

Table 7-5.1a: Unmitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
10	Residence	Non-Participating	553620.51	4749511.82	17	19	25	26	19	17	5	0	0	0
11	Residence	Non-Participating	553607.06	4749411.70	16	19	25	26	19	16	5	0	0	0
12	Residence	Non-Participating	553577.66	4749441.54	17	19	25	26	19	16	5	0	0	0
13	Residence	Non-Participating	553598.26	4749409.09	16	19	25	26	19	16	5	0	0	0
14	Residence	Non-Participating	553571.47	4749430.18	16	19	25	26	19	16	5	0	0	0
15	Residence	Non-Participating	553564.27	4749411.72	16	19	25	26	19	16	5	0	0	0
16	Residence	Non-Participating	553442.39	4749486.27	17	19	25	26	19	16	5	0	0	0
18	Residence	Non-Participating	553475.99	4749272.63	16	19	24	25	18	15	4	0	0	0
19	Residence	Non-Participating	553488.36	4749190.76	15	19	24	25	18	15	3	0	0	0
20	Residence	Non-Participating	553397.22	4749063.25	15	18	24	25	18	14	2	0	0	0
21	Residence	Non-Participating	553377.20	4749005.70	15	18	24	25	17	14	2	0	0	0
23	Residence	Non-Participating	553561.73	4749272.69	16	19	24	26	18	15	4	0	0	0
24	Residence	Non-Participating	553574.39	4749309.19	16	19	25	26	19	16	4	0	0	0
25	Residence	Non-Participating	553620.54	4749291.76	16	19	25	26	19	16	4	0	0	0
27	Residence	Non-Participating	553684.46	4749312.08	16	19	25	26	19	16	4	0	0	0
28	Residence	Non-Participating	553710.71	4749317.74	16	19	25	26	19	16	4	0	0	0
29	Residence	Non-Participating	553708.92	4749353.07	16	19	25	26	19	16	4	0	0	0
30	Residence	Non-Participating	553730.45	4749320.50	16	19	25	26	19	16	4	0	0	0
32	Residence	Non-Participating	553786.39	4749339.35	16	19	25	26	19	16	4	0	0	0
33	Residence	Non-Participating	553810.04	4749348.12	16	19	25	26	19	16	4	0	0	0
34	Residence	Non-Participating	553815.53	4749386.41	16	19	25	26	19	16	5	0	0	0
35	Residence	Non-Participating	553842.45	4749353.44	16	19	25	26	19	16	4	0	0	0
36	Residence	Non-Participating	553848.75	4749390.38	16	19	25	26	19	16	5	0	0	0
37	Residence	Non-Participating	553931.34	4749411.71	17	19	25	26	19	16	5	0	0	0
38	Residence	Non-Participating	553960.01	4749383.92	16	19	25	26	19	16	5	0	0	0
39	Residence	Non-Participating	553977.57	4749391.48	16	19	25	26	19	16	5	0	0	0
40	Residence	Non-Participating	554030.09	4749404.59	17	19	25	26	19	16	5	0	0	0
41	Residence	Non-Participating	554080.42	4749417.44	17	19	25	26	19	16	5	0	0	0
42	Residence	Non-Participating	554111.63	4749466.61	17	19	25	26	19	17	5	0	0	0
43	Residence	Non-Participating	554143.66	4749432.07	17	19	25	26	19	16	5	0	0	0
44	Residence	Non-Participating	554179.52	4749443.30	17	19	25	26	19	16	5	0	0	0
46	Residence	Non-Participating	554332.74	4749485.43	17	19	25	26	19	17	5	0	0	0
47	Residence	Non-Participating	552629.05	4749782.74	17	19	25	26	19	16	5	0	0	0
48	Residence	Non-Participating	552422.18	4749780.50	16	19	25	26	19	16	4	0	0	0
49	Residence	Non-Participating	552215.88	4749784.96	16	19	24	25	18	15	4	0	0	0
50	Residence	Non-Participating	552030.15	4749782.86	15	18	24	25	18	15	3	0	0	0
51	Residence	Non-Participating	552019.77	4749712.13	15	18	24	25	18	15	3	0	0	0
52	Residence	Non-Participating	551922.97	4749679.16	15	18	24	25	17	14	2	0	0	0
54	Residence	Non-Participating	551570.52	4749612.37	14	17	23	24	17	13	1	0	0	0
55	Residence	Non-Participating	551325.67	4749478.65	13	17	23	23	16	12	0	0	0	0
56	Residence	Non-Participating	554794.56	4749621.54	17	20	25	26	20	17	6	0	0	0
57	Residence	Non-Participating	554895.30	4749569.97	17	19	25	26	19	16	5	0	0	0
