	0.3		7.8	0.3		
	199	179.2	102.5	199	8.1	0.3		8.1	0.3		
	200	183.2	103.5	200	8.4	0.3		8.4	0.3		
	201	187.1	104.5	201	8.8	0.3		8.8	0.3		
	202	191.1	105.4	202	9.1	0.3		9.1	0.3		
	203	195.0	106.2	203	9.5	0.4		9.5	0.4		
	204	198.9	107.0	204	9.9	0.4		9.9	0.4		
	205	202.7	107.7	205	10.3	0.4		10.3	0.4		
	206	206.4	108.4	206	10.8	0.4		10.8	0.4		
	207	210.0	108.9	207	11.3	0.5		11.3	0.5		
	208	213.4	109.4	208	11.8	0.5		11.8	0.5		
	209	216.7	109.8	209	12.4	0.5		12.4	0.5		
	210	219.8	110.2	210	13.0	0.6	Far edge of street ROW, 60' Street	13.0	0.6		
	211	222.6	110.4	211	13.6	0.6		13.6	0.6		
	212	225.2	110.5	212	14.3	0.7		14.3	0.7		
	213	227.5	110.5	213	15.1	0.7		15.1	0.7		
	214	229.4	110.4	214	15.9	0.8		15.9	0.8		
	215	231.0	110.3	215	16.7	0.9		16.7	0.9		
	216	232.2	110.0	216	17.7	0.9		17.7	0.9		
	217	233.1	109.5	217	18.7	1.0		18.7	1.0		
	218	233.4	109.0	218	19.8	1.1		19.8	1.1		
	219	233.4	108.4	219	21.1	1.2		21.1	1.2		

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		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)				
		200' easement				ROW width varies		ROW width varies		
		Standard	Initial Design			If duct package placed on N or W side of street		If duct package placed on S or E side of street		
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes
	220	232.8	107.6	220	22.4	1.3		22.4	1.3	
	221	231.8	106.7	221	23.8	1.5		23.8	1.5	
	222	230.4	105.7	222	25.4	1.6		25.4	1.6	
	223	228.4	104.6	223	27.2	1.8		27.2	1.8	
	224	226.0	103.4	224	29.1	2.0		29.1	2.0	
	225	223.2	102.1	225	31.3	2.2		31.3	2.2	
	226	219.9	100.6	226	33.7	2.4		33.7	2.4	
	227	216.3	99.1	227	36.3	2.7		36.3	2.7	
	228	212.2	97.4	228	39.3	3.1		39.3	3.1	
	229	207.8	95.7	229	42.7	3.5		42.7	3.5	
	230	203.0	93.9	230	46.4	3.9	Far edge of street ROW, 40' Street	46.4	3.9	Near edge of street ROW, all widths
	231	198.0	91.9	231	50.7	4.5		50.7	4.5	
	232	192.7	89.9	232	55.5	5.1		55.5	5.1	
	233	187.1	87.9	233	60.9	5.9		60.9	5.9	
	234	181.4	85.7	234	67.2	6.8		67.2	6.8	
	235	175.5	83.5	235	74.3	8.0		74.3	8.0	
	236	169.5	81.2	236	82.5	9.3		82.5	9.3	
	237	163.4	78.9	237	92.0	10.9		92.0	10.9	
	238	157.3	76.5	238	102.9	13.0		102.9	13.0	
	239	151.1	74.1	239	115.5	15.4		115.5	15.4	
	240	144.8	71.7	240	130.0	18.4		130.0	18.4	
	241	138.6	69.2	241	146.6	22.1		146.6	22.1	
	242	132.5	66.8	242	165.5	26.5		165.5	26.5	
	243	126.4	64.3	243	186.7	31.8		186.7	31.8	
	244	120.4	61.8	244	209.9	38.0		209.9	38.0	
	245	114.4	59.3	245	234.4	45.1		234.4	45.1	
	246	108.6	56.9	246	259.0	52.6		259.0	52.6	
	247	102.9	54.5	247	281.7	60.0		281.7	60.0	
	248	97.3	52.1	248	300.5	66.4		300.5	66.4	
	249	91.8	49.7	249	312.9	70.9		312.9	70.9	
Centerline of calculations	250	86.5	47.4	250	317.2	72.4	Center of the Underground line	317.2	72.4	Centerline of the Underground line
	251	81.3	45.2	251	312.9	70.9		312.9	70.9	
	252	76.3	43.1	252	300.5	66.4		300.5	66.4	
	253	71.4	41.1	253	281.7	60.0		281.7	60.0	
	254	66.6	39.3	254	259.0	52.6		259.0	52.6	
	255	62.0	37.6	255	234.4	45.1		234.4	45.1	
	256	57.6	36.1	256	209.9	38.0		209.9	38.0	
	257	53.3	34.8	257	186.7	31.8		186.7	31.8	
	258	49.2	33.7	258	165.5	26.5		165.5	26.5	
	259	45.3	32.9	259	146.6	22.1		146.6	22.1	
	260	41.5	32.4	260	130.0	18.4		130.0	18.4	
	261	38.0	32.1	261	115.5	15.4		115.5	15.4	
	262	34.8	32.2	262	102.9	13.0		102.9	13.0	
	263	31.9	32.6	263	92.0	10.9		92.0	10.9	

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		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement				ROW width varies			ROW width varies		
		Standard	Initial Design			If duct package placed on N or W side of street			If duct package placed on S or E side of street		
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	
	264	29.3	33.3	264	82.5	9.3		82.5	9.3		
	265	27.2	34.3	265	74.3	8.0		74.3	8.0		
	266	25.6	35.5	266	67.2	6.8		67.2	6.8		
	267	24.6	36.9	267	60.9	5.9		60.9	5.9		
	268	24.2	38.5	268	55.5	5.1		55.5	5.1		
	269	24.4	40.3	269	50.7	4.5		50.7	4.5		
	270	25.2	42.2	270	46.4	3.9	Near edge of street ROW, all widths	46.4	3.9	Far edge of street ROW, 40' Street	
	271	26.5	44.2	271	42.7	3.5		42.7	3.5		
	272	28.2	46.3	272	39.3	3.1		39.3	3.1		
	273	30.2	48.5	273	36.3	2.7		36.3	2.7		
	274	32.4	50.6	274	33.7	2.4		33.7	2.4		
	275	34.8	52.8	275	31.3	2.2		31.3	2.2		
	276	37.2	55.0	276	29.1	2.0		29.1	2.0		
	277	39.7	57.1	277	27.2	1.8		27.2	1.8		
	278	42.2	59.2	278	25.4	1.6		25.4	1.6		
	279	44.7	61.3	279	23.8	1.5		23.8	1.5		
	280	47.1	63.3	280	22.4	1.3		22.4	1.3		
	281	49.5	65.2	281	21.1	1.2		21.1	1.2		
	282	51.8	67.0	282	19.8	1.1		19.8	1.1		
	283	53.9	68.7	283	18.7	1.0		18.7	1.0		
	284	56.0	70.3	284	17.7	0.9		17.7	0.9		
	285	58.0	71.8	285	16.7	0.9		16.7	0.9		
	286	59.8	73.2	286	15.9	0.8		15.9	0.8		
	287	61.6	74.4	287	15.1	0.7		15.1	0.7		
	288	63.2	75.6	288	14.3	0.7		14.3	0.7		
	289	64.7	76.7	289	13.6	0.6		13.6	0.6		
	290	66.1	77.6	290	13.0	0.6		13.0	0.6	Far edge of street ROW, 60' Street	
	291	67.4	78.5	291	12.4	0.5		12.4	0.5		
	292	68.6	79.3	292	11.8	0.5		11.8	0.5		
	293	69.7	80.0	293	11.3	0.5		11.3	0.5		
	294	70.7	80.6	294	10.8	0.4		10.8	0.4		
	295	71.6	81.2	295	10.3	0.4		10.3	0.4		
	296	72.5	81.7	296	9.9	0.4		9.9	0.4		
	297	73.2	82.1	297	9.5	0.4		9.5	0.4		
	298	74.0	82.5	298	9.1	0.3		9.1	0.3		
	299	74.6	82.8	299	8.8	0.3		8.8	0.3		
	300	75.2	83.1	300	8.4	0.3		8.4	0.3		
	301	75.7	83.3	301	8.1	0.3		8.1	0.3		
	302	76.2	83.5	302	7.8	0.3		7.8	0.3		
	303	76.6	83.7	303	7.5	0.3		7.5	0.3		
	304	77.0	83.7	304	7.2	0.2		7.2	0.2		
	305	77.3	83.7	305	7.0	0.2		7.0	0.2		
	306	77.5	83.7	306	6.8	0.2		6.8	0.2		
	307	77.6	83.6	307	6.5	0.2		6.5	0.2		

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		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)				
		200' easement				ROW width varies		ROW width varies		
		Standard	Initial Design			If duct package placed on N or W side of street		If duct package placed on S or E side of street		
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes
	308	77.7	83.4	308	6.3	0.2		6.3	0.2	
	309	77.7	83.2	309	6.1	0.2		6.1	0.2	
	310	77.6	82.9	310	5.9	0.2		5.9	0.2	Far edge of street ROW, 80' Street
	311	77.5	82.5	311	5.7	0.2		5.7	0.2	
	312	77.2	82.0	312	5.5	0.2		5.5	0.2	
	313	76.9	81.5	313	5.4	0.2		5.4	0.2	
	314	76.6	80.9	314	5.2	0.2		5.2	0.2	
	315	76.1	80.3	315	5.0	0.1		5.0	0.1	
	316	75.6	79.6	316	4.9	0.1		4.9	0.1	
	317	75.0	78.8	317	4.7	0.1		4.7	0.1	
	318	74.4	78.0	318	4.6	0.1		4.6	0.1	
	319	73.7	77.1	319	4.5	0.1		4.5	0.1	
	320	73.0	76.2	320	4.4	0.1		4.4	0.1	
	321	72.2	75.3	321	4.2	0.1		4.2	0.1	
	322	71.4	74.3	322	4.1	0.1		4.1	0.1	
	323	70.6	73.3	323	4.0	0.1		4.0	0.1	
	324	69.7	72.3	324	3.9	0.1		3.9	0.1	
	325	68.8	71.3	325	3.8	0.1		3.8	0.1	
	326	67.9	70.3	326	3.7	0.1		3.7	0.1	
	327	67.0	69.2	327	3.6	0.1		3.6	0.1	
	328	66.1	68.1	328	3.5	0.1		3.5	0.1	
	329	65.1	67.1	329	3.4	0.1		3.4	0.1	
	330	64.2	66.0	330	3.3	0.1		3.3	0.1	Far edge of street ROW, 100' Street
	331	63.2	64.9	331	3.3	0.1		3.3	0.1	
	332	62.2	63.9	332	3.2	0.1		3.2	0.1	
	333	61.3	62.8	333	3.1	0.1		3.1	0.1	
	334	60.3	61.8	334	3.0	0.1		3.0	0.1	
	335	59.4	60.7	335	3.0	0.1		3.0	0.1	
	336	58.4	59.7	336	2.9	0.1		2.9	0.1	
	337	57.5	58.7	337	2.8	0.1		2.8	0.1	
	338	56.5	57.7	338	2.8	0.1		2.8	0.1	
	339	55.6	56.7	339	2.7	0.1		2.7	0.1	
	340	54.7	55.7	340	2.6	0.1		2.6	0.1	
	341	53.8	54.7	341	2.6	0.1		2.6	0.1	
	342	52.9	53.8	342	2.5	0.1		2.5	0.1	
	343	52.0	52.8	343	2.5	0.1		2.5	0.1	
	344	51.2	51.9	344	2.4	0.1		2.4	0.1	
	345	50.3	51.0	345	2.4	0.1		2.4	0.1	
	346	49.5	50.1	346	2.3	0.0		2.3	0.0	
	347	48.7	49.3	347	2.3	0.0		2.3	0.0	
	348	47.9	48.4	348	2.2	0.0		2.2	0.0	
	349	47.1	47.6	349	2.2	0.0		2.2	0.0	
Segment A Edge ROW	350	46.3	46.8	350	2.2	0.0		2.2	0.0	Far edge of street ROW, 120' Street
	351	45.5	46.0	351	2.1	0.0		2.1	0.0	

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Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	352	44.8	45.2	352	2.1	0.0		2.1	0.0	
	353	44.0	44.4	353	2.0	0.0		2.0	0.0	
	354	43.3	43.7	354	2.0	0.0		2.0	0.0	
	355	42.6	42.9	355	2.0	0.0		2.0	0.0	
	356	41.9	42.2	356	1.9	0.0		1.9	0.0	
	357	41.2	41.5	357	1.9	0.0		1.9	0.0	
	358	40.5	40.8	358	1.8	0.0		1.8	0.0	
	359	39.9	40.1	359	1.8	0.0		1.8	0.0	
	360	39.2	39.4	360	1.8	0.0		1.8	0.0	
	361	38.6	38.8	361	1.7	0.0		1.7	0.0	
	362	38.0	38.2	362	1.7	0.0		1.7	0.0	
	363	37.4	37.5	363	1.7	0.0		1.7	0.0	
	364	36.8	36.9	364	1.7	0.0		1.7	0.0	
	365	36.2	36.3	365	1.6	0.0		1.6	0.0	
	366	35.6	35.7	366	1.6	0.0		1.6	0.0	
	367	35.1	35.2	367	1.6	0.0		1.6	0.0	
	368	34.5	34.6	368	1.5	0.0		1.5	0.0	
	369	34.0	34.1	369	1.5	0.0		1.5	0.0	
	370	33.5	33.5	370	1.5	0.0		1.5	0.0	
	371	33.0	33.0	371	1.5	0.0		1.5	0.0	
	372	32.5	32.5	372	1.4	0.0		1.4	0.0	
	373	32.0	32.0	373	1.4	0.0		1.4	0.0	
	374	31.5	31.5	374	1.4	0.0		1.4	0.0	
	375	31.0	31.0	375	1.4	0.0		1.4	0.0	
	376	30.6	30.5	376	1.4	0.0		1.4	0.0	
	377	30.1	30.1	377	1.3	0.0		1.3	0.0	
	378	29.7	29.6	378	1.3	0.0		1.3	0.0	
	379	29.2	29.2	379	1.3	0.0		1.3	0.0	
	380	28.8	28.8	380	1.3	0.0		1.3	0.0	
	381	28.4	28.3	381	1.3	0.0		1.3	0.0	
	382	28.0	27.9	382	1.2	0.0		1.2	0.0	
	383	27.6	27.5	383	1.2	0.0		1.2	0.0	
	384	27.2	27.1	384	1.2	0.0		1.2	0.0	
	385	26.8	26.7	385	1.2	0.0		1.2	0.0	
	386	26.4	26.3	386	1.2	0.0		1.2	0.0	
	387	26.0	26.0	387	1.2	0.0		1.2	0.0	
	388	25.7	25.6	388	1.1	0.0		1.1	0.0	
	389	25.3	25.2	389	1.1	0.0		1.1	0.0	
	390	25.0	24.9	390	1.1	0.0		1.1	0.0	
	391	24.6	24.5	391	1.1	0.0		1.1	0.0	
	392	24.3	24.2	392	1.1	0.0		1.1	0.0	
	393	24.0	23.9	393	1.1	0.0		1.1	0.0	
	394	23.6	23.5	394	1.0	0.0		1.0	0.0	
	395	23.3	23.2	395	1.0	0.0		1.0	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		Standard	Modified	Position Notes	Standard	Modified	Position Notes
	396	23.0	22.9	396	1.0	0.0		1.0	0.0	
	397	22.7	22.6	397	1.0	0.0		1.0	0.0	
	398	22.4	22.3	398	1.0	0.0		1.0	0.0	
	399	22.1	22.0	399	1.0	0.0		1.0	0.0	
	400	21.8	21.7	400	1.0	0.0	edge of right away	1.0	0.0	edge of right away
	401	21.5	21.4	401	0.9	0.0		0.9	0.0	
	402	21.3	21.2	402	0.9	0.0		0.9	0.0	
	403	21.0	20.9	403	0.9	0.0		0.9	0.0	
	404	20.7	20.6	404	0.9	0.0		0.9	0.0	
	405	20.5	20.4	405	0.9	0.0		0.9	0.0	
	406	20.2	20.1	406	0.9	0.0		0.9	0.0	
	407	20.0	19.9	407	0.9	0.0		0.9	0.0	
	408	19.7	19.6	408	0.9	0.0		0.9	0.0	
	409	19.5	19.4	409	0.9	0.0		0.9	0.0	
	410	19.2	19.1	410	0.8	0.0		0.8	0.0	
	411	19.0	18.9	411	0.8	0.0		0.8	0.0	
	412	18.8	18.7	412	0.8	0.0		0.8	0.0	
	413	18.5	18.4	413	0.8	0.0		0.8	0.0	
	414	18.3	18.2	414	0.8	0.0		0.8	0.0	
	415	18.1	18.0	415	0.8	0.0		0.8	0.0	
	416	17.9	17.8	416	0.8	0.0		0.8	0.0	
	417	17.7	17.6	417	0.8	0.0		0.8	0.0	
	418	17.5	17.4	418	0.8	0.0		0.8	0.0	
	419	17.3	17.2	419	0.8	0.0		0.8	0.0	
	420	17.1	17.0	420	0.8	0.0		0.8	0.0	
	421	16.9	16.8	421	0.7	0.0		0.7	0.0	
	422	16.7	16.6	422	0.7	0.0		0.7	0.0	
	423	16.5	16.4	423	0.7	0.0		0.7	0.0	
	424	16.3	16.2	424	0.7	0.0		0.7	0.0	
	425	16.1	16.0	425	0.7	0.0		0.7	0.0	
	426	15.9	15.8	426	0.7	0.0		0.7	0.0	
	427	15.7	15.6	427	0.7	0.0		0.7	0.0	
	428	15.6	15.5	428	0.7	0.0		0.7	0.0	
	429	15.4	15.3	429	0.7	0.0		0.7	0.0	
	430	15.2	15.1	430	0.7	0.0		0.7	0.0	
	431	15.1	15.0	431	0.7	0.0		0.7	0.0	
	432	14.9	14.8	432	0.7	0.0		0.7	0.0	
	433	14.7	14.6	433	0.6	0.0		0.6	0.0	
	434	14.6	14.5	434	0.6	0.0		0.6	0.0	
	435	14.4	14.3	435	0.6	0.0		0.6	0.0	
	436	14.3	14.2	436	0.6	0.0		0.6	0.0	
	437	14.1	14.0	437	0.6	0.0		0.6	0.0	
	438	14.0	13.9	438	0.6	0.0		0.6	0.0	
	439	13.8	13.7	439	0.6	0.0		0.6	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

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Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Right-of way (ROW) Edges	Point	Segment A		Point	Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement			ROW width varies			ROW width varies		
		Standard	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		30 ft HAG	41 ft HAG		A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes
	440	13.7	13.6	440	0.6	0.0		0.6	0.0	
	441	13.5	13.4	441	0.6	0.0		0.6	0.0	
	442	13.4	13.3	442	0.6	0.0		0.6	0.0	
	443	13.3	13.2	443	0.6	0.0		0.6	0.0	
	444	13.1	13.0	444	0.6	0.0		0.6	0.0	
	445	13.0	12.9	445	0.6	0.0		0.6	0.0	
	446	12.9	12.8	446	0.6	0.0		0.6	0.0	
	447	12.7	12.6	447	0.6	0.0		0.6	0.0	
	448	12.6	12.5	448	0.6	0.0		0.6	0.0	
	449	12.5	12.4	449	0.5	0.0		0.5	0.0	
	450	12.4	12.3	450	0.5	0.0		0.5	0.0	
	451	12.2	12.1	451	0.5	0.0		0.5	0.0	
	452	12.1	12.0	452	0.5	0.0		0.5	0.0	
	453	12.0	11.9	453	0.5	0.0		0.5	0.0	
	454	11.9	11.8	454	0.5	0.0		0.5	0.0	
	455	11.8	11.7	455	0.5	0.0		0.5	0.0	
	456	11.6	11.6	456	0.5	0.0		0.5	0.0	
	457	11.5	11.5	457	0.5	0.0		0.5	0.0	
	458	11.4	11.3	458	0.5	0.0		0.5	0.0	
	459	11.3	11.2	459	0.5	0.0		0.5	0.0	
	460	11.2	11.1	460	0.5	0.0		0.5	0.0	
	461	11.1	11.0	461	0.5	0.0		0.5	0.0	
	462	11.0	10.9	462	0.5	0.0		0.5	0.0	
	463	10.9	10.8	463	0.5	0.0		0.5	0.0	
	464	10.8	10.7	464	0.5	0.0		0.5	0.0	
	465	10.7	10.6	465	0.5	0.0		0.5	0.0	
	466	10.6	10.5	466	0.5	0.0		0.5	0.0	
	467	10.5	10.4	467	0.5	0.0		0.5	0.0	
	468	10.4	10.3	468	0.5	0.0		0.5	0.0	
	469	10.3	10.2	469	0.5	0.0		0.5	0.0	
	470	10.2	10.1	470	0.5	0.0		0.5	0.0	
	471	10.1	10.1	471	0.4	0.0		0.4	0.0	
	472	10.0	10.0	472	0.4	0.0		0.4	0.0	
	473	9.9	9.9	473	0.4	0.0		0.4	0.0	
	474	9.9	9.8	474	0.4	0.0		0.4	0.0	
	475	9.8	9.7	475	0.4	0.0		0.4	0.0	
	476	9.7	9.6	476	0.4	0.0		0.4	0.0	
	477	9.6	9.5	477	0.4	0.0		0.4	0.0	
	478	9.5	9.4	478	0.4	0.0		0.4	0.0	
	479	9.4	9.4	479	0.4	0.0		0.4	0.0	
	480	9.4	9.3	480	0.4	0.0		0.4	0.0	
	481	9.3	9.2	481	0.4	0.0		0.4	0.0	
	482	9.2	9.1	482	0.4	0.0		0.4	0.0	
	483	9.1	9.1	483	0.4	0.0		0.4	0.0	

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

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- (B) a middle underground route
- (C) a westerly overhead route

		Segment A				Segment B (assumes duct package centered 20' from nearer edge ROW)					
		200' easement				ROW width varies			ROW width varies		
		Standard	Initial Design			If duct package placed on N or W side of street			If duct package placed on S or E side of street		
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	Point	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	A-B-C/A-B-C	A-B-C/C-B-A	Position Notes	
	484	9.0	9.0	484	0.4	0.0		0.4	0.0		
	485	9.0	8.9	485	0.4	0.0		0.4	0.0		
	486	8.9	8.8	486	0.4	0.0		0.4	0.0		
	487	8.8	8.7	487	0.4	0.0		0.4	0.0		
	488	8.7	8.7	488	0.4	0.0		0.4	0.0		
	489	8.7	8.6	489	0.4	0.0		0.4	0.0		
	490	8.6	8.5	490	0.4	0.0		0.4	0.0		
	491	8.5	8.5	491	0.4	0.0		0.4	0.0		
	492	8.5	8.4	492	0.4	0.0		0.4	0.0		
	493	8.4	8.3	493	0.4	0.0		0.4	0.0		
	494	8.3	8.3	494	0.4	0.0		0.4	0.0		
	495	8.2	8.2	495	0.4	0.0		0.4	0.0		
	496	8.2	8.1	496	0.4	0.0		0.4	0.0		
	497	8.1	8.1	497	0.4	0.0		0.4	0.0		
	498	8.0	8.0	498	0.4	0.0		0.4	0.0		
	499	8.0	7.9	499	0.4	0.0		0.4	0.0		
	500	7.9	7.9	500	0.4	0.0		0.4	0.0		

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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
0	9.8	7.5	8.9	8.3	9.9	7.3	9.2	8.1
1	9.9	7.5	9.0	8.3	10.0	7.4	9.2	8.2
2	10.0	7.6	9.1	8.4	10.0	7.4	9.3	8.2
3	10.1	7.6	9.1	8.5	10.1	7.5	9.4	8.3
4	10.2	7.7	9.2	8.5	10.2	7.6	9.5	8.4
5	10.3	7.8	9.3	8.6	10.3	7.6	9.6	8.5
6	10.4	7.8	9.4	8.7	10.4	7.7	9.6	8.5
7	10.4	7.9	9.5	8.8	10.5	7.8	9.7	8.6
8	10.5	8.0	9.5	8.9	10.6	7.9	9.8	8.7
9	10.6	8.0	9.6	8.9	10.7	7.9	9.9	8.8
10	10.7	8.1	9.7	9.0	10.7	8.0	10.0	8.8
11	10.8	8.2	9.8	9.1	10.8	8.1	10.1	8.9
12	10.9	8.3	9.9	9.2	10.9	8.2	10.2	9.0
13	11.0	8.3	10.0	9.3	11.0	8.2	10.3	9.1
14	11.2	8.4	10.1	9.4	11.1	8.3	10.3	9.2
15	11.3	8.5	10.2	9.4	11.2	8.4	10.4	9.3
16	11.4	8.5	10.2	9.5	11.3	8.5	10.5	9.3
17	11.5	8.6	10.3	9.6	11.4	8.6	10.6	9.4
18	11.6	8.7	10.4	9.7	11.5	8.6	10.7	9.5
19	11.7	8.8	10.5	9.8	11.6	8.7	10.8	9.6
20	11.8	8.9	10.6	9.9	11.8	8.8	10.9	9.7
21	11.9	8.9	10.7	10.0	11.9	8.9	11.0	9.8
22	12.0	9.0	10.8	10.1	12.0	9.0	11.1	9.9
23	12.2	9.1	10.9	10.2	12.1	9.1	11.2	10.0
24	12.3	9.2	11.0	10.3	12.2	9.2	11.3	10.1
25	12.4	9.3	11.1	10.4	12.3	9.2	11.4	10.2
26	12.5	9.4	11.3	10.5	12.4	9.3	11.6	10.3
27	12.7	9.4	11.4	10.6	12.5	9.4	11.7	10.4
28	12.8	9.5	11.5	10.7	12.7	9.5	11.8	10.5
29	12.9	9.6	11.6	10.8	12.8	9.6	11.9	10.6
30	13.1	9.7	11.7	10.9	12.9	9.7	12.0	10.7
31	13.2	9.8	11.8	11.0	13.0	9.8	12.1	10.8
32	13.3	9.9	11.9	11.1	13.1	9.9	12.2	10.9
33	13.5	10.0	12.0	11.2	13.3	10.0	12.4	11.0
34	13.6	10.1	12.2	11.4	13.4	10.1	12.5	11.1
35	13.8	10.2	12.3	11.5	13.5	10.2	12.6	11.2
36	13.9	10.3	12.4	11.6	13.7	10.3	12.7	11.3
37	14.0	10.4	12.5	11.7	13.8	10.5	12.9	11.5
38	14.2	10.5	12.7	11.8	13.9	10.6	13.0	11.6
39	14.4	10.6	12.8	12.0	14.1	10.7	13.1	11.7
40	14.5	10.7	12.9	12.1	14.2	10.8	13.3	11.8
41	14.7	10.8	13.1	12.2	14.4	10.9	13.4	11.9
42	14.8	10.9	13.2	12.3	14.5	11.0	13.5	12.1
43	15.0	11.0	13.3	12.5	14.7	11.2	13.7	12.2

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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
44	15.2	11.1	13.5	12.6	14.8	11.3	13.8	12.3
45	15.3	11.2	13.6	12.7	15.0	11.4	14.0	12.5
46	15.5	11.3	13.7	12.9	15.1	11.5	14.1	12.6
47	15.7	11.4	13.9	13.0	15.3	11.7	14.2	12.7
48	15.8	11.6	14.0	13.1	15.4	11.8	14.4	12.9
49	16.0	11.7	14.2	13.3	15.6	11.9	14.6	13.0
50	16.2	11.8	14.3	13.4	15.8	12.0	14.7	13.2
51	16.4	11.9	14.5	13.6	15.9	12.2	14.9	13.3
52	16.6	12.0	14.7	13.7	16.1	12.3	15.0	13.4
53	16.8	12.2	14.8	13.9	16.3	12.5	15.2	13.6
54	17.0	12.3	15.0	14.0	16.4	12.6	15.4	13.7
55	17.2	12.4	15.1	14.2	16.6	12.8	15.5	13.9
56	17.4	12.5	15.3	14.4	16.8	12.9	15.7	14.1
57	17.6	12.7	15.5	14.5	17.0	13.1	15.9	14.2
58	17.8	12.8	15.7	14.7	17.2	13.2	16.0	14.4
59	18.0	12.9	15.8	14.9	17.3	13.4	16.2	14.5
60	18.2	13.1	16.0	15.0	17.5	13.5	16.4	14.7
61	18.4	13.2	16.2	15.2	17.7	13.7	16.6	14.9
62	18.7	13.4	16.4	15.4	17.9	13.8	16.8	15.1
63	18.9	13.5	16.6	15.6	18.1	14.0	17.0	15.2
64	19.1	13.7	16.8	15.8	18.3	14.2	17.2	15.4
65	19.4	13.8	16.9	15.9	18.5	14.4	17.4	15.6
66	19.6	14.0	17.1	16.1	18.8	14.5	17.6	15.8
67	19.9	14.1	17.3	16.3	19.0	14.7	17.8	16.0
68	20.1	14.3	17.6	16.5	19.2	14.9	18.0	16.2
69	20.4	14.4	17.8	16.7	19.4	15.1	18.2	16.4
70	20.6	14.6	18.0	16.9	19.6	15.3	18.4	16.6
71	20.9	14.8	18.2	17.1	19.9	15.5	18.6	16.8
72	21.2	14.9	18.4	17.3	20.1	15.7	18.8	17.0
73	21.4	15.1	18.6	17.6	20.3	15.9	19.1	17.2
74	21.7	15.3	18.9	17.8	20.6	16.1	19.3	17.4
75	22.0	15.4	19.1	18.0	20.8	16.3	19.5	17.6
76	22.3	15.6	19.3	18.2	21.1	16.5	19.8	17.8
77	22.6	15.8	19.6	18.5	21.3	16.7	20.0	18.1
78	22.9	16.0	19.8	18.7	21.6	16.9	20.3	18.3
79	23.2	16.2	20.1	18.9	21.9	17.1	20.5	18.5
80	23.5	16.3	20.3	19.2	22.1	17.4	20.8	18.8
81	23.9	16.5	20.6	19.4	22.4	17.6	21.0	19.0
82	24.2	16.7	20.8	19.7	22.7	17.8	21.3	19.2
83	24.5	16.9	21.1	19.9	23.0	18.1	21.6	19.5
84	24.9	17.1	21.4	20.2	23.3	18.3	21.9	19.8
85	25.2	17.3	21.7	20.5	23.6	18.6	22.1	20.0
86	25.6	17.5	21.9	20.7	23.9	18.8	22.4	20.3
87	25.9	17.8	22.2	21.0	24.2	19.1	22.7	20.6

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

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- (B) a middle underground route
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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
88	26.3	18.0	22.5	21.3	24.5	19.3	23.0	20.8
89	26.7	18.2	22.8	21.6	24.8	19.6	23.3	21.1
90	27.1	18.4	23.1	21.9	25.1	19.9	23.6	21.4
91	27.5	18.6	23.4	22.2	25.5	20.2	24.0	21.7
92	27.9	18.9	23.8	22.5	25.8	20.5	24.3	22.0
93	28.3	19.1	24.1	22.8	26.1	20.8	24.6	22.3
94	28.7	19.3	24.4	23.1	26.5	21.1	24.9	22.6
95	29.2	19.6	24.7	23.5	26.8	21.4	25.3	22.9
96	29.6	19.8	25.1	23.8	27.2	21.7	25.6	23.3
97	30.1	20.1	25.4	24.1	27.6	22.0	26.0	23.6
98	30.5	20.3	25.8	24.5	28.0	22.3	26.3	23.9
99	31.0	20.6	26.2	24.8	28.3	22.7	26.7	24.3
100	31.5	20.8	26.5	25.2	28.7	23.0	27.1	24.6
101	32.0	21.1	26.9	25.6	29.1	23.3	27.5	25.0
102	32.5	21.4	27.3	25.9	29.6	23.7	27.9	25.4
103	33.0	21.7	27.7	26.3	30.0	24.1	28.3	25.7
104	33.6	22.0	28.1	26.7	30.4	24.4	28.7	26.1
105	34.1	22.2	28.5	27.1	30.8	24.8	29.1	26.5
106	34.7	22.5	29.0	27.5	31.3	25.2	29.5	26.9
107	35.2	22.8	29.4	28.0	31.7	25.6	30.0	27.3
108	35.8	23.1	29.8	28.4	32.2	26.0	30.4	27.7
109	36.4	23.4	30.3	28.8	32.7	26.4	30.9	28.2
110	37.0	23.8	30.7	29.3	33.2	26.8	31.3	28.6
111	37.7	24.1	31.2	29.7	33.7	27.3	31.8	29.1
112	38.3	24.4	31.7	30.2	34.2	27.7	32.3	29.5
113	39.0	24.7	32.2	30.7	34.7	28.1	32.8	30.0
114	39.7	25.1	32.7	31.2	35.2	28.6	33.3	30.5
115	40.4	25.4	33.2	31.7	35.7	29.1	33.8	30.9
116	41.1	25.8	33.7	32.2	36.3	29.6	34.4	31.4
117	41.8	26.1	34.3	32.7	36.9	30.1	34.9	32.0
118	42.5	26.5	34.8	33.2	37.4	30.6	35.4	32.5
119	43.3	26.9	35.4	33.8	38.0	31.1	36.0	33.0
120	44.1	27.3	35.9	34.3	38.6	31.6	36.6	33.6
121	44.9	27.7	36.5	34.9	39.2	32.2	37.2	34.1
122	45.7	28.1	37.1	35.5	39.9	32.7	37.8	34.7
123	46.6	28.5	37.8	36.1	40.5	33.3	38.4	35.3
124	47.5	28.9	38.4	36.7	41.2	33.9	39.1	35.9
125	48.4	29.3	39.0	37.4	41.8	34.5	39.7	36.5
126	49.3	29.7	39.7	38.0	42.5	35.1	40.4	37.1
127	50.2	30.2	40.4	38.7	43.2	35.7	41.1	37.8
128	51.2	30.7	41.1	39.3	44.0	36.4	41.8	38.4
129	52.2	31.1	41.8	40.0	44.7	37.0	42.5	39.1
130	53.2	31.6	42.5	40.8	45.5	37.7	43.2	39.8
131	54.2	32.1	43.3	41.5	46.2	38.4	44.0	40.5

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

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- (C) a westerly overhead route

Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
132	55.3	32.6	44.0	42.2	47.0	39.1	44.7	41.3
133	56.4	33.2	44.8	43.0	47.9	39.9	45.5	42.0
134	57.5	33.7	45.6	43.8	48.7	40.6	46.3	42.8
135	58.6	34.3	46.4	44.6	49.5	41.4	47.2	43.6
136	59.8	34.9	47.3	45.4	50.4	42.2	48.0	44.4
137	61.0	35.5	48.2	46.3	51.3	43.0	48.9	45.2
138	62.2	36.1	49.0	47.2	52.2	43.8	49.8	46.1
139	63.5	36.7	50.0	48.0	53.2	44.7	50.7	46.9
140	64.8	37.4	50.9	49.0	54.2	45.6	51.6	47.8
141	66.1	38.1	51.9	49.9	55.2	46.5	52.6	48.8
142	67.5	38.9	52.9	50.9	56.2	47.4	53.6	49.7
143	68.8	39.7	53.9	51.9	57.2	48.4	54.6	50.7
144	70.2	40.5	54.9	52.9	58.3	49.3	55.6	51.7
145	71.7	41.3	56.0	53.9	59.4	50.4	56.7	52.7
146	73.1	42.2	57.1	55.0	60.5	51.4	57.8	53.8
147	74.6	43.2	58.2	56.1	61.7	52.5	58.9	54.9
148	76.1	44.2	59.4	57.3	62.9	53.6	60.1	56.0
149	77.6	45.2	60.5	58.4	64.1	54.7	61.3	57.1
150	79.1	46.3	61.8	59.6	65.4	55.8	62.5	58.3
151	80.7	47.5	63.0	60.9	66.6	57.0	63.8	59.5
152	82.3	48.8	64.3	62.2	68.0	58.3	65.1	60.8
153	83.8	50.1	65.6	63.5	69.3	59.5	66.4	62.0
154	85.4	51.5	67.0	64.8	70.7	60.8	67.8	63.4
155	87.0	53.0	68.4	66.2	72.2	62.2	69.2	64.7
156	88.6	54.6	69.9	67.6	73.6	63.6	70.6	66.1
157	90.2	56.2	71.4	69.1	75.2	65.0	72.1	67.5
158	91.8	58.0	72.9	70.6	76.7	66.5	73.6	69.0
159	93.4	59.9	74.5	72.1	78.3	68.0	75.2	70.5
160	95.0	61.8	76.1	73.7	80.0	69.5	76.8	72.1
161	96.6	63.9	77.7	75.4	81.7	71.1	78.5	73.7
162	98.2	66.1	79.4	77.1	83.4	72.8	80.2	75.4
163	99.7	68.4	81.2	78.8	85.2	74.5	81.9	77.1
164	101.2	70.8	83.0	80.6	87.0	76.2	83.7	78.9
165	102.7	73.3	84.9	82.5	88.9	78.0	85.6	80.7
166	104.2	75.9	86.8	84.4	90.9	79.9	87.5	82.6
167	105.7	78.6	88.8	86.3	92.9	81.8	89.5	84.5
168	107.2	81.4	90.8	88.3	94.9	83.8	91.5	86.5
169	108.6	84.3	93.0	90.4	97.1	85.8	93.6	88.5
170	110.1	87.3	95.1	92.6	99.3	87.9	95.8	90.6
171	111.5	90.3	97.3	94.8	101.5	90.1	98.0	92.8
172	113.0	93.5	99.6	97.1	103.8	92.4	100.3	95.1
173	114.4	96.7	102.0	99.4	106.2	94.7	102.6	97.4
174	115.9	100.1	104.4	101.8	108.6	97.0	105.1	99.8
175	117.4	103.5	107.0	104.3	111.2	99.5	107.6	102.2

Easterly edge of the 200' easement

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
176	119.0	106.9	109.5	106.9	113.8	102.0	110.1	104.8
177	120.5	110.5	112.2	109.5	116.4	104.7	112.8	107.4
178	122.2	114.1	114.9	112.2	119.2	107.4	115.5	110.1
179	123.9	117.7	117.8	115.0	122.0	110.2	118.3	112.8
180	125.6	121.5	120.7	117.9	124.9	113.0	121.2	115.7
181	127.4	125.3	123.7	120.9	127.9	116.0	124.2	118.7
182	129.3	129.2	126.7	124.0	130.9	119.0	127.2	121.7
183	131.3	133.1	129.9	127.1	134.1	122.2	130.4	124.8
184	133.4	137.1	133.2	130.4	137.3	125.4	133.6	128.1
185	135.6	141.2	136.5	133.7	140.6	128.8	136.9	131.4
186	137.9	145.3	140.0	137.1	144.0	132.2	140.3	134.8
187	140.3	149.5	143.5	140.7	147.5	135.8	143.8	138.3
188	142.8	153.7	147.1	144.3	151.1	139.4	147.5	141.9
189	145.5	158.0	150.9	148.0	154.8	143.2	151.2	145.7
190	148.4	162.3	154.7	151.8	158.5	147.0	154.9	149.5
191	151.4	166.7	158.6	155.7	162.4	151.0	158.8	153.4
192	154.5	171.1	162.6	159.8	166.3	155.1	162.8	157.4
193	157.9	175.5	166.7	163.9	170.3	159.2	166.9	161.6
194	161.4	179.9	170.9	168.0	174.4	163.5	171.1	165.8
195	165.1	184.4	175.2	172.3	178.6	167.9	175.3	170.1
196	168.9	188.8	179.5	176.7	182.9	172.4	179.6	174.5
197	173.0	193.3	184.0	181.1	187.2	176.9	184.0	179.0
198	177.2	197.8	188.5	185.7	191.5	181.6	188.5	183.6
199	181.5	202.3	193.1	190.2	196.0	186.3	193.0	188.3
200	186.0	206.8	197.7	194.9	200.4	191.2	197.6	193.0
201	190.7	211.3	202.4	199.6	204.9	196.0	202.3	197.8
202	195.4	215.7	207.0	204.3	209.4	201.0	206.9	202.6
203	200.3	220.1	211.8	209.0	213.9	206.0	211.6	207.5
204	205.2	224.5	216.5	213.8	218.4	211.0	216.3	212.4
205	210.2	228.8	221.1	218.5	222.8	216.0	220.9	217.3
206	215.1	233.1	225.8	223.1	227.2	220.9	225.5	222.2
207	220.1	237.2	230.4	227.8	231.5	225.9	230.1	227.0
208	225.1	241.2	234.8	232.3	235.7	230.8	234.5	231.7
209	229.9	245.1	239.2	236.7	239.7	235.6	238.9	236.4
210	234.7	248.8	243.4	241.0	243.6	240.3	243.1	240.9
211	239.3	252.4	247.5	245.1	247.3	244.9	247.1	245.3
212	243.7	255.7	251.3	248.9	250.7	249.3	250.9	249.5
213	248.0	258.7	254.9	252.6	253.9	253.4	254.4	253.5
214	251.9	261.5	258.2	256.0	256.8	257.4	257.7	257.2
215	255.6	264.0	261.2	259.0	259.4	261.0	260.7	260.6
216	259.0	266.1	263.9	261.8	261.6	264.4	263.4	263.8
217	262.0	267.9	266.2	264.2	263.5	267.4	265.6	266.5
218	264.6	269.3	268.2	266.1	264.9	270.0	267.5	269.0
219	266.8	270.2	269.7	267.7	265.9	272.3	269.0	271.0

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Segment C - divided into four (4) sub-segments								
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Point	Standard Phasing A-B-C/C-B-A	Modified Phasing A-B-C/A-B-C	Standard Phasing A-B-C/C-B-A	Modified Phasing A-B-C/A-B-C	Standard Phasing A-B-C/C-B-A	Modified Phasing A-B-C/A-B-C	Standard Phasing A-B-C/C-B-A	Modified Phasing A-B-C/A-B-C
220	268.5	270.8	270.8	268.8	266.5	274.2	270.0	272.6
221	269.8	270.9	271.4	269.5	266.6	275.6	270.6	273.7
222	270.7	270.6	271.6	269.8	266.2	276.6	270.8	274.4
223	271.1	269.8	271.4	269.6	265.4	277.2	270.4	274.7
224	271.0	268.6	270.7	268.9	264.1	277.3	269.7	274.5
225	270.4	267.0	269.5	267.8	262.4	277.0	268.4	273.9
226	269.4	264.9	268.0	266.2	260.2	276.2	266.8	272.9
227	268.0	262.5	266.0	264.2	257.6	275.1	264.7	271.4
228	266.2	259.7	263.6	261.9	254.6	273.5	262.2	269.5
229	263.9	256.5	260.9	259.1	251.3	271.6	259.4	267.3
230	261.3	253.0	257.9	256.1	247.6	269.4	256.2	264.7
231	258.4	249.3	254.5	252.7	243.7	266.8	252.7	261.9
232	255.2	245.2	250.9	249.0	239.4	264.0	248.9	258.7
233	251.7	241.0	247.0	245.1	234.9	260.9	244.9	255.3
234	248.0	236.6	243.0	241.0	230.2	257.6	240.7	251.7
235	244.1	232.0	238.8	236.7	225.4	254.2	236.3	247.9
236	240.1	227.3	234.4	232.3	220.3	250.6	231.7	244.0
237	235.8	222.5	229.9	227.7	215.2	246.8	227.1	239.9
238	231.5	217.6	225.4	223.1	210.0	243.0	222.3	235.8
239	227.1	212.7	220.7	218.4	204.7	239.1	217.4	231.6
240	222.7	207.8	216.1	213.6	199.4	235.2	212.5	227.4
241	218.2	202.8	211.4	208.9	194.0	231.3	207.6	223.1
242	213.6	197.9	206.7	204.1	188.6	227.3	202.7	218.9
243	209.1	193.0	202.0	199.4	183.3	223.4	197.7	214.7
244	204.6	188.1	197.4	194.6	177.9	219.5	192.8	210.5
245	200.1	183.3	192.8	190.0	172.6	215.7	187.9	206.4
246	195.7	178.6	188.2	185.4	167.4	211.9	183.1	202.3
247	191.3	174.0	183.7	180.8	162.1	208.3	178.3	198.4
248	187.0	169.4	179.3	176.4	157.0	204.7	173.6	194.5
249	182.7	164.9	174.9	172.0	151.9	201.2	168.9	190.7
250	178.5	160.5	170.7	167.7	146.9	197.7	164.4	187.0
251	174.4	156.2	166.5	163.4	141.9	194.4	159.9	183.4
252	170.3	152.0	162.4	159.3	137.1	191.3	155.5	180.0
253	166.4	147.9	158.4	155.3	132.3	188.2	151.2	176.7
254	162.5	143.9	154.5	151.4	127.6	185.2	147.0	173.4
255	158.8	140.0	150.7	147.5	123.0	182.4	142.9	170.3
256	155.1	136.2	147.0	143.8	118.5	179.6	138.8	167.4
257	151.5	132.5	143.3	140.1	114.1	177.0	134.9	164.5
258	148.0	128.9	139.8	136.6	109.8	174.5	131.1	161.8
259	144.6	125.4	136.4	133.1	105.5	172.1	127.5	159.2
260	141.3	122.0	133.0	129.8	101.4	169.8	123.9	156.7
261	138.1	118.6	129.8	126.5	97.4	167.7	120.4	154.3
262	135.0	115.4	126.6	123.4	93.6	165.6	117.1	152.0
263	132.0	112.2	123.6	120.3	89.8	163.6	113.9	149.8

Centerline of the 200' easement

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
264	129.0	109.2	120.6	117.3	86.2	161.8	110.8	147.7
265	126.2	106.2	117.7	114.3	82.7	160.0	107.9	145.8
266	123.4	103.3	114.9	111.5	79.4	158.3	105.1	143.9
267	120.8	100.5	112.2	108.8	76.3	156.7	102.4	142.0
268	118.2	97.7	109.6	106.1	73.3	155.2	100.0	140.3
269	115.7	95.0	107.0	103.5	70.6	153.7	97.6	138.6
270	113.3	92.4	104.5	100.9	68.1	152.3	95.5	137.0
271	110.9	89.9	102.1	98.5	65.8	150.9	93.5	135.4
272	108.6	87.4	99.8	96.1	63.8	149.6	91.7	133.8
273	106.4	85.0	97.6	93.8	62.2	148.3	90.2	132.3
274	104.3	82.7	95.4	91.5	60.8	147.0	88.8	130.8
275	102.3	80.4	93.3	89.3	59.9	145.8	87.6	129.2
276	100.3	78.2	91.2	87.2	59.2	144.5	86.6	127.7
277	98.3	76.0	89.2	85.1	59.0	143.2	85.8	126.1
278	96.5	73.9	87.3	83.1	59.1	141.9	85.2	124.4
279	94.7	71.9	85.4	81.1	59.5	140.5	84.8	122.7
280	92.9	69.9	83.6	79.2	60.3	139.1	84.6	120.9
281	91.2	68.0	81.9	77.4	61.4	137.6	84.6	119.1
282	89.5	66.2	80.2	75.6	62.7	136.1	84.7	117.1
283	87.9	64.4	78.6	73.9	64.3	134.4	84.9	115.1
284	86.3	62.7	77.0	72.2	66.1	132.7	85.3	112.9
285	84.8	61.1	75.4	70.5	68.0	130.8	85.7	110.6
286	83.2	59.5	73.9	69.0	70.0	128.8	86.2	108.2
287	81.8	58.0	72.5	67.5	72.1	126.7	86.7	105.6
288	80.3	56.6	71.1	66.0	74.2	124.4	87.2	103.0
289	78.8	55.3	69.7	64.6	76.3	122.0	87.7	100.2
290	77.4	54.0	68.4	63.3	78.3	119.5	88.1	97.3
291	75.9	52.9	67.1	62.0	80.2	116.8	88.5	94.3
292	74.5	51.8	65.8	60.8	82.1	114.0	88.8	91.2
293	73.1	50.8	64.6	59.6	83.8	111.1	89.0	88.0
294	71.6	49.9	63.4	58.6	85.3	108.1	89.2	84.8
295	70.2	49.1	62.2	57.6	86.7	104.9	89.2	81.5
296	68.8	48.3	61.0	56.7	87.8	101.7	89.0	78.1
297	67.3	47.6	59.9	55.9	88.8	98.4	88.8	74.7
298	65.9	47.0	58.7	55.2	89.6	95.0	88.4	71.3
299	64.5	46.5	57.6	54.6	90.2	91.6	87.9	67.9
300	63.0	46.0	56.4	54.0	90.6	88.2	87.3	64.4
301	61.6	45.6	55.3	53.6	90.8	84.7	86.5	61.0
302	60.1	45.2	54.2	53.3	90.8	81.3	85.7	57.7
303	58.7	44.9	53.0	53.1	90.6	77.9	84.7	54.3
304	57.3	44.5	51.9	53.0	90.2	74.5	83.6	51.1
305	55.8	44.2	50.7	53.1	89.7	71.2	82.5	47.9
306	54.5	43.9	49.5	53.2	89.0	67.9	81.2	44.7
307	53.1	43.6	48.3	53.4	88.2	64.8	79.9	41.7

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
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- (C) a westerly overhead route

Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
308	51.8	43.3	47.1	53.7	87.3	61.7	78.5	38.8
309	50.4	43.0	45.8	54.1	86.2	58.7	77.1	36.0
310	49.2	42.7	44.6	54.6	85.1	55.8	75.6	33.3
311	47.9	42.4	43.3	55.2	83.9	53.1	74.1	30.8
312	46.7	42.0	42.0	55.8	82.6	50.4	72.6	28.5
313	45.6	41.7	40.7	56.5	81.3	47.9	71.1	26.4
314	44.4	41.3	39.4	57.2	79.9	45.5	69.5	24.6
315	43.4	40.9	38.1	58.0	78.5	43.3	68.0	23.0
316	42.3	40.5	36.7	58.8	77.1	41.1	66.4	21.7
317	41.3	40.1	35.4	59.6	75.7	39.1	64.9	20.7
318	40.4	39.6	34.1	60.4	74.2	37.2	63.4	20.1
319	39.5	39.2	32.7	61.2	72.8	35.4	61.9	19.9
320	38.6	38.7	31.4	62.0	71.4	33.7	60.5	20.0
321	37.7	38.3	30.1	62.8	70.0	32.2	59.1	20.5
322	36.9	37.8	28.9	63.6	68.6	30.7	57.7	21.2
323	36.2	37.3	27.7	64.4	67.3	29.3	56.3	22.2
324	35.4	36.8	26.5	65.2	66.0	28.0	55.0	23.3
325	34.7	36.3	25.4	65.9	64.7	26.8	53.7	24.6
326	34.1	35.8	24.4	66.6	63.4	25.7	52.5	26.1
327	33.4	35.3	23.5	67.3	62.2	24.7	51.3	27.5
328	32.8	34.8	22.7	67.9	60.9	23.7	50.1	29.1
329	32.2	34.3	22.0	68.5	59.8	22.8	48.9	30.6
330	31.6	33.8	21.5	69.0	58.6	21.9	47.7	32.2
331	31.1	33.3	21.1	69.4	57.5	21.1	46.6	33.7
332	30.6	32.8	20.9	69.8	56.4	20.4	45.5	35.1
333	30.1	32.3	20.9	70.1	55.4	19.7	44.4	36.6
334	29.6	31.8	21.1	70.4	54.3	19.0	43.4	37.9
335	29.1	31.4	21.5	70.5	53.3	18.4	42.4	39.1
336	28.6	30.9	22.0	70.5	52.3	17.8	41.4	40.3
337	28.2	30.4	22.7	70.5	51.4	17.3	40.5	41.3
338	27.8	30.0	23.6	70.3	50.5	16.7	39.7	42.2
339	27.4	29.5	24.5	70.0	49.6	16.2	38.9	43.0
340	27.0	29.1	25.5	69.5	48.7	15.8	38.2	43.6
341	26.6	28.6	26.6	69.0	47.8	15.4	37.6	44.1
342	26.2	28.2	27.7	68.3	47.0	14.9	37.0	44.5
343	25.8	27.8	28.8	67.5	46.2	14.6	36.6	44.7
344	25.5	27.3	29.9	66.5	45.4	14.2	36.2	44.8
345	25.1	26.9	30.9	65.5	44.6	13.8	35.9	44.8
346	24.8	26.5	32.0	64.3	43.8	13.5	35.7	44.7
347	24.4	26.1	32.9	63.0	43.1	13.2	35.6	44.4
348	24.1	25.7	33.8	61.6	42.4	12.9	35.5	44.0
349	23.8	25.4	34.7	60.1	41.7	12.6	35.5	43.5
350	23.5	25.0	35.4	58.6	41.0	12.3	35.4	43.0
351	23.2	24.6	36.1	56.9	40.3	12.1	35.4	42.3