58	Residence	Non-Participating	555200.32	4749639.45	21	30	36	29	22	22	12	0	0	0
59	Residence	Non-Participating	555115.67	4749759.00	17	20	25	27	20	17	6	0	0	0
60	Residence	Non-Participating	555054.50	4749780.10	17	20	26	27	20	17	6	0	0	0
62	Residence	Non-Participating	555117.84	4749958.10	18	20	26	27	20	18	7	0	0	0
65	Residence	Non-Participating	555326.36	4750299.14	19	21	27	28	21	19	9	0	0	0
66	Residence	Non-Participating	553499.88	4749228.65	16	19	24	25	18	15	3	0	0	0
68	Residence	Non-Participating	555137.11	4750029.20	18	20	26	27	21	18	7	0	0	0
70	Residence	Non-Participating	550683.80	4755149.29	12	17	22	23	15	11	0	0	0	0
71	Residence	Non-Participating	550727.44	4755152.85	12	17	22	23	15	11	0	0	0	0
72	Residence	Non-Participating	550756.74	4755150.88	12	17	22	23	15	12	0	0	0	0
73	Residence	Non-Participating	550789.23	4755146.19	13	17	22	23	16	12	0	0	0	0
74	Residence	Non-Participating	550813.39	4755146.77	13	17	22	23	16	12	0	0	0	0
75	Residence	Non-Participating	550845.50	4755140.98	13	17	22	23	16	12	0	0	0	0
76	Residence	Non-Participating	550826.31	4755140.59	13	17	22	23	16	12	0	0	0	0
77	Residence	Non-Participating	550867.79	4755131.24	13	17	23	23	16	12	0	0	0	0
78	Residence	Non-Participating	550887.58	4755130.01	13	17	23	23	16	12	0	0	0	0
79	Residence	Non-Participating	550905.82	4755124.33	13	17	23	23	16	12	0	0	0	0
80	Residence	Non-Participating	550930.35	4755119.74	13	17	23	23	16	12	0	0	0	0
81	Residence	Non-Participating	550945.56	4755117.32	13	17	23	24	16	12	0	0	0	0
82	Residence	Non-Participating	550961.02	4755113.39	13	17	23	24	16	12	0	0	0	0
83	Residence	Non-Participating	550982.67	4755104.94	13	17	23	24	16	13	0	0	0	0
84	Residence	Non-Participating	551002.52	4755101.68	13	17	23	24	16	13	0	0	0	0
85	Residence	Non-Participating	551022.13	4755099.20	13	17	23	24	16	13	0	0	0	0
86	Residence	Non-Participating	551046.03	4755096.23	13	17	23	24	16	13	0	0	0	0
87	Residence	Non-Participating	551079.93	4755089.22	14	17	23	24	16	13	0	0	0	0
92	Residence	Non-Participating	551525.79	4750504.83	21	30	35	29	22	21	12	0	0	0
94	Residence	Non-Participating	551926.20	4753102.00	21	22	28	30	23	21	11	0	0	0
95	Residence	Non-Participating	551958.41	4753020.24	21	23	28	30	23	22	12	0	0	0
96	Residence	Non-Participating	552037.80	4752985.58	22	23	29	30	24	22	12	0	0	0
98	Residence	Non-Participating	551570.84	4753904.92	18	20	26	27	20	18	7	0	0	0
99	Residence	Non-Participating	551588.21	4753855.54	18	20	26	27	20	18	7	0	0	0
100	Residence	Non-Participating	551449.45	4754199.65	17	19	25	26	19	17	5	0	0	0
102	Residence	Non-Participating	552906.80	4751355.90	25	25	31	32	26	25	16	1	0	0
103	Residence	Non-Participating	555414.87	4753215.13	25	26	31	33	27	25	16	0	0	0
104	Residence	Non-Participating	555583.14	4753304.80	24	25	30	32	26	24	15	0	0	0
105	Residence	Non-Participating	555670.69	4753147.71	29	35	41	35	29	29	23	7	0	0
106	Residence	Non-Participating	555847.25	4753231.57	28	34	40	34	28	28	21	5	0	0
107	Residence	Non-Participating	555822.18	4753188.69	28	34	40	34	28	28	21	5	0	0
108	Residence	Non-Participating	555791.22	4753184.54	28	34	40	34	28	29	21	6	0	0
109	Residence	Non-Participating	555811.87	4753134.94	28	34	40	34	28	28	21	6	0	0
110	Residence	Non-Participating	555817.29	4753094.52	28	34	40	34	28	29	21	6	0	0
111	Residence	Non-Participating	555867.13	4753181.53	28	34	40	34	28	28	21	5	0	0

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Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