Westerly edge of the 200' easement

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
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- (C) a westerly overhead route

Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
352	22.9	24.3	36.6	55.2	39.7	11.8	35.4	41.6
353	22.6	23.9	37.1	53.5	39.1	11.6	35.5	40.9
354	22.3	23.6	37.5	51.7	38.4	11.4	35.5	40.1
355	22.0	23.2	37.8	50.0	37.8	11.2	35.4	39.2
356	21.7	22.9	38.0	48.2	37.2	11.0	35.4	38.4
357	21.5	22.6	38.1	46.4	36.6	10.8	35.3	37.5
358	21.2	22.2	38.2	44.6	36.1	10.6	35.2	36.6
359	20.9	21.9	38.1	42.8	35.5	10.4	35.1	35.7
360	20.7	21.6	38.0	41.1	35.0	10.2	34.9	34.8
361	20.4	21.3	37.9	39.4	34.4	10.1	34.7	33.9
362	20.2	21.0	37.7	37.7	33.9	9.9	34.5	33.0
363	19.9	20.7	37.4	36.1	33.4	9.8	34.2	32.1
364	19.7	20.4	37.1	34.5	32.9	9.6	33.9	31.3
365	19.5	20.2	36.8	32.9	32.4	9.5	33.6	30.4
366	19.2	19.9	36.4	31.5	32.0	9.4	33.3	29.6
367	19.0	19.6	36.0	30.0	31.5	9.2	32.9	28.8
368	18.8	19.4	35.6	28.7	31.0	9.1	32.6	28.1
369	18.6	19.1	35.1	27.4	30.6	9.0	32.2	27.3
370	18.4	18.8	34.7	26.1	30.1	8.9	31.8	26.6
371	18.1	18.6	34.2	24.9	29.7	8.8	31.4	25.9
372	17.9	18.3	33.7	23.8	29.3	8.7	31.0	25.3
373	17.7	18.1	33.2	22.7	28.9	8.6	30.5	24.6
374	17.5	17.9	32.7	21.6	28.5	8.5	30.1	24.0
375	17.3	17.6	32.2	20.6	28.1	8.4	29.7	23.4
376	17.1	17.4	31.7	19.7	27.7	8.3	29.2	22.9
377	17.0	17.2	31.1	18.8	27.3	8.2	28.8	22.3
378	16.8	17.0	30.6	18.0	26.9	8.1	28.4	21.8
379	16.6	16.8	30.1	17.2	26.6	8.0	27.9	21.3
380	16.4	16.6	29.6	16.5	26.2	7.9	27.5	20.8
381	16.2	16.4	29.1	15.8	25.9	7.8	27.1	20.3
382	16.0	16.1	28.6	15.1	25.5	7.8	26.6	19.9
383	15.9	16.0	28.2	14.5	25.2	7.7	26.2	19.5
384	15.7	15.8	27.7	13.9	24.8	7.6	25.8	19.0
385	15.5	15.6	27.2	13.3	24.5	7.5	25.4	18.7
386	15.4	15.4	26.7	12.8	24.2	7.5	25.0	18.3
387	15.2	15.2	26.3	12.3	23.9	7.4	24.6	17.9
388	15.0	15.0	25.8	11.9	23.6	7.3	24.2	17.6
389	14.9	14.8	25.4	11.5	23.3	7.3	23.8	17.2
390	14.7	14.7	25.0	11.1	23.0	7.2	23.5	16.9
391	14.6	14.5	24.6	10.7	22.7	7.1	23.1	16.6
392	14.4	14.3	24.1	10.4	22.4	7.1	22.7	16.3
393	14.3	14.2	23.7	10.1	22.1	7.0	22.4	16.0
394	14.1	14.0	23.4	9.8	21.9	7.0	22.0	15.7
395	14.0	13.8	23.0	9.5	21.6	6.9	21.7	15.4

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

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Alternatives 2, 3 and 4 are divided into three distinct segments:

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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
396	13.8	13.7	22.6	9.2	21.3	6.8	21.4	15.2
397	13.7	13.5	22.2	9.0	21.1	6.8	21.1	14.9
398	13.6	13.4	21.9	8.8	20.8	6.7	20.7	14.7
399	13.4	13.2	21.5	8.6	20.6	6.7	20.4	14.4
400	13.3	13.1	21.2	8.4	20.3	6.6	20.1	14.2
401	13.2	12.9	20.8	8.2	20.1	6.6	19.8	14.0
402	13.0	12.8	20.5	8.1	19.8	6.5	19.5	13.8
403	12.9	12.6	20.2	7.9	19.6	6.5	19.3	13.5
404	12.8	12.5	19.9	7.8	19.4	6.4	19.0	13.3
405	12.7	12.4	19.6	7.6	19.1	6.4	18.7	13.1
406	12.5	12.2	19.3	7.5	18.9	6.3	18.4	13.0
407	12.4	12.1	19.0	7.4	18.7	6.3	18.2	12.8
408	12.3	12.0	18.7	7.3	18.5	6.2	17.9	12.6
409	12.2	11.8	18.4	7.2	18.3	6.2	17.7	12.4
410	12.1	11.7	18.2	7.1	18.1	6.1	17.4	12.2
411	11.9	11.6	17.9	7.0	17.9	6.1	17.2	12.1
412	11.8	11.5	17.6	7.0	17.7	6.0	17.0	11.9
413	11.7	11.4	17.4	6.9	17.5	6.0	16.7	11.8
414	11.6	11.2	17.1	6.8	17.3	5.9	16.5	11.6
415	11.5	11.1	16.9	6.8	17.1	5.9	16.3	11.5
416	11.4	11.0	16.7	6.7	16.9	5.9	16.1	11.3
417	11.3	10.9	16.4	6.6	16.7	5.8	15.9	11.2
418	11.2	10.8	16.2	6.6	16.5	5.8	15.7	11.0
419	11.1	10.7	16.0	6.5	16.3	5.7	15.5	10.9
420	11.0	10.6	15.8	6.5	16.2	5.7	15.3	10.8
421	10.9	10.5	15.6	6.4	16.0	5.6	15.1	10.6
422	10.8	10.4	15.4	6.4	15.8	5.6	14.9	10.5
423	10.7	10.3	15.2	6.4	15.7	5.6	14.7	10.4
424	10.6	10.2	15.0	6.3	15.5	5.5	14.5	10.3
425	10.5	10.1	14.8	6.3	15.3	5.5	14.4	10.1
426	10.4	10.0	14.6	6.2	15.2	5.4	14.2	10.0
427	10.3	9.9	14.4	6.2	15.0	5.4	14.0	9.9
428	10.2	9.8	14.2	6.2	14.9	5.4	13.9	9.8
429	10.1	9.7	14.0	6.1	14.7	5.3	13.7	9.7
430	10.0	9.6	13.9	6.1	14.5	5.3	13.5	9.6
431	9.9	9.5	13.7	6.1	14.4	5.3	13.4	9.5
432	9.9	9.4	13.5	6.0	14.3	5.2	13.2	9.4
433	9.8	9.3	13.4	6.0	14.1	5.2	13.1	9.3
434	9.7	9.2	13.2	6.0	14.0	5.2	12.9	9.2
435	9.6	9.1	13.0	5.9	13.8	5.1	12.8	9.1
436	9.5	9.1	12.9	5.9	13.7	5.1	12.6	9.0
437	9.4	9.0	12.7	5.9	13.6	5.0	12.5	8.9
438	9.4	8.9	12.6	5.8	13.4	5.0	12.4	8.8
439	9.3	8.8	12.4	5.8	13.3	5.0	12.2	8.7

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Segment C - divided into four (4) sub-segments								
Point	(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement	
	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
440	9.2	8.7	12.3	5.8	13.2	4.9	12.1	8.6
441	9.1	8.6	12.1	5.8	13.0	4.9	12.0	8.5
442	9.0	8.6	12.0	5.7	12.9	4.9	11.8	8.5
443	9.0	8.5	11.9	5.7	12.8	4.8	11.7	8.4
444	8.9	8.4	11.7	5.7	12.7	4.8	11.6	8.3
445	8.8	8.3	11.6	5.6	12.5	4.8	11.5	8.2
446	8.7	8.3	11.5	5.6	12.4	4.7	11.3	8.1
447	8.7	8.2	11.4	5.6	12.3	4.7	11.2	8.1
448	8.6	8.1	11.2	5.6	12.2	4.7	11.1	8.0
449	8.5	8.1	11.1	5.5	12.1	4.7	11.0	7.9
450	8.5	8.0	11.0	5.5	12.0	4.6	10.9	7.8
451	8.4	7.9	10.9	5.5	11.9	4.6	10.8	7.8
452	8.3	7.8	10.8	5.4	11.7	4.6	10.7	7.7
453	8.3	7.8	10.7	5.4	11.6	4.5	10.6	7.6
454	8.2	7.7	10.5	5.4	11.5	4.5	10.5	7.5
455	8.1	7.6	10.4	5.4	11.4	4.5	10.3	7.5
456	8.1	7.6	10.3	5.3	11.3	4.4	10.2	7.4
457	8.0	7.5	10.2	5.3	11.2	4.4	10.1	7.3
458	7.9	7.4	10.1	5.3	11.1	4.4	10.0	7.3
459	7.9	7.4	10.0	5.3	11.0	4.4	10.0	7.2
460	7.8	7.3	9.9	5.2	10.9	4.3	9.9	7.1
461	7.7	7.3	9.8	5.2	10.8	4.3	9.8	7.1
462	7.7	7.2	9.7	5.2	10.7	4.3	9.7	7.0
463	7.6	7.1	9.6	5.1	10.6	4.3	9.6	7.0
464	7.6	7.1	9.5	5.1	10.5	4.2	9.5	6.9
465	7.5	7.0	9.4	5.1	10.5	4.2	9.4	6.8
466	7.5	7.0	9.3	5.1	10.4	4.2	9.3	6.8
467	7.4	6.9	9.3	5.0	10.3	4.1	9.2	6.7
468	7.3	6.9	9.2	5.0	10.2	4.1	9.1	6.7
469	7.3	6.8	9.1	5.0	10.1	4.1	9.1	6.6
470	7.2	6.7	9.0	5.0	10.0	4.1	9.0	6.6
471	7.2	6.7	8.9	4.9	9.9	4.0	8.9	6.5
472	7.1	6.6	8.8	4.9	9.8	4.0	8.8	6.4
473	7.1	6.6	8.7	4.9	9.8	4.0	8.7	6.4
474	7.0	6.5	8.7	4.9	9.7	4.0	8.7	6.3
475	7.0	6.5	8.6	4.8	9.6	3.9	8.6	6.3
476	6.9	6.4	8.5	4.8	9.5	3.9	8.5	6.2
477	6.9	6.4	8.4	4.8	9.4	3.9	8.4	6.2
478	6.8	6.3	8.4	4.8	9.4	3.9	8.4	6.1
479	6.8	6.3	8.3	4.7	9.3	3.8	8.3	6.1
480	6.7	6.2	8.2	4.7	9.2	3.8	8.2	6.0
481	6.7	6.2	8.1	4.7	9.1	3.8	8.2	6.0
482	6.6	6.1	8.1	4.7	9.1	3.8	8.1	6.0
483	6.6	6.1	8.0	4.6	9.0	3.8	8.0	5.9

Summary of calculated values for proposed Alternatives 2, 3 and 4, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternatives 2, 3 and 4 are divided into three distinct segments:

- (A) an initial easterly overhead route from Sycamore Canyon Substation following a portion of original Segment A
- (B) a middle underground route
- (C) a westerly overhead route

Segment C - divided into four (4) sub-segments								
(1) Carroll Cyn Rd - Mira Sorrento Pl 200' easement		(2) Mira Sorrento Pl - Wateridge Cir 200' easement		(3) Wateridge Cir - Sorrento Valley Bl 200' easement		(4) Sorrento Valley Bl - PQ Substation 200' easement		
Point	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/A-B-C
484	6.5	6.0	7.9	4.6	8.9	3.7	8.0	5.9
485	6.5	6.0	7.9	4.6	8.8	3.7	7.9	5.8
486	6.4	6.0	7.8	4.6	8.8	3.7	7.8	5.8
487	6.4	5.9	7.7	4.5	8.7	3.7	7.8	5.7
488	6.3	5.9	7.7	4.5	8.6	3.6	7.7	5.7
489	6.3	5.8	7.6	4.5	8.6	3.6	7.6	5.6
490	6.2	5.8	7.5	4.5	8.5	3.6	7.6	5.6
491	6.2	5.7	7.5	4.4	8.4	3.6	7.5	5.6
492	6.2	5.7	7.4	4.4	8.4	3.6	7.4	5.5
493	6.1	5.7	7.3	4.4	8.3	3.5	7.4	5.5
494	6.1	5.6	7.3	4.4	8.2	3.5	7.3	5.4
495	6.0	5.6	7.2	4.3	8.2	3.5	7.3	5.4
496	6.0	5.5	7.2	4.3	8.1	3.5	7.2	5.3
497	5.9	5.5	7.1	4.3	8.1	3.5	7.2	5.3
498	5.9	5.4	7.0	4.3	8.0	3.4	7.1	5.3
499	5.9	5.4	7.0	4.2	7.9	3.4	7.0	5.2
500	5.8	5.4	6.9	4.2	7.9	3.4	7.0	5.2

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	0	8.9	8.7	0.4	0.0	7.7	5.8
	1	9.0	8.7	0.4	0.0	7.7	5.9
	2	9.1	8.8	0.4	0.0	7.8	5.9
	3	9.1	8.9	0.4	0.0	7.9	5.9
	4	9.2	9.0	0.4	0.0	7.9	6.0
	5	9.3	9.0	0.4	0.0	8.0	6.0
	6	9.4	9.1	0.4	0.0	8.0	6.1
	7	9.5	9.2	0.4	0.0	8.1	6.1
	8	9.5	9.3	0.4	0.0	8.2	6.2
	9	9.6	9.3	0.4	0.0	8.2	6.2
	10	9.7	9.4	0.4	0.0	8.3	6.3
	11	9.8	9.5	0.4	0.0	8.4	6.3
	12	9.9	9.6	0.4	0.0	8.4	6.4
	13	10.0	9.7	0.4	0.0	8.5	6.4
	14	10.0	9.7	0.4	0.0	8.6	6.5
	15	10.1	9.8	0.4	0.0	8.6	6.5
	16	10.2	9.9	0.4	0.0	8.7	6.6
	17	10.3	10.0	0.4	0.0	8.8	6.6
	18	10.4	10.1	0.4	0.0	8.8	6.7
	19	10.5	10.2	0.4	0.0	8.9	6.8
	20	10.6	10.3	0.4	0.0	9.0	6.8
	21	10.7	10.4	0.4	0.0	9.1	6.9
	22	10.8	10.4	0.4	0.0	9.1	6.9
	23	10.9	10.5	0.4	0.0	9.2	7.0
	24	11.0	10.6	0.4	0.0	9.3	7.0
	25	11.1	10.7	0.4	0.0	9.4	7.1
	26	11.2	10.8	0.4	0.0	9.4	7.2
	27	11.3	10.9	0.4	0.0	9.5	7.2
	28	11.4	11.0	0.4	0.0	9.6	7.3
	29	11.5	11.1	0.4	0.0	9.7	7.3
	30	11.6	11.2	0.5	0.0	9.8	7.4
	31	11.7	11.3	0.5	0.0	9.8	7.5
	32	11.9	11.4	0.5	0.0	9.9	7.5
	33	12.0	11.5	0.5	0.0	10.0	7.6
	34	12.1	11.6	0.5	0.0	10.1	7.7
	35	12.2	11.7	0.5	0.0	10.2	7.7
	36	12.3	11.9	0.5	0.0	10.3	7.8

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	37	12.4	12.0	0.5	0.0	10.4	7.9
	38	12.6	12.1	0.5	0.0	10.5	7.9
	39	12.7	12.2	0.5	0.0	10.5	8.0
	40	12.8	12.3	0.5	0.0	10.6	8.1
	41	12.9	12.4	0.5	0.0	10.7	8.2
	42	13.1	12.6	0.5	0.0	10.8	8.2
	43	13.2	12.7	0.5	0.0	10.9	8.3
	44	13.3	12.8	0.5	0.0	11.0	8.4
	45	13.5	12.9	0.5	0.0	11.1	8.5
	46	13.6	13.1	0.5	0.0	11.2	8.5
	47	13.8	13.2	0.5	0.0	11.3	8.6
	48	13.9	13.3	0.5	0.0	11.4	8.7
	49	14.1	13.4	0.5	0.0	11.5	8.8
	50	14.2	13.6	0.5	0.0	11.6	8.9
	51	14.3	13.7	0.5	0.0	11.7	9.0
	52	14.5	13.9	0.6	0.0	11.9	9.0
	53	14.7	14.0	0.6	0.0	12.0	9.1
	54	14.8	14.1	0.6	0.0	12.1	9.2
	55	15.0	14.3	0.6	0.0	12.2	9.3
	56	15.1	14.4	0.6	0.0	12.3	9.4
	57	15.3	14.6	0.6	0.0	12.4	9.5
	58	15.5	14.7	0.6	0.0	12.5	9.6
	59	15.6	14.9	0.6	0.0	12.7	9.7
	60	15.8	15.0	0.6	0.0	12.8	9.8
	61	16.0	15.2	0.6	0.0	12.9	9.9
	62	16.2	15.4	0.6	0.0	13.0	10.0
	63	16.3	15.5	0.6	0.0	13.2	10.1
	64	16.5	15.7	0.6	0.0	13.3	10.2
	65	16.7	15.9	0.6	0.0	13.4	10.3
	66	16.9	16.0	0.6	0.0	13.6	10.4
	67	17.1	16.2	0.6	0.0	13.7	10.5
	68	17.3	16.4	0.7	0.0	13.8	10.6
	69	17.5	16.6	0.7	0.0	14.0	10.7
	70	17.7	16.7	0.7	0.0	14.1	10.8
	71	17.9	16.9	0.7	0.0	14.3	10.9
	72	18.1	17.1	0.7	0.0	14.4	11.0
	73	18.3	17.3	0.7	0.0	14.5	11.2

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
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Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	74	18.6	17.5	0.7	0.0	14.7	11.3
	75	18.8	17.7	0.7	0.0	14.9	11.4
	76	19.0	17.9	0.7	0.0	15.0	11.5
	77	19.2	18.1	0.7	0.0	15.2	11.6
	78	19.5	18.3	0.7	0.0	15.3	11.8
	79	19.7	18.5	0.7	0.0	15.5	11.9
	80	20.0	18.7	0.8	0.0	15.7	12.0
	81	20.2	18.9	0.8	0.0	15.8	12.2
	82	20.5	19.2	0.8	0.0	16.0	12.3
	83	20.7	19.4	0.8	0.0	16.2	12.4
	84	21.0	19.6	0.8	0.0	16.3	12.6
	85	21.2	19.8	0.8	0.0	16.5	12.7
	86	21.5	20.1	0.8	0.0	16.7	12.9
	87	21.8	20.3	0.8	0.0	16.9	13.0
	88	22.1	20.6	0.8	0.0	17.1	13.1
	89	22.4	20.8	0.8	0.0	17.3	13.3
	90	22.7	21.1	0.8	0.0	17.5	13.5
	91	23.0	21.3	0.9	0.0	17.7	13.6
	92	23.3	21.6	0.9	0.0	17.9	13.8
	93	23.6	21.8	0.9	0.0	18.1	13.9
	94	23.9	22.1	0.9	0.0	18.3	14.1
	95	24.2	22.4	0.9	0.0	18.5	14.3
	96	24.5	22.7	0.9	0.0	18.7	14.4
	97	24.9	22.9	0.9	0.0	18.9	14.6
	98	25.2	23.2	0.9	0.0	19.1	14.8
	99	25.6	23.5	0.9	0.0	19.4	15.0
Segment D Edge ROW	100	25.9	23.8	1.0	0.0	19.6	15.2
	101	26.3	24.1	1.0	0.0	19.8	15.3
	102	26.7	24.4	1.0	0.0	20.1	15.5
	103	27.1	24.8	1.0	0.0	20.3	15.7
	104	27.4	25.1	1.0	0.0	20.6	15.9
	105	27.8	25.4	1.0	0.0	20.8	16.1
	106	28.2	25.7	1.0	0.0	21.1	16.3
	107	28.7	26.1	1.1	0.0	21.3	16.5
	108	29.1	26.4	1.1	0.0	21.6	16.8
	109	29.5	26.8	1.1	0.0	21.9	17.0
	110	29.9	27.1	1.1	0.0	22.1	17.2

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	111	30.4	27.5	1.1	0.0	22.4	17.4
	112	30.9	27.9	1.1	0.0	22.7	17.7
	113	31.3	28.3	1.2	0.0	23.0	17.9
	114	31.8	28.7	1.2	0.0	23.3	18.1
	115	32.3	29.0	1.2	0.0	23.6	18.4
	116	32.8	29.4	1.2	0.0	23.9	18.6
	117	33.3	29.9	1.2	0.0	24.2	18.9
	118	33.8	30.3	1.2	0.0	24.6	19.2
	119	34.4	30.7	1.3	0.0	24.9	19.4
	120	34.9	31.1	1.3	0.0	25.2	19.7
	121	35.5	31.6	1.3	0.0	25.6	20.0
	122	36.0	32.0	1.3	0.0	25.9	20.3
	123	36.6	32.5	1.3	0.0	26.3	20.6
	124	37.2	32.9	1.4	0.0	26.7	20.9
	125	37.9	33.4	1.4	0.0	27.0	21.2
	126	38.5	33.9	1.4	0.0	27.4	21.5
	127	39.1	34.4	1.4	0.0	27.8	21.8
	128	39.8	34.9	1.4	0.0	28.2	22.1
	129	40.5	35.4	1.5	0.0	28.6	22.5
	130	41.2	35.9	1.5	0.0	29.0	22.8
	131	41.9	36.5	1.5	0.0	29.5	23.1
	132	42.6	37.0	1.5	0.0	29.9	23.5
	133	43.3	37.6	1.6	0.0	30.4	23.9
	134	44.1	38.1	1.6	0.0	30.8	24.3
	135	44.9	38.7	1.6	0.0	31.3	24.6
	136	45.7	39.3	1.7	0.0	31.8	25.0
	137	46.5	39.9	1.7	0.0	32.3	25.4
	138	47.4	40.5	1.7	0.0	32.8	25.9
	139	48.2	41.2	1.7	0.0	33.3	26.3
	140	49.1	41.8	1.8	0.0	33.8	26.7
	141	50.0	42.4	1.8	0.0	34.4	27.2
	142	51.0	43.1	1.8	0.0	34.9	27.7
	143	51.9	43.8	1.9	0.0	35.5	28.1
	144	52.9	44.5	1.9	0.0	36.1	28.6
	145	53.9	45.2	2.0	0.0	36.7	29.1
	146	54.9	45.9	2.0	0.0	37.3	29.7
	147	56.0	46.6	2.0	0.0	38.0	30.2

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

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Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	148	57.1	47.4	2.1	0.0	38.6	30.7
	149	58.2	48.1	2.1	0.0	39.3	31.3
Segment A Edge ROW	150	59.4	48.9	2.2	0.0	40.0	31.9
	151	60.6	49.7	2.2	0.0	40.7	32.5
	152	61.8	50.5	2.2	0.0	41.5	33.1
	153	63.0	51.3	2.3	0.0	42.2	33.8
	154	64.3	52.1	2.3	0.0	43.0	34.5
	155	65.7	53.0	2.4	0.1	43.8	35.1
	156	67.0	53.9	2.4	0.1	44.7	35.9
	157	68.4	54.7	2.5	0.1	45.5	36.6
	158	69.8	55.6	2.5	0.1	46.4	37.4
	159	71.3	56.5	2.6	0.1	47.4	38.1
	160	72.8	57.5	2.6	0.1	48.3	39.0
	161	74.4	58.4	2.7	0.1	49.3	39.8
	162	76.0	59.4	2.8	0.1	50.3	40.7
	163	77.7	60.4	2.8	0.1	51.4	41.6
	164	79.4	61.4	2.9	0.1	52.5	42.6
	165	81.1	62.4	3.0	0.1	53.6	43.6
	166	82.9	63.4	3.0	0.1	54.8	44.6
	167	84.8	64.5	3.1	0.1	56.0	45.6
	168	86.7	65.5	3.2	0.1	57.3	46.8
	169	88.6	66.6	3.3	0.1	58.7	47.9
	170	90.7	67.7	3.3	0.1	60.0	49.1
	171	92.7	68.8	3.4	0.1	61.5	50.4
	172	94.9	69.9	3.5	0.1	63.0	51.7
	173	97.1	71.1	3.6	0.1	64.5	53.1
	174	99.3	72.3	3.7	0.1	66.2	54.5
	175	101.7	73.4	3.8	0.1	67.9	56.0
	176	104.1	74.6	3.9	0.1	69.6	57.6
	177	106.5	75.8	4.0	0.1	71.5	59.2
	178	109.1	77.0	4.1	0.1	73.4	60.9
	179	111.7	78.2	4.2	0.1	75.4	62.7
	180	114.4	79.5	4.4	0.1	77.5	64.6
	181	117.1	80.7	4.5	0.1	79.7	66.6
	182	119.9	82.0	4.6	0.1	82.0	68.6
	183	122.8	83.2	4.7	0.1	84.3	70.8
	184	125.8	84.5	4.9	0.1	86.8	73.0

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	185	128.9	85.8	5.0	0.1	89.4	75.3
	186	132.0	87.0	5.2	0.2	92.1	77.8
	187	135.2	88.3	5.4	0.2	94.9	80.3
	188	138.5	89.6	5.5	0.2	97.8	82.9
	189	141.9	90.8	5.7	0.2	100.9	85.7
	190	145.3	92.1	5.9	0.2	104.0	88.5
	191	148.9	93.3	6.1	0.2	107.2	91.5
	192	152.5	94.5	6.3	0.2	110.6	94.5
	193	156.1	95.8	6.5	0.2	114.0	97.7
	194	159.8	96.9	6.8	0.2	117.6	100.9
	195	163.6	98.1	7.0	0.2	121.2	104.2
	196	167.5	99.3	7.2	0.2	125.0	107.6
	197	171.4	100.4	7.5	0.3	128.8	111.1
	198	175.3	101.5	7.8	0.3	132.6	114.7
	199	179.2	102.5	8.1	0.3	136.6	118.3
Segments B & C Edge ROW	200	183.2	103.5	8.4	0.3	140.6	121.9
	201	187.1	104.5	8.8	0.3	144.6	125.6
	202	191.1	105.4	9.1	0.3	148.6	129.3
	203	195.0	106.2	9.5	0.4	152.7	133.0
	204	198.9	107.0	9.9	0.4	156.7	136.7
	205	202.7	107.7	10.3	0.4	160.7	140.4
	206	206.4	108.4	10.8	0.4	164.8	144.1
	207	210.0	108.9	11.3	0.5	168.7	147.8
	208	213.4	109.4	11.8	0.5	172.7	151.4
	209	216.7	109.8	12.4	0.5	176.6	155.0
	210	219.8	110.2	13.0	0.6	180.4	158.5
	211	222.6	110.4	13.6	0.6	184.2	162.0
	212	225.2	110.5	14.3	0.7	188.0	165.4
	213	227.5	110.5	15.1	0.7	191.6	168.8
	214	229.4	110.4	15.9	0.8	195.2	172.1
	215	231.0	110.3	16.7	0.9	198.8	175.3
	216	232.2	110.0	17.7	0.9	202.2	178.5
	217	233.1	109.5	18.7	1.0	205.6	181.6
	218	233.4	109.0	19.8	1.1	209.0	184.7
	219	233.4	108.4	21.1	1.2	212.3	187.7
	220	232.8	107.6	22.4	1.3	215.5	190.6
	221	231.8	106.7	23.8	1.5	218.7	193.5

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	222	230.4	105.7	25.4	1.6	221.9	196.4
	223	228.4	104.6	27.2	1.8	225.1	199.2
	224	226.0	103.4	29.1	2.0	228.2	202.0
	225	223.2	102.1	31.3	2.2	231.3	204.9
	226	219.9	100.6	33.7	2.4	234.5	207.7
	227	216.3	99.1	36.3	2.7	237.6	210.5
	228	212.2	97.4	39.3	3.1	240.8	213.4
	229	207.8	95.7	42.7	3.5	244.1	216.2
	230	203.0	93.9	46.4	3.9	247.4	219.2
	231	198.0	91.9	50.7	4.5	250.7	222.2
	232	192.7	89.9	55.5	5.1	254.1	225.2
	233	187.1	87.9	60.9	5.9	257.6	228.3
	234	181.4	85.7	67.2	6.8	261.1	231.5
	235	175.5	83.5	74.3	8.0	264.7	234.7
	236	169.5	81.2	82.5	9.3	268.3	238.0
	237	163.4	78.9	92.0	10.9	272.0	241.3
	238	157.3	76.5	102.9	13.0	275.7	244.7
	239	151.1	74.1	115.5	15.4	279.3	248.1
	240	144.8	71.7	130.0	18.4	283.0	251.4
	241	138.6	69.2	146.6	22.1	286.6	254.7
	242	132.5	66.8	165.5	26.5	290.1	258.0
	243	126.4	64.3	186.7	31.8	293.6	261.2
	244	120.4	61.8	209.9	38.0	296.8	264.2
	245	114.4	59.3	234.4	45.1	299.9	267.1
	246	108.6	56.9	259.0	52.6	302.8	269.8
	247	102.9	54.5	281.7	60.0	305.4	272.2
	248	97.3	52.1	300.5	66.4	307.7	274.4
	249	91.8	49.7	312.9	70.9	309.6	276.2
Centerline of calculations	250	86.5	47.4	317.2	72.4	311.2	277.8
	251	81.3	45.2	312.9	70.9	312.5	278.9
	252	76.3	43.1	300.5	66.4	313.3	279.7
	253	71.4	41.1	281.7	60.0	313.7	280.0
	254	66.6	39.3	259.0	52.6	313.7	280.0
	255	62.0	37.6	234.4	45.1	313.2	279.4
	256	57.6	36.1	209.9	38.0	312.3	278.4
	257	53.3	34.8	186.7	31.8	311.0	277.0
	258	49.2	33.7	165.5	26.5	309.2	275.1

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	259	45.3	32.9	146.6	22.1	307.1	272.8
	260	41.5	32.4	130.0	18.4	304.6	270.1
	261	38.0	32.1	115.5	15.4	301.8	267.0
	262	34.8	32.2	102.9	13.0	298.7	263.5
	263	31.9	32.6	92.0	10.9	295.3	259.6
	264	29.3	33.3	82.5	9.3	291.6	255.4
	265	27.2	34.3	74.3	8.0	287.8	251.0
	266	25.6	35.5	67.2	6.8	283.8	246.2
	267	24.6	36.9	60.9	5.9	279.6	241.3
	268	24.2	38.5	55.5	5.1	275.4	236.1
	269	24.4	40.3	50.7	4.5	271.0	230.8
	270	25.2	42.2	46.4	3.9	266.6	225.4
	271	26.5	44.2	42.7	3.5	262.2	219.8
	272	28.2	46.3	39.3	3.1	257.7	214.2
	273	30.2	48.5	36.3	2.7	253.2	208.6
	274	32.4	50.6	33.7	2.4	248.7	202.9
	275	34.8	52.8	31.3	2.2	244.2	197.2
	276	37.2	55.0	29.1	2.0	239.8	191.6
	277	39.7	57.1	27.2	1.8	235.3	186.0
	278	42.2	59.2	25.4	1.6	230.9	180.5
	279	44.7	61.3	23.8	1.5	226.5	175.1
	280	47.1	63.3	22.4	1.3	222.1	169.7
	281	49.5	65.2	21.1	1.2	217.7	164.5
	282	51.8	67.0	19.8	1.1	213.4	159.5
	283	53.9	68.7	18.7	1.0	209.1	154.5
	284	56.0	70.3	17.7	0.9	204.8	149.7
	285	58.0	71.8	16.7	0.9	200.6	145.0
	286	59.8	73.2	15.9	0.8	196.4	140.5
	287	61.6	74.4	15.1	0.7	192.3	136.2
	288	63.2	75.6	14.3	0.7	188.1	132.0
	289	64.7	76.7	13.6	0.6	184.1	128.0
	290	66.1	77.6	13.0	0.6	180.1	124.1
	291	67.4	78.5	12.4	0.5	176.1	120.3
	292	68.6	79.3	11.8	0.5	172.2	116.7
	293	69.7	80.0	11.3	0.5	168.4	113.3
	294	70.7	80.6	10.8	0.4	164.6	109.9
	295	71.6	81.2	10.3	0.4	160.9	106.8

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	296	72.5	81.7	9.9	0.4	157.3	103.7
	297	73.2	82.1	9.5	0.4	153.7	100.8
	298	74.0	82.5	9.1	0.3	150.2	97.9
	299	74.6	82.8	8.8	0.3	146.8	95.2
Segment C Edge ROW	300	75.2	83.1	8.4	0.3	143.5	92.6
	301	75.7	83.3	8.1	0.3	140.2	90.1
	302	76.2	83.5	7.8	0.3	137.0	87.7
	303	76.6	83.7	7.5	0.3	133.9	85.4
	304	77.0	83.7	7.2	0.2	130.8	83.2
	305	77.3	83.7	7.0	0.2	127.9	81.1
	306	77.5	83.7	6.8	0.2	125.0	79.0
	307	77.6	83.6	6.5	0.2	122.1	77.0
	308	77.7	83.4	6.3	0.2	119.4	75.1
	309	77.7	83.2	6.1	0.2	116.7	73.3
	310	77.6	82.9	5.9	0.2	114.1	71.5
	311	77.5	82.5	5.7	0.2	111.5	69.8
	312	77.2	82.0	5.5	0.2	109.1	68.1
	313	76.9	81.5	5.4	0.2	106.6	66.5
	314	76.6	80.9	5.2	0.2	104.3	65.0
	315	76.1	80.3	5.0	0.1	102.0	63.5
	316	75.6	79.6	4.9	0.1	99.8	62.1
	317	75.0	78.8	4.7	0.1	97.6	60.7
	318	74.4	78.0	4.6	0.1	95.5	59.4
	319	73.7	77.1	4.5	0.1	93.5	58.0
Segment B Edge ROW	320	73.0	76.2	4.4	0.1	91.5	56.8
	321	72.2	75.3	4.2	0.1	89.5	55.6
	322	71.4	74.3	4.1	0.1	87.6	54.4
	323	70.6	73.3	4.0	0.1	85.8	53.2
	324	69.7	72.3	3.9	0.1	84.0	52.1
	325	68.8	71.3	3.8	0.1	82.3	51.1
	326	67.9	70.3	3.7	0.1	80.6	50.0
	327	67.0	69.2	3.6	0.1	78.9	49.0
	328	66.1	68.1	3.5	0.1	77.3	48.0
	329	65.1	67.1	3.4	0.1	75.8	47.1
	330	64.2	66.0	3.3	0.1	74.2	46.1
	331	63.2	64.9	3.3	0.1	72.8	45.2
	332	62.2	63.9	3.2	0.1	71.3	44.4