112	Residence	Non-Participating	555889.77	4753223.55	28	34	40	34	28	28	21	4	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	27	34	40	34	27	28	20	4	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	28	34	40	34	28	29	22	6	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	28	34	40	34	28	29	22	6	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	28	35	40	34	28	29	22	6	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	28	35	40	34	28	29	22	6	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	29	35	40	34	28	29	22	7	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	31	36	42	36	31	31	25	11	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	32	37	43	37	31	32	26	13	0	0	
121	Residence	Non-Participating	555444.52	4752334.26	31	37	43	37	31	32	25	12	0	0	
122	Residence	Non-Participating	555389.22	4752260.79	32	37	43	37	31	32	26	13	0	0	
123	Residence	Non-Participating	555314.75	4752326.25	33	37	43	38	32	33	27	14	0	0	
124	Residence	Non-Participating	555303.73	4752278.93	33	37	43	38	32	33	27	14	0	0	
125	Residence	Non-Participating	555278.06	4752246.63	33	38	43	38	32	33	27	15	0	0	
126	Residence	Non-Participating	555310.17	4752191.86	32	37	43	37	32	33	26	14	0	0	
127	Residence	Non-Participating	555150.42	4752043.77	33	38	44	38	32	33	27	16	0	0	
128	Residence	Non-Participating	555111.42	4752030.41	33	38	44	38	33	34	28	16	0	0	
129	Residence	Non-Participating	555109.17	4751999.69	33	38	44	38	33	34	28	16	0	0	
130	Residence	Non-Participating	555181.62	4751872.74	32	37	43	37	32	32	26	14	0	0	
131	Residence	Non-Participating	555071.83	4751700.54	32	37	43	37	31	32	26	14	0	0	
132	Residence	Non-Participating	555052.74	4751624.77	32	37	43	37	31	32	26	13	0	0	
133	Residence	Non-Participating	555139.23	4751628.39	31	37	42	37	31	32	25	12	0	0	
134	Residence	Non-Participating	551914.00	4752906.30	21	22	28	30	23	21	12	0	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	28	34	40	34	28	28	21	4	0	0	
137	Residence	Non-Participating	551242.05	4752107.85	18	20	26	27	20	18	7	0	0	0	
138	Residence	Non-Participating	551321.25	4752157.29	18	20	26	27	21	18	7	0	0	0	
139	Residence	Non-Participating	551778.30	4752503.24	26	33	38	32	26	26	18	0	0	0	
140	Residence	Non-Participating	550126.31	4753026.88	13	17	23	24	16	13	0	0	0	0	
141	Residence	Non-Participating	550260.97	4753028.28	19	28	34	27	20	18	8	0	0	0	
143	Residence	Non-Participating	549935.88	4752984.91	17	27	33	26	19	17	6	0	0	0	
144	Residence	Non-Participating	549937.57	4753015.22	13	17	22	23	16	12	0	0	0	0	
145	Residence	Non-Participating	549792.45	4752980.70	12	17	22	23	15	11	0	0	0	0	
146	Residence	Non-Participating	548925.79	4752928.90	10	15	20	21	13	8	0	0	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	10	15	20	21	13	8	0	0	0	0	
148	Residence	Non-Participating	548785.85	4752908.45	9	15	20	21	12	8	0	0	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	9	15	20	21	12	8	0	0	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	9	15	20	21	12	8	0	0	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	9	14	20	20	12	7	0	0	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	8	14	19	20	11	6	0	0	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	8	14	19	20	11	6	0	0	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	8	14	19	20	11	6	0	0	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	9	14	20	20	12	7	0	0	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	9	15	20	20	12	7	0	0	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	9	15	20	21	12	7	0	0	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	9	15	20	21	12	7	0	0	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	9	15	20	21	13	8	0	0	0	0	