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	333	61.3	62.8	3.1	0.1	69.9	43.5
	334	60.3	61.8	3.0	0.1	68.6	42.7
	335	59.4	60.7	3.0	0.1	67.2	41.9
	336	58.4	59.7	2.9	0.1	65.9	41.1
	337	57.5	58.7	2.8	0.1	64.7	40.3
	338	56.5	57.7	2.8	0.1	63.4	39.6
	339	55.6	56.7	2.7	0.1	62.2	38.9
	340	54.7	55.7	2.6	0.1	61.1	38.2
	341	53.8	54.7	2.6	0.1	59.9	37.5
	342	52.9	53.8	2.5	0.1	58.8	36.8
	343	52.0	52.8	2.5	0.1	57.7	36.2
	344	51.2	51.9	2.4	0.1	56.7	35.5
	345	50.3	51.0	2.4	0.1	55.7	34.9
	346	49.5	50.1	2.3	0.0	54.7	34.3
	347	48.7	49.3	2.3	0.0	53.7	33.7
	348	47.9	48.4	2.2	0.0	52.7	33.1
	349	47.1	47.6	2.2	0.0	51.8	32.6
Segment A Edge ROW	350	46.3	46.8	2.2	0.0	50.9	32.0
	351	45.5	46.0	2.1	0.0	50.0	31.5
	352	44.8	45.2	2.1	0.0	49.1	31.0
	353	44.0	44.4	2.0	0.0	48.3	30.5
	354	43.3	43.7	2.0	0.0	47.5	30.0
	355	42.6	42.9	2.0	0.0	46.7	29.5
	356	41.9	42.2	1.9	0.0	45.9	29.0
	357	41.2	41.5	1.9	0.0	45.1	28.6
	358	40.5	40.8	1.8	0.0	44.4	28.1
	359	39.9	40.1	1.8	0.0	43.6	27.7
	360	39.2	39.4	1.8	0.0	42.9	27.2
	361	38.6	38.8	1.7	0.0	42.2	26.8
	362	38.0	38.2	1.7	0.0	41.5	26.4
	363	37.4	37.5	1.7	0.0	40.9	26.0
	364	36.8	36.9	1.7	0.0	40.2	25.6
	365	36.2	36.3	1.6	0.0	39.6	25.2
	366	35.6	35.7	1.6	0.0	39.0	24.9
	367	35.1	35.2	1.6	0.0	38.4	24.5
	368	34.5	34.6	1.5	0.0	37.8	24.1
	369	34.0	34.1	1.5	0.0	37.2	23.8

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	370	33.5	33.5	1.5	0.0	36.6	23.4
	371	33.0	33.0	1.5	0.0	36.0	23.1
	372	32.5	32.5	1.4	0.0	35.5	22.8
	373	32.0	32.0	1.4	0.0	35.0	22.4
	374	31.5	31.5	1.4	0.0	34.4	22.1
	375	31.0	31.0	1.4	0.0	33.9	21.8
	376	30.6	30.5	1.4	0.0	33.4	21.5
	377	30.1	30.1	1.3	0.0	32.9	21.2
	378	29.7	29.6	1.3	0.0	32.5	20.9
	379	29.2	29.2	1.3	0.0	32.0	20.6
	380	28.8	28.8	1.3	0.0	31.5	20.3
	381	28.4	28.3	1.3	0.0	31.1	20.1
	382	28.0	27.9	1.2	0.0	30.6	19.8
	383	27.6	27.5	1.2	0.0	30.2	19.5
	384	27.2	27.1	1.2	0.0	29.8	19.3
	385	26.8	26.7	1.2	0.0	29.4	19.0
	386	26.4	26.3	1.2	0.0	29.0	18.8
	387	26.0	26.0	1.2	0.0	28.6	18.5
	388	25.7	25.6	1.1	0.0	28.2	18.3
	389	25.3	25.2	1.1	0.0	27.8	18.0
	390	25.0	24.9	1.1	0.0	27.4	17.8
	391	24.6	24.5	1.1	0.0	27.0	17.6
	392	24.3	24.2	1.1	0.0	26.7	17.3
	393	24.0	23.9	1.1	0.0	26.3	17.1
	394	23.6	23.5	1.0	0.0	26.0	16.9
	395	23.3	23.2	1.0	0.0	25.6	16.7
	396	23.0	22.9	1.0	0.0	25.3	16.5
	397	22.7	22.6	1.0	0.0	25.0	16.3
	398	22.4	22.3	1.0	0.0	24.7	16.1
	399	22.1	22.0	1.0	0.0	24.3	15.9
Segment D Edge ROW	400	21.8	21.7	1.0	0.0	24.0	15.7
	401	21.5	21.4	0.9	0.0	23.7	15.5
	402	21.3	21.2	0.9	0.0	23.4	15.3
	403	21.0	20.9	0.9	0.0	23.1	15.1
	404	20.7	20.6	0.9	0.0	22.8	15.0
	405	20.5	20.4	0.9	0.0	22.6	14.8
	406	20.2	20.1	0.9	0.0	22.3	14.6

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	407	20.0	19.9	0.9	0.0	22.0	14.4
	408	19.7	19.6	0.9	0.0	21.7	14.3
	409	19.5	19.4	0.9	0.0	21.5	14.1
	410	19.2	19.1	0.8	0.0	21.2	13.9
	411	19.0	18.9	0.8	0.0	21.0	13.8
	412	18.8	18.7	0.8	0.0	20.7	13.6
	413	18.5	18.4	0.8	0.0	20.5	13.5
	414	18.3	18.2	0.8	0.0	20.2	13.3
	415	18.1	18.0	0.8	0.0	20.0	13.2
	416	17.9	17.8	0.8	0.0	19.8	13.0
	417	17.7	17.6	0.8	0.0	19.5	12.9
	418	17.5	17.4	0.8	0.0	19.3	12.7
	419	17.3	17.2	0.8	0.0	19.1	12.6
	420	17.1	17.0	0.8	0.0	18.9	12.5
	421	16.9	16.8	0.7	0.0	18.6	12.3
	422	16.7	16.6	0.7	0.0	18.4	12.2
	423	16.5	16.4	0.7	0.0	18.2	12.1
	424	16.3	16.2	0.7	0.0	18.0	11.9
	425	16.1	16.0	0.7	0.0	17.8	11.8
	426	15.9	15.8	0.7	0.0	17.6	11.7
	427	15.7	15.6	0.7	0.0	17.4	11.6
	428	15.6	15.5	0.7	0.0	17.2	11.4
	429	15.4	15.3	0.7	0.0	17.1	11.3
	430	15.2	15.1	0.7	0.0	16.9	11.2
	431	15.1	15.0	0.7	0.0	16.7	11.1
	432	14.9	14.8	0.7	0.0	16.5	11.0
	433	14.7	14.6	0.6	0.0	16.3	10.9
	434	14.6	14.5	0.6	0.0	16.2	10.7
	435	14.4	14.3	0.6	0.0	16.0	10.6
	436	14.3	14.2	0.6	0.0	15.8	10.5
	437	14.1	14.0	0.6	0.0	15.6	10.4
	438	14.0	13.9	0.6	0.0	15.5	10.3
	439	13.8	13.7	0.6	0.0	15.3	10.2
	440	13.7	13.6	0.6	0.0	15.2	10.1
	441	13.5	13.4	0.6	0.0	15.0	10.0
	442	13.4	13.3	0.6	0.0	14.9	9.9
	443	13.3	13.2	0.6	0.0	14.7	9.8

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	444	13.1	13.0	0.6	0.0	14.6	9.7
	445	13.0	12.9	0.6	0.0	14.4	9.6
	446	12.9	12.8	0.6	0.0	14.3	9.5
	447	12.7	12.6	0.6	0.0	14.1	9.4
	448	12.6	12.5	0.6	0.0	14.0	9.4
	449	12.5	12.4	0.5	0.0	13.8	9.3
	450	12.4	12.3	0.5	0.0	13.7	9.2
	451	12.2	12.1	0.5	0.0	13.6	9.1
	452	12.1	12.0	0.5	0.0	13.4	9.0
	453	12.0	11.9	0.5	0.0	13.3	8.9
	454	11.9	11.8	0.5	0.0	13.2	8.8
	455	11.8	11.7	0.5	0.0	13.1	8.8
	456	11.6	11.6	0.5	0.0	12.9	8.7
	457	11.5	11.5	0.5	0.0	12.8	8.6
	458	11.4	11.3	0.5	0.0	12.7	8.5
	459	11.3	11.2	0.5	0.0	12.6	8.4
	460	11.2	11.1	0.5	0.0	12.4	8.4
	461	11.1	11.0	0.5	0.0	12.3	8.3
	462	11.0	10.9	0.5	0.0	12.2	8.2
	463	10.9	10.8	0.5	0.0	12.1	8.1
	464	10.8	10.7	0.5	0.0	12.0	8.1
	465	10.7	10.6	0.5	0.0	11.9	8.0
	466	10.6	10.5	0.5	0.0	11.8	7.9
	467	10.5	10.4	0.5	0.0	11.7	7.9
	468	10.4	10.3	0.5	0.0	11.6	7.8
	469	10.3	10.2	0.5	0.0	11.5	7.7
	470	10.2	10.1	0.5	0.0	11.3	7.7
	471	10.1	10.1	0.4	0.0	11.2	7.6
	472	10.0	10.0	0.4	0.0	11.1	7.5
	473	9.9	9.9	0.4	0.0	11.0	7.5
	474	9.9	9.8	0.4	0.0	10.9	7.4
	475	9.8	9.7	0.4	0.0	10.9	7.3
	476	9.7	9.6	0.4	0.0	10.8	7.3
	477	9.6	9.5	0.4	0.0	10.7	7.2
	478	9.5	9.4	0.4	0.0	10.6	7.1
	479	9.4	9.4	0.4	0.0	10.5	7.1
	480	9.4	9.3	0.4	0.0	10.4	7.0

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		Segment A		Segment B		Segment C	
		200' easement		120' easement (varies)		100' easement	
		Standard Design	Initial Design	Standard Phasing	Modified Phasing	Standard Phasing	Modified Phasing
Right-of way (ROW) Edges	Point	30 ft HAG	41 ft HAG	A-B-C/A-B-C	A-B-C/C-B-A	A-B-C/C-B-A	A-B-C/A-B-C
	481	9.3	9.2	0.4	0.0	10.3	7.0
	482	9.2	9.1	0.4	0.0	10.2	6.9
	483	9.1	9.1	0.4	0.0	10.1	6.9
	484	9.0	9.0	0.4	0.0	10.0	6.8
	485	9.0	8.9	0.4	0.0	10.0	6.7
	486	8.9	8.8	0.4	0.0	9.9	6.7
	487	8.8	8.7	0.4	0.0	9.8	6.6
	488	8.7	8.7	0.4	0.0	9.7	6.6
	489	8.7	8.6	0.4	0.0	9.6	6.5
	490	8.6	8.5	0.4	0.0	9.5	6.5
	491	8.5	8.5	0.4	0.0	9.5	6.4
	492	8.5	8.4	0.4	0.0	9.4	6.4
	493	8.4	8.3	0.4	0.0	9.3	6.3
	494	8.3	8.3	0.4	0.0	9.2	6.3
	495	8.2	8.2	0.4	0.0	9.2	6.2
	496	8.2	8.1	0.4	0.0	9.1	6.2
	497	8.1	8.1	0.4	0.0	9.0	6.1
	498	8.0	8.0	0.4	0.0	8.9	6.1
	499	8.0	7.9	0.4	0.0	8.9	6.0
	500	7.9	7.9	0.4	0.0	8.8	6.0

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
Right-of way (ROW) Edges	Point	Without 69 kV		Point	ROW width varies		Position Notes	ROW width varies		Position Notes
		With 69 kV	300' easement		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		Initial Design	Initial Design		A-B-C/ A-B-C	A-B-C/ C-B-A		A-B-C/ A-B-C	A-B-C/ C-B-A	
	0	0.8	1.3	0	0.1	0.1		0.1	0.1	
	1	0.8	1.4	1	0.1	0.1		0.1	0.1	
	2	0.8	1.4	2	0.1	0.1		0.1	0.1	
	3	0.8	1.4	3	0.1	0.1		0.1	0.1	
	4	0.8	1.4	4	0.1	0.1		0.1	0.1	
	5	0.8	1.4	5	0.1	0.1		0.1	0.1	
	6	0.8	1.4	6	0.1	0.1		0.1	0.1	
	7	0.8	1.4	7	0.1	0.1		0.1	0.1	
	8	0.8	1.4	8	0.1	0.1		0.1	0.1	
	9	0.8	1.4	9	0.1	0.1		0.1	0.1	
	10	0.8	1.5	10	0.2	0.1		0.2	0.1	
	11	0.9	1.5	11	0.2	0.1		0.2	0.1	
	12	0.9	1.5	12	0.2	0.1		0.2	0.1	
	13	0.9	1.5	13	0.2	0.1		0.2	0.1	
	14	0.9	1.5	14	0.2	0.1		0.2	0.1	
	15	0.9	1.5	15	0.2	0.1		0.2	0.1	
	16	0.9	1.5	16	0.2	0.1		0.2	0.1	
	17	0.9	1.5	17	0.2	0.1		0.2	0.1	
	18	0.9	1.6	18	0.2	0.1		0.2	0.1	
	19	0.9	1.6	19	0.2	0.1		0.2	0.1	
	20	0.9	1.6	20	0.2	0.1		0.2	0.1	
	21	0.9	1.6	21	0.2	0.1		0.2	0.1	
	22	0.9	1.6	22	0.2	0.1		0.2	0.1	
	23	0.9	1.6	23	0.2	0.1		0.2	0.1	
	24	0.9	1.6	24	0.2	0.1		0.2	0.1	
	25	1.0	1.6	25	0.2	0.1		0.2	0.1	
	26	1.0	1.7	26	0.2	0.1		0.2	0.1	
	27	1.0	1.7	27	0.2	0.1		0.2	0.1	
	28	1.0	1.7	28	0.2	0.1		0.2	0.1	
	29	1.0	1.7	29	0.2	0.1		0.2	0.1	
	30	1.0	1.7	30	0.2	0.1		0.2	0.1	
	31	1.0	1.7	31	0.2	0.1		0.2	0.1	
	32	1.0	1.7	32	0.2	0.1		0.2	0.1	
	33	1.0	1.8	33	0.2	0.1		0.2	0.1	
	34	1.0	1.8	34	0.2	0.1		0.2	0.1	
	35	1.0	1.8	35	0.2	0.1		0.2	0.1	
	36	1.0	1.8	36	0.2	0.1		0.2	0.1	

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
Right-of way (ROW) Edges		Without 69 kV		Point	Assumes duct package centered 20' from nearer edge ROW			ROW width varies		
		300' easement			ROW width varies			ROW width varies		
		Initial Design	Initial Design		If duct package placed on N or W side of street			If duct package placed on S or E side of street		
		41 ft HAG	41 ft HAG		A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	37	1.0	1.8	37	0.2	0.1		0.2	0.1	
	38	1.1	1.8	38	0.2	0.1		0.2	0.1	
	39	1.1	1.9	39	0.2	0.1		0.2	0.1	
	40	1.1	1.9	40	0.2	0.1		0.2	0.1	
	41	1.1	1.9	41	0.2	0.1		0.2	0.1	
	42	1.1	1.9	42	0.2	0.1		0.2	0.1	
	43	1.1	1.9	43	0.2	0.1		0.2	0.1	
	44	1.1	1.9	44	0.2	0.1		0.2	0.1	
	45	1.1	1.9	45	0.2	0.1		0.2	0.1	
	46	1.1	2.0	46	0.2	0.1		0.2	0.1	
	47	1.1	2.0	47	0.2	0.1		0.2	0.1	
	48	1.1	2.0	48	0.2	0.1		0.2	0.1	
	49	1.1	2.0	49	0.2	0.1		0.2	0.1	
	50	1.2	2.0	50	0.2	0.1		0.2	0.1	
	51	1.2	2.1	51	0.2	0.1		0.2	0.1	
	52	1.2	2.1	52	0.2	0.1		0.2	0.1	
	53	1.2	2.1	53	0.2	0.1		0.2	0.1	
	54	1.2	2.1	54	0.2	0.1		0.2	0.1	
	55	1.2	2.1	55	0.2	0.1		0.2	0.1	
	56	1.2	2.1	56	0.2	0.1		0.2	0.1	
	57	1.2	2.2	57	0.2	0.1		0.2	0.1	
	58	1.2	2.2	58	0.2	0.1		0.2	0.1	
	59	1.2	2.2	59	0.2	0.1		0.2	0.1	
	60	1.3	2.2	60	0.2	0.1		0.2	0.1	
	61	1.3	2.2	61	0.2	0.1		0.2	0.1	
	62	1.3	2.3	62	0.2	0.1		0.2	0.1	
	63	1.3	2.3	63	0.2	0.1		0.2	0.1	
	64	1.3	2.3	64	0.2	0.1		0.2	0.1	
	65	1.3	2.3	65	0.2	0.1		0.2	0.1	
	66	1.3	2.4	66	0.3	0.1		0.3	0.1	
	67	1.3	2.4	67	0.3	0.1		0.3	0.1	
	68	1.3	2.4	68	0.3	0.1		0.3	0.1	
	69	1.4	2.4	69	0.3	0.1		0.3	0.1	
	70	1.4	2.4	70	0.3	0.1		0.3	0.1	
	71	1.4	2.5	71	0.3	0.1		0.3	0.1	
	72	1.4	2.5	72	0.3	0.1		0.3	0.1	
	73	1.4	2.5	73	0.3	0.1		0.3	0.1	