161	Residence	Non-Participating	549887.58	4751157.10	12	16	22	23	15	11	0	0	0	0	
163	Residence	Non-Participating	550017.12	4750343.09	11	16	21	22	14	10	0	0	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	11	16	22	22	14	10	0	0	0	0	
165	Residence	Non-Participating	550125.18	4750414.06	12	16	22	22	15	11	0	0	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	13	17	22	23	15	12	0	0	0	0	
168	Residence	Non-Participating	552058.11	4752751.95	22	23	29	30	24	22	13	0	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	22	23	29	30	24	22	13	0	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	22	23	29	30	24	22	12	0	0	0	
171	Residence	Non-Participating	548083.96	4753456.92	7	13	19	19	10	5	0	0	0	0	
172	Residence	Non-Participating	547820.51	4753402.32	7	13	19	19	10	4	0	0	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	6	13	18	18	9	4	0	0	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	10	15	20	21	13	8	0	0	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	10	15	21	21	13	8	0	0	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	10	15	20	21	13	8	0	0	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	9	15	20	21	12	8	0	0	0	0	
178	Residence	Non-Participating	549374.39	4750383.39	10	15	20	21	13	8	0	0	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	10	15	21	21	13	9	0	0	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	10	15	21	21	13	8	0	0	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	10	15	20	21	13	8	0	0	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	11	16	21	22	14	10	0	0	0	0	
185	Residence	Non-Participating	551698.28	4748882.11	12	16	22	23	15	11	0	0	0	0	
186	Residence	Non-Participating	552195.89	4748808.52	13	17	22	23	16	12	0	0	0	0	
188	Amish Community	Non-Participating	552549.47	4748962.91	14	17	23	24	16	13	0	0	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	16	19	25	26	19	16	4	0	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	20	29	35	28	21	20	11	0	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	19	28	34	27	20	19	9	0	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	20	29	35	28	21	20	10	0	0	0	
194	Residence	Non-Participating	555802.43	4749877.62	16	19	25	26	19	16	5	0	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	21	30	35	29	22	21	12	0	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	21	30	35	29	22	21	12	0	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	22	30	36	29	22	22	13	0	0	0	
198	Residence	Non-Participating	556617.91	4750861.79	22	30	36	29	22	22	13	0	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	24	32	37	31	25	24	16	0	0	0	
200	Residence	Non-Participating	555951.70	4751023.36	25	32	38	32	25	25	17	0	0	0	
201	Residence	Non-Participating	556299.02	4751489.59	24	32	38	31	25	25	17	0	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	25	32	38	32	26	26	18	0	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	21	22	28	29	23	21	11	0	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	26	33	39	32	26	26	18	0	0	0	

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			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
205	Residence	Non-Participating	556213.27	4751774.05	26	33	38	32	26	26	18	0	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	21	22	28	29	23	21	11	0	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	26	26	32	33	28	26	18	4	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	26	26	32	34	28	26	18	4	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	26	26	32	34	28	27	18	5	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	28	27	33	35	29	28	20	7	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	19	24	29	29	21	18	6	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	24	24	30	32	26	24	15	0	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	23	24	30	31	25	24	15	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	22	23	29	30	24	22	13	0	0	0	
219	Residence	Non-Participating	553788.75	4754034.02	26	26	32	33	27	26	17	3	0	0	
220	Residence	Non-Participating	553118.80	4754272.46	23	23	29	31	24	23	13	0	0	0	
221	Residence	Non-Participating	553211.92	4754368.10	22	23	29	30	24	22	13	0	0	0	
222	Residence	Non-Participating	553202.75	4754319.09	22	23	29	31	24	23	13	0	0	0	
223	Residence	Non-Participating	553023.01	4754463.57	19	22	28	29	21	18	6	0	0	0	
224	Residence	Non-Participating	552955.72	4754456.21	18	22	27	28	21	17	5	0	0	0	
225	Residence	Non-Participating	552827.55	4754411.53	17	22	27	27	20	16	4	0	0	0	
226	Residence	Non-Participating	552892.44	4754478.80	18	22	27	28	21	17	5	0	0	0	
229	Residence	Non-Participating	552622.43	4754532.87	19	21	27	28	21	19	7	0	0	0	
230	Residence	Non-Participating	552500.75	4754573.42	19	21	27	28	21	19	8	0	0	0	
231	Residence	Non-Participating	552394.76	4754564.47	18	21	26	28	21	18	6	0	0	0	
232	Residence	Non-Participating	552239.88	4754506.04	19	21	26	28	21	19	8	0	0	0	
233	Residence	Non-Participating	552345.21	4754413.19	19	21	27	28	22	19	9	0	0	0	
234	Residence	Non-Participating	552110.64	4754593.78	17	20	26	27	20	17	5	0	0	0	
235	Residence	Non-Participating	551830.65	4754673.54	17	19	25	26	19	17	5	0	0	0	
236	Residence	Non-Participating	551792.76	4754572.76	17	20	25	26	19	17	6	0	0	0	
237	Residence	Non-Participating	551819.02	4754476.31	17	20	26	27	20	17	6	0	0	0	
238	Residence	Non-Participating	551865.61	4754444.05	18	20	26	27	20	17	7	0	0	0	
239	Residence	Non-Participating	551438.07	4754841.79	15	18	24	25	18	15	3	0	0	0	
240	Residence	Non-Participating	551391.00	4754852.89	15	18	24	25	18	15	3	0	0	0	
241	Residence	Non-Participating	551367.92	4754811.20	15	18	24	25	18	15	3	0	0	0	
242	Residence	Non-Participating	551376.12	4754827.93	15	18	24	25	18	15	3	0	0	0	
243	Residence	Non-Participating	551350.26	4754867.76	15	18	24	25	18	14	2	0	0	0	
244	Residence	Non-Participating	551351.20	4754765.75	15	18	24	25	18	15	3	0	0	0	
245	Residence	Non-Participating	551389.48	4754763.51	15	18	24	25	18	15	3	0	0	0	
246	Residence	Non-Participating	551347.38	4754747.47	15	18	24	25	18	15	3	0	0	0	
247	Residence	Non-Participating	551360.09	4754701.39	15	18	24	25	18	15	3	0	0	0	
248	Residence	Non-Participating	551306.48	4754738.43	15	18	24	25	18	15	3	0	0	0	
249	Residence	Non-Participating	551314.25	4754709.08	15	18	24	25	18	15	3	0	0	0	
250	Residence	Non-Participating	551359.82	4754678.66	15	18	24	25	18	15	3	0	0	0	
251	Residence	Non-Participating	551447.80	4754719.49	16	19	24	25	18	15	3	0	0	0	
252	Residence	Non-Participating	551284.91	4754847.61	15	18	24	25	17	14	2	0	0	0	
253	Residence	Non