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	74	1.4	2.5	74	0.3	0.1		0.3	0.1	
	75	1.4	2.6	75	0.3	0.1		0.3	0.1	
	76	1.4	2.6	76	0.3	0.1		0.3	0.1	
	77	1.5	2.6	77	0.3	0.1		0.3	0.1	
	78	1.5	2.6	78	0.3	0.1		0.3	0.1	
	79	1.5	2.7	79	0.3	0.1		0.3	0.1	
	80	1.5	2.7	80	0.3	0.1		0.3	0.1	
	81	1.5	2.7	81	0.3	0.1		0.3	0.1	
	82	1.5	2.7	82	0.3	0.1		0.3	0.1	
	83	1.5	2.8	83	0.3	0.1		0.3	0.1	
	84	1.6	2.8	84	0.3	0.1		0.3	0.1	
	85	1.6	2.8	85	0.3	0.1		0.3	0.1	
	86	1.6	2.8	86	0.3	0.1		0.3	0.1	
	87	1.6	2.9	87	0.3	0.1		0.3	0.1	
	88	1.6	2.9	88	0.3	0.1		0.3	0.1	
	89	1.6	2.9	89	0.3	0.1		0.3	0.1	
	90	1.6	3.0	90	0.3	0.1		0.3	0.1	
	91	1.7	3.0	91	0.3	0.1		0.3	0.1	
	92	1.7	3.0	92	0.3	0.1		0.3	0.1	
	93	1.7	3.0	93	0.3	0.1		0.3	0.1	
	94	1.7	3.1	94	0.3	0.1		0.3	0.1	
	95	1.7	3.1	95	0.4	0.1		0.4	0.1	
	96	1.7	3.1	96	0.4	0.1		0.4	0.1	
	97	1.7	3.2	97	0.4	0.1		0.4	0.1	
	98	1.8	3.2	98	0.4	0.1		0.4	0.1	
	99	1.8	3.2	99	0.4	0.1		0.4	0.1	
	Southerly edge of easement	100	1.8	100	0.4	0.1		0.4	0.1	
	101	1.8	3.3	101	0.4	0.2		0.4	0.2	
	102	1.8	3.3	102	0.4	0.2		0.4	0.2	
	103	1.9	3.4	103	0.4	0.2		0.4	0.2	
	104	1.9	3.4	104	0.4	0.2		0.4	0.2	
	105	1.9	3.4	105	0.4	0.2		0.4	0.2	
	106	1.9	3.5	106	0.4	0.2		0.4	0.2	
	107	1.9	3.5	107	0.4	0.2		0.4	0.2	
	108	1.9	3.6	108	0.4	0.2		0.4	0.2	
	109	2.0	3.6	109	0.4	0.2		0.4	0.2	
	110	2.0	3.6	110	0.4	0.2		0.4	0.2	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	111	2.0	3.7	111	0.4	0.2		0.4	0.2	
	112	2.0	3.7	112	0.4	0.2		0.4	0.2	
	113	2.0	3.7	113	0.4	0.2		0.4	0.2	
	114	2.1	3.8	114	0.5	0.2		0.5	0.2	
	115	2.1	3.8	115	0.5	0.2		0.5	0.2	
	116	2.1	3.9	116	0.5	0.2		0.5	0.2	
	117	2.1	3.9	117	0.5	0.2		0.5	0.2	
	118	2.1	3.9	118	0.5	0.2		0.5	0.2	
	119	2.2	4.0	119	0.5	0.2		0.5	0.2	
	120	2.2	4.0	120	0.5	0.2		0.5	0.2	
	121	2.2	4.1	121	0.5	0.2		0.5	0.2	
	122	2.2	4.1	122	0.5	0.2		0.5	0.2	
	123	2.3	4.2	123	0.5	0.2		0.5	0.2	
	124	2.3	4.2	124	0.5	0.2		0.5	0.2	
	125	2.3	4.3	125	0.5	0.2		0.5	0.2	
	126	2.3	4.3	126	0.5	0.2		0.5	0.2	
	127	2.4	4.4	127	0.6	0.2		0.6	0.2	
	128	2.4	4.4	128	0.6	0.2		0.6	0.2	
	129	2.4	4.5	129	0.6	0.2		0.6	0.2	
	130	2.4	4.5	130	0.6	0.2		0.6	0.2	
	131	2.5	4.6	131	0.6	0.2		0.6	0.2	
	132	2.5	4.6	132	0.6	0.2		0.6	0.2	
	133	2.5	4.7	133	0.6	0.2		0.6	0.2	
	134	2.5	4.7	134	0.6	0.2		0.6	0.2	
	135	2.6	4.8	135	0.6	0.2		0.6	0.2	
	136	2.6	4.8	136	0.6	0.3		0.6	0.3	
	137	2.6	4.9	137	0.7	0.3		0.7	0.3	
	138	2.7	4.9	138	0.7	0.3		0.7	0.3	
	139	2.7	5.0	139	0.7	0.3		0.7	0.3	
	140	2.7	5.1	140	0.7	0.3		0.7	0.3	
	141	2.7	5.1	141	0.7	0.3		0.7	0.3	
	142	2.8	5.2	142	0.7	0.3		0.7	0.3	
	143	2.8	5.2	143	0.7	0.3		0.7	0.3	
	144	2.8	5.3	144	0.7	0.3		0.7	0.3	
	145	2.9	5.4	145	0.8	0.3		0.8	0.3	
	146	2.9	5.4	146	0.8	0.3		0.8	0.3	
	147	2.9	5.5	147	0.8	0.3		0.8	0.3	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	148	3.0	5.5	148	0.8	0.3		0.8	0.3	
	149	3.0	5.6	149	0.8	0.3		0.8	0.3	
	150	3.0	5.7	150	0.8	0.3	Far edge of street ROW, 120' Street	0.8	0.3	
	151	3.1	5.8	151	0.9	0.3		0.9	0.3	
	152	3.1	5.8	152	0.9	0.3		0.9	0.3	
	153	3.2	5.9	153	0.9	0.3		0.9	0.3	
	154	3.2	6.0	154	0.9	0.4		0.9	0.4	
	155	3.2	6.0	155	0.9	0.4		0.9	0.4	
	156	3.3	6.1	156	0.9	0.4		0.9	0.4	
	157	3.3	6.2	157	1.0	0.4		1.0	0.4	
	158	3.4	6.3	158	1.0	0.4		1.0	0.4	
	159	3.4	6.3	159	1.0	0.4		1.0	0.4	
	160	3.4	6.4	160	1.0	0.4		1.0	0.4	
	161	3.5	6.5	161	1.0	0.4		1.0	0.4	
	162	3.5	6.6	162	1.1	0.4		1.1	0.4	
	163	3.6	6.7	163	1.1	0.4		1.1	0.4	
	164	3.6	6.8	164	1.1	0.4		1.1	0.4	
	165	3.7	6.8	165	1.1	0.4		1.1	0.4	
	166	3.7	6.9	166	1.2	0.5		1.2	0.5	
	167	3.8	7.0	167	1.2	0.5		1.2	0.5	
	168	3.8	7.1	168	1.2	0.5		1.2	0.5	
	169	3.9	7.2	169	1.3	0.5		1.3	0.5	
	170	3.9	7.3	170	1.3	0.5	Far edge of street ROW, 100' Street	1.3	0.5	
	171	4.0	7.4	171	1.3	0.5		1.3	0.5	
	172	4.0	7.5	172	1.4	0.5		1.4	0.5	
	173	4.1	7.6	173	1.4	0.5		1.4	0.5	
	174	4.2	7.7	174	1.4	0.6		1.4	0.6	
	175	4.2	7.8	175	1.5	0.6		1.5	0.6	
	176	4.3	7.9	176	1.5	0.6		1.5	0.6	
	177	4.3	8.0	177	1.5	0.6		1.5	0.6	
	178	4.4	8.1	178	1.6	0.6		1.6	0.6	
	179	4.5	8.2	179	1.6	0.6		1.6	0.6	
	180	4.5	8.3	180	1.7	0.6		1.7	0.6	
	181	4.6	8.4	181	1.7	0.7		1.7	0.7	
	182	4.7	8.5	182	1.8	0.7		1.8	0.7	
	183	4.7	8.7	183	1.8	0.7		1.8	0.7	
	184	4.8	8.8	184	1.9	0.7		1.9	0.7	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
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Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
Right-of way (ROW) Edges		Without 69 kV		Point	Assumes duct package centered 20' from nearer edge ROW		ROW width varies		ROW width varies	
		300' easement			If duct package placed on N or W side of street		If duct package placed on S or E side of street			
		Initial Design	Initial Design		A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
		41 ft HAG	41 ft HAG							
	185	4.9	8.9	185	1.9	0.7		1.9	0.7	
	186	5.0	9.0	186	2.0	0.8		2.0	0.8	
	187	5.1	9.1	187	2.1	0.8		2.1	0.8	
	188	5.1	9.3	188	2.1	0.8		2.1	0.8	
	189	5.2	9.4	189	2.2	0.8		2.2	0.8	
	190	5.3	9.5	190	2.3	0.9	Far edge of street ROW, 80' Street	2.3	0.9	
	191	5.4	9.7	191	2.4	0.9		2.4	0.9	
	192	5.5	9.8	192	2.4	0.9		2.4	0.9	
	193	5.6	9.9	193	2.5	1.0		2.5	1.0	
	194	5.7	10.1	194	2.6	1.0		2.6	1.0	
	195	5.8	10.2	195	2.7	1.0		2.7	1.0	
	196	5.9	10.4	196	2.8	1.1		2.8	1.1	
	197	6.0	10.5	197	2.9	1.1		2.9	1.1	
	198	6.1	10.7	198	3.0	1.1		3.0	1.1	
	199	6.2	10.8	199	3.1	1.2		3.1	1.2	
	200	6.3	11.0	200	3.2	1.2		3.2	1.2	
	201	6.5	11.2	201	3.4	1.3		3.4	1.3	
	202	6.6	11.3	202	3.5	1.3		3.5	1.3	
	203	6.7	11.5	203	3.7	1.4		3.7	1.4	
	204	6.8	11.7	204	3.8	1.4		3.8	1.4	
	205	7.0	11.8	205	4.0	1.5		4.0	1.5	
	206	7.1	12.0	206	4.1	1.5		4.1	1.5	
	207	7.3	12.2	207	4.3	1.6		4.3	1.6	
	208	7.4	12.4	208	4.5	1.7		4.5	1.7	
	209	7.6	12.6	209	4.8	1.8		4.8	1.8	
	210	7.7	12.8	210	5.0	1.8	Far edge of street ROW, 60' Street	5.0	1.8	
	211	7.9	13.0	211	5.2	1.9		5.2	1.9	
	212	8.1	13.2	212	5.5	2.0		5.5	2.0	
	213	8.3	13.4	213	5.8	2.1		5.8	2.1	
	214	8.5	13.6	214	6.1	2.2		6.1	2.2	
	215	8.7	13.8	215	6.4	2.3		6.4	2.3	
	216	8.9	14.0	216	6.8	2.5		6.8	2.5	
	217	9.1	14.2	217	7.2	2.6		7.2	2.6	
	218	9.3	14.5	218	7.6	2.8		7.6	2.8	
	219	9.5	14.7	219	8.1	2.9		8.1	2.9	
	220	9.8	14.9	220	8.6	3.1		8.6	3.1	
	221	10.0	15.2	221	9.1	3.3		9.1	3.3	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

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Segment D - Overhead from Location P48 to Peñasquitos Substation			
Right-of way (ROW) Edges	Point	Without 69 kV	
		With 69 kV 300' easement Initial Design	Without 69 kV Initial Design
		41 ft HAG	41 ft HAG
	222	10.3	15.4
	223	10.5	15.7
	224	10.8	15.9
	225	11.1	16.2
	226	11.4	16.4
	227	11.7	16.7
	228	12.0	17.0
	229	12.3	17.3
	230	12.7	17.6
	231	13.1	17.9
	232	13.4	18.2
	233	13.8	18.5
	234	14.3	18.8
	235	14.7	19.1
	236	15.1	19.5
	237	15.6	19.8
	238	16.1	20.1
	239	16.6	20.5
	240	17.1	20.9
	241	17.7	21.2
	242	18.3	21.6
	243	18.9	22.0
	244	19.5	22.4
	245	20.2	22.8
	246	20.9	23.2
	247	21.6	23.7
	248	22.4	24.1
	249	23.1	24.5
Center of the easement	250	24.0	25.0
	251	24.8	25.5
	252	25.7	26.0
	253	26.7	26.5
	254	27.6	27.0
	255	28.7	27.5
	256	29.7	28.0
	257	30.9	28.6
	258	32.0	29.1

Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
Point	A-B-C/ A-B-C		Position Notes	A-B-C/ A-B-C		Position Notes
	A-B-C	C-B-A		A-B-C	C-B-A	
	If duct package placed on N or W side of street			If duct package placed on S or E side of street		
Assumes duct package centered 20' from nearer edge ROW						
ROW width varies						
222	9.7	3.5		9.7	3.5	
223	10.4	3.7		10.4	3.7	
224	11.1	4.0		11.1	4.0	
225	11.9	4.2		11.9	4.2	
226	12.8	4.5		12.8	4.5	
227	13.8	4.9		13.8	4.9	
228	15.0	5.2		15.0	5.2	
229	16.2	5.6		16.2	5.6	
230	17.6	6.1	Far edge of street ROW, 40' Street	17.6	6.1	Near edge of street ROW, all widths
231	19.2	6.6		19.2	6.6	
232	21.0	7.2		21.0	7.2	
233	23.1	7.8		23.1	7.8	
234	25.5	8.6		25.5	8.6	
235	28.2	9.4		28.2	9.4	
236	31.2	10.4		31.2	10.4	
237	34.8	11.5		34.8	11.5	
238	38.9	12.8		38.9	12.8	
239	43.7	14.3		43.7	14.3	
240	49.2	16.0		49.2	16.0	
241	55.6	18.1		55.6	18.1	
242	62.8	20.5		62.8	20.5	
243	71.1	23.4		71.1	23.4	
244	80.2	26.9		80.2	26.9	
245	90.1	30.9		90.1	30.9	
246	100.3	35.6		100.3	35.6	
247	110.2	40.8		110.2	40.8	
248	118.8	46.1		118.8	46.1	
249	125.0	51.0		125.0	51.0	
250	128.1	54.6	Center of the Underground line	128.1	54.6	Center of the Underground line
251	127.3	56.4		127.3	56.4	
252	123.0	56.1		123.0	56.1	
253	115.6	53.8		115.6	53.8	
254	106.3	50.1		106.3	50.1	
255	96.1	45.6		96.1	45.6	
256	85.9	40.8		85.9	40.8	
257	76.3	36.2		76.3	36.2	
258	67.4	32.0		67.4	32.0	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	259	33.2	29.7	259	59.6	28.1		59.6	28.1	
	260	34.5	30.3	260	52.7	24.8		52.7	24.8	
	261	35.8	30.9	261	46.7	21.8		46.7	21.8	
	262	37.2	31.5	262	41.5	19.3		41.5	19.3	
	263	38.6	32.1	263	37.1	17.2		37.1	17.2	
	264	40.1	32.8	264	33.2	15.3		33.2	15.3	
	265	41.7	33.5	265	29.8	13.7		29.8	13.7	
	266	43.3	34.1	266	26.9	12.3		26.9	12.3	
	267	45.0	34.9	267	24.4	11.1		24.4	11.1	
	268	46.7	35.6	268	22.2	10.0		22.2	10.0	
	269	48.5	36.3	269	20.2	9.1		20.2	9.1	
	270	50.4	37.1	270	18.5	8.3	Near edge of street ROW, all widths	18.5	8.3	Far edge of street ROW, 40' Street
	271	52.3	37.9	271	17.0	7.6		17.0	7.6	
	272	54.3	38.7	272	15.7	7.0		15.7	7.0	
	273	56.4	39.5	273	14.5	6.4		14.5	6.4	
	274	58.5	40.4	274	13.4	5.9		13.4	5.9	
	275	60.7	41.2	275	12.4	5.5		12.4	5.5	
	276	62.9	42.1	276	11.6	5.1		11.6	5.1	
	277	65.2	43.1	277	10.8	4.7		10.8	4.7	
	278	67.6	44.0	278	10.1	4.4		10.1	4.4	
	279	70.0	45.0	279	9.4	4.1		9.4	4.1	
	280	72.4	46.0	280	8.9	3.9		8.9	3.9	
	281	74.9	47.0	281	8.3	3.6		8.3	3.6	
	282	77.5	48.1	282	7.8	3.4		7.8	3.4	
	283	80.0	49.2	283	7.4	3.2		7.4	3.2	
	284	82.6	50.3	284	7.0	3.0		7.0	3.0	
	285	85.2	51.5	285	6.6	2.8		6.6	2.8	
	286	87.8	52.7	286	6.3	2.7		6.3	2.7	
	287	90.4	53.9	287	5.9	2.6		5.9	2.6	
	288	93.0	55.2	288	5.6	2.4		5.6	2.4	
	289	95.6	56.5	289	5.4	2.3		5.4	2.3	
	290	98.2	57.9	290	5.1	2.2		5.1	2.2	Far edge of street ROW, 60' Street
	291	100.8	59.2	291	4.9	2.1		4.9	2.1	
	292	103.3	60.7	292	4.7	2.0		4.7	2.0	
	293	105.8	62.2	293	4.4	1.9		4.4	1.9	
	294	108.2	63.7	294	4.3	1.8		4.3	1.8	
	295	110.6	65.2	295	4.1	1.7		4.1	1.7	

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	296	113.0	66.9	296	3.9	1.7		3.9	1.7	
	297	115.4	68.5	297	3.7	1.6		3.7	1.6	
	298	117.7	70.2	298	3.6	1.5		3.6	1.5	
	299	119.9	72.0	299	3.4	1.5		3.4	1.5	
	300	122.2	73.8	300	3.3	1.4		3.3	1.4	
	301	124.4	75.7	301	3.2	1.3		3.2	1.3	
	302	126.6	77.7	302	3.1	1.3		3.1	1.3	
	303	128.7	79.7	303	3.0	1.2		3.0	1.2	
	304	130.9	81.7	304	2.9	1.2		2.9	1.2	
	305	133.0	83.9	305	2.7	1.2		2.7	1.2	
	306	135.2	86.1	306	2.7	1.1		2.7	1.1	
	307	137.3	88.3	307	2.6	1.1		2.6	1.1	
	308	139.4	90.7	308	2.5	1.0		2.5	1.0	
	309	141.5	93.1	309	2.4	1.0		2.4	1.0	
	310	143.7	95.6	310	2.3	1.0		2.3	1.0	Far edge of street ROW, 80' Street
	311	145.8	98.1	311	2.2	0.9		2.2	0.9	
	312	148.0	100.8	312	2.2	0.9		2.2	0.9	
	313	150.2	103.5	313	2.1	0.9		2.1	0.9	
	314	152.4	106.3	314	2.0	0.9		2.0	0.9	
	315	154.7	109.2	315	2.0	0.8		2.0	0.8	
	316	157.0	112.2	316	1.9	0.8		1.9	0.8	
	317	159.3	115.3	317	1.9	0.8		1.9	0.8	
	318	161.7	118.5	318	1.8	0.8		1.8	0.8	
	319	164.2	121.7	319	1.8	0.7		1.8	0.7	
	320	166.7	125.1	320	1.7	0.7		1.7	0.7	
	321	169.3	128.5	321	1.7	0.7		1.7	0.7	
	322	172.0	132.1	322	1.6	0.7		1.6	0.7	
	323	174.7	135.7	323	1.6	0.7		1.6	0.7	
	324	177.5	139.5	324	1.5	0.6		1.5	0.6	
	325	180.4	143.3	325	1.5	0.6		1.5	0.6	
	326	183.3	147.2	326	1.5	0.6		1.5	0.6	
	327	186.3	151.3	327	1.4	0.6		1.4	0.6	
	328	189.4	155.4	328	1.4	0.6		1.4	0.6	
	329	192.6	159.6	329	1.3	0.6		1.3	0.6	
	330	195.9	163.8	330	1.3	0.5		1.3	0.5	Far edge of street ROW, 100' Street
	331	199.2	168.2	331	1.3	0.5		1.3	0.5	
	332	202.5	172.6	332	1.2	0.5		1.2	0.5	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
 HAG = Height Above Ground

Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	333	205.9	177.1	333	1.2	0.5		1.2	0.5	
	334	209.4	181.6	334	1.2	0.5		1.2	0.5	
	335	212.8	186.1	335	1.2	0.5		1.2	0.5	
	336	216.3	190.7	336	1.1	0.5		1.1	0.5	
	337	219.8	195.2	337	1.1	0.5		1.1	0.5	
	338	223.2	199.8	338	1.1	0.5		1.1	0.5	
	339	226.6	204.3	339	1.1	0.4		1.1	0.4	
	340	229.9	208.7	340	1.0	0.4		1.0	0.4	
	341	233.1	213.1	341	1.0	0.4		1.0	0.4	
	342	236.2	217.4	342	1.0	0.4		1.0	0.4	
	343	239.2	221.5	343	1.0	0.4		1.0	0.4	
	344	241.9	225.4	344	1.0	0.4		1.0	0.4	
	345	244.5	229.1	345	0.9	0.4		0.9	0.4	
	346	246.8	232.6	346	0.9	0.4		0.9	0.4	
	347	248.9	235.9	347	0.9	0.4		0.9	0.4	
	348	250.6	238.8	348	0.9	0.4		0.9	0.4	
	349	252.0	241.4	349	0.9	0.4		0.9	0.4	
	350	253.1	243.7	350	0.8	0.3		0.8	0.3	Far edge of street ROW, 120' Street
	351	253.8	245.5	351	0.8	0.3		0.8	0.3	
	352	254.1	247.0	352	0.8	0.3		0.8	0.3	
	353	254.0	248.0	353	0.8	0.3		0.8	0.3	
	354	253.5	248.6	354	0.8	0.3		0.8	0.3	
	355	252.5	248.7	355	0.8	0.3		0.8	0.3	
	356	251.1	248.4	356	0.8	0.3		0.8	0.3	
	357	249.3	247.6	357	0.7	0.3		0.7	0.3	
	358	247.1	246.4	358	0.7	0.3		0.7	0.3	
	359	244.5	244.7	359	0.7	0.3		0.7	0.3	
	360	241.5	242.6	360	0.7	0.3		0.7	0.3	
	361	238.1	240.1	361	0.7	0.3		0.7	0.3	
	362	234.4	237.2	362	0.7	0.3		0.7	0.3	
	363	230.4	233.9	363	0.7	0.3		0.7	0.3	
	364	226.1	230.3	364	0.7	0.3		0.7	0.3	
	365	221.6	226.4	365	0.6	0.3		0.6	0.3	
	366	216.8	222.3	366	0.6	0.3		0.6	0.3	
	367	211.8	217.8	367	0.6	0.3		0.6	0.3	
	368	206.7	213.2	368	0.6	0.3		0.6	0.3	
	369	201.4	208.4	369	0.6	0.2		0.6	0.2	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

All values in milligauss (mG)
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Alternative 5 is equivalent to the original proposed Project, except that the two existing overhead 69 kV power lines would depart the easement of original Segment D near location P48 and transition to underground to continue west via access roads and surface streets to Peñasquitos Substation.

Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	370	196.1	203.5	370	0.6	0.2		0.6	0.2	
	371	190.6	198.4	371	0.6	0.2		0.6	0.2	
	372	185.2	193.2	372	0.6	0.2		0.6	0.2	
	373	179.7	188.0	373	0.6	0.2		0.6	0.2	
	374	174.2	182.7	374	0.6	0.2		0.6	0.2	
	375	168.7	177.4	375	0.5	0.2		0.5	0.2	
	376	163.2	172.1	376	0.5	0.2		0.5	0.2	
	377	157.9	166.9	377	0.5	0.2		0.5	0.2	
	378	152.6	161.7	378	0.5	0.2		0.5	0.2	
	379	147.4	156.6	379	0.5	0.2		0.5	0.2	
	380	142.4	151.6	380	0.5	0.2		0.5	0.2	
	381	137.4	146.6	381	0.5	0.2		0.5	0.2	
	382	132.6	141.8	382	0.5	0.2		0.5	0.2	
	383	128.0	137.1	383	0.5	0.2		0.5	0.2	
	384	123.5	132.6	384	0.5	0.2		0.5	0.2	
	385	119.1	128.2	385	0.5	0.2		0.5	0.2	
	386	114.9	123.9	386	0.5	0.2		0.5	0.2	
	387	110.9	119.8	387	0.5	0.2		0.5	0.2	
	388	107.1	115.9	388	0.4	0.2		0.4	0.2	
	389	103.3	112.0	389	0.4	0.2		0.4	0.2	
	390	99.8	108.4	390	0.4	0.2		0.4	0.2	
	391	96.4	104.9	391	0.4	0.2		0.4	0.2	
	392	93.1	101.5	392	0.4	0.2		0.4	0.2	
	393	90.0	98.3	393	0.4	0.2		0.4	0.2	
	394	87.1	95.2	394	0.4	0.2		0.4	0.2	
	395	84.2	92.2	395	0.4	0.2		0.4	0.2	
	396	81.5	89.4	396	0.4	0.2		0.4	0.2	
	397	78.9	86.6	397	0.4	0.2		0.4	0.2	
	398	76.4	84.0	398	0.4	0.2		0.4	0.2	
	399	74.1	81.5	399	0.4	0.2		0.4	0.2	
	Northerly edge of easement	400	71.8	400	0.4	0.2		0.4	0.2	
	401	69.6	76.9	401	0.4	0.2		0.4	0.2	
	402	67.5	74.7	402	0.4	0.2		0.4	0.2	
	403	65.6	72.6	403	0.4	0.2		0.4	0.2	
	404	63.7	70.5	404	0.4	0.1		0.4	0.1	
	405	61.8	68.6	405	0.4	0.1		0.4	0.1	
	406	60.1	66.7	406	0.4	0.1		0.4	0.1	

Summary of calculated values for proposed Alternative 5, SX-PQ 230 kV Project

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	407	58.4	65.0	407	0.3	0.1		0.3	0.1	
	408	56.8	63.2	408	0.3	0.1		0.3	0.1	
	409	55.3	61.6	409	0.3	0.1		0.3	0.1	
	410	53.8	60.0	410	0.3	0.1		0.3	0.1	
	411	52.3	58.4	411	0.3	0.1		0.3	0.1	
	412	51.0	57.0	412	0.3	0.1		0.3	0.1	
	413	49.6	55.5	413	0.3	0.1		0.3	0.1	
	414	48.4	54.2	414	0.3	0.1		0.3	0.1	
	415	47.1	52.8	415	0.3	0.1		0.3	0.1	
	416	46.0	51.6	416	0.3	0.1		0.3	0.1	
	417	44.8	50.3	417	0.3	0.1		0.3	0.1	
	418	43.7	49.1	418	0.3	0.1		0.3	0.1	
	419	42.6	48.0	419	0.3	0.1		0.3	0.1	
	420	41.6	46.9	420	0.3	0.1		0.3	0.1	
	421	40.6	45.8	421	0.3	0.1		0.3	0.1	
	422	39.7	44.7	422	0.3	0.1		0.3	0.1	
	423	38.7	43.7	423	0.3	0.1		0.3	0.1	
	424	37.8	42.8	424	0.3	0.1		0.3	0.1	
	425	37.0	41.8	425	0.3	0.1		0.3	0.1	
	426	36.1	40.9	426	0.3	0.1		0.3	0.1	
	427	35.3	40.0	427	0.3	0.1		0.3	0.1	
	428	34.5	39.1	428	0.3	0.1		0.3	0.1	
	429	33.7	38.3	429	0.3	0.1		0.3	0.1	
	430	33.0	37.5	430	0.3	0.1		0.3	0.1	
	431	32.3	36.7	431	0.3	0.1		0.3	0.1	
	432	31.6	35.9	432	0.3	0.1		0.3	0.1	
	433	30.9	35.2	433	0.3	0.1		0.3	0.1	
	434	30.2	34.4	434	0.3	0.1		0.3	0.1	
	435	29.6	33.7	435	0.3	0.1		0.3	0.1	
	436	29.0	33.0	436	0.2	0.1		0.2	0.1	
	437	28.4	32.4	437	0.2	0.1		0.2	0.1	
	438	27.8	31.7	438	0.2	0.1		0.2	0.1	
	439	27.2	31.1	439	0.2	0.1		0.2	0.1	
	440	26.6	30.5	440	0.2	0.1		0.2	0.1	
	441	26.1	29.9	441	0.2	0.1		0.2	0.1	
	442	25.6	29.3	442	0.2	0.1		0.2	0.1	
	443	25.1	28.7	443	0.2	0.1		0.2	0.1	

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Segment D - Overhead from Location P48 to Peñasquitos Substation				Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
		Without 69 kV		Assumes duct package centered 20' from nearer edge ROW						
		300' easement		ROW width varies			ROW width varies			
		Initial Design	Initial Design	If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Right-of way (ROW) Edges	Point	41 ft HAG	41 ft HAG	Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
	444	24.6	28.2	444	0.2	0.1		0.2	0.1	
	445	24.1	27.6	445	0.2	0.1		0.2	0.1	
	446	23.6	27.1	446	0.2	0.1		0.2	0.1	
	447	23.1	26.6	447	0.2	0.1		0.2	0.1	
	448	22.7	26.1	448	0.2	0.1		0.2	0.1	
	449	22.2	25.6	449	0.2	0.1		0.2	0.1	
	450	21.8	25.1	450	0.2	0.1		0.2	0.1	
	451	21.4	24.6	451	0.2	0.1		0.2	0.1	
	452	21.0	24.2	452	0.2	0.1		0.2	0.1	
	453	20.6	23.8	453	0.2	0.1		0.2	0.1	
	454	20.2	23.3	454	0.2	0.1		0.2	0.1	
	455	19.8	22.9	455	0.2	0.1		0.2	0.1	
	456	19.5	22.5	456	0.2	0.1		0.2	0.1	
	457	19.1	22.1	457	0.2	0.1		0.2	0.1	
	458	18.8	21.7	458	0.2	0.1		0.2	0.1	
	459	18.4	21.3	459	0.2	0.1		0.2	0.1	
	460	18.1	20.9	460	0.2	0.1		0.2	0.1	
	461	17.8	20.6	461	0.2	0.1		0.2	0.1	
	462	17.4	20.2	462	0.2	0.1		0.2	0.1	
	463	17.1	19.9	463	0.2	0.1		0.2	0.1	
	464	16.8	19.5	464	0.2	0.1		0.2	0.1	
	465	16.5	19.2	465	0.2	0.1		0.2	0.1	
	466	16.2	18.9	466	0.2	0.1		0.2	0.1	
	467	15.9	18.5	467	0.2	0.1		0.2	0.1	
	468	15.7	18.2	468	0.2	0.1		0.2	0.1	
	469	15.4	17.9	469	0.2	0.1		0.2	0.1	
	470	15.1	17.6	470	0.2	0.1		0.2	0.1	
	471	14.9	17.3	471	0.2	0.1		0.2	0.1	
	472	14.6	17.0	472	0.2	0.1		0.2	0.1	
	473	14.4	16.8	473	0.2	0.1		0.2	0.1	
	474	14.1	16.5	474	0.2	0.1		0.2	0.1	
	475	13.9	16.2	475	0.2	0.1		0.2	0.1	
	476	13.7	16.0	476	0.2	0.1		0.2	0.1	
	477	13.4	15.7	477	0.2	0.1		0.2	0.1	
	478	13.2	15.5	478	0.2	0.1		0.2	0.1	
	479	13.0	15.2	479	0.2	0.1		0.2	0.1	
	480	12.8	15.0	480	0.2	0.1		0.2	0.1	

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Segment D - Overhead from Location P48 to Peñasquitos Substation			
Right-of way (ROW) Edges	Point	Without 69 kV	
		With 69 kV	kV
		300' easement	
		Initial Design	Initial Design
		41 ft HAG	41 ft HAG
	481	12.6	14.7
	482	12.4	14.5
	483	12.2	14.3
	484	12.0	14.1
	485	11.8	13.8
	486	11.6	13.6
	487	11.4	13.4
	488	11.2	13.2
	489	11.1	13.0
	490	10.9	12.8
	491	10.7	12.6
	492	10.6	12.4
	493	10.4	12.2
	494	10.2	12.1
	495	10.1	11.9
	496	9.9	11.7
	497	9.8	11.5
	498	9.6	11.4
	499	9.5	11.2
	500	9.3	11.0

Segment D - 69 kV Underground from Location P48 to Peñasquitos Substation						
Assumes duct package centered 20' from nearer edge ROW						
ROW width varies			ROW width varies			
If duct package placed on N or W side of street			If duct package placed on S or E side of street			
Point	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes	A-B-C/ A-B-C	A-B-C/ C-B-A	Position Notes
481	0.2	0.1		0.2	0.1	
482	0.2	0.1		0.2	0.1	
483	0.2	0.1		0.2	0.1	
484	0.2	0.1		0.2	0.1	
485	0.2	0.1		0.2	0.1	
486	0.2	0.1		0.2	0.1	
487	0.2	0.1		0.2	0.1	
488	0.2	0.1		0.2	0.1	
489	0.2	0.1		0.2	0.1	
490	0.2	0.1		0.2	0.1	
491	0.1	0.1		0.1	0.1	
492	0.1	0.1		0.1	0.1	
493	0.1	0.1		0.1	0.1	
494	0.1	0.1		0.1	0.1	
495	0.1	0.1		0.1	0.1	
496	0.1	0.1		0.1	0.1	
497	0.1	0.1		0.1	0.1	
498	0.1	0.1		0.1	0.1	
499	0.1	0.1		0.1	0.1	
500	0.1	0.1		0.1	0.1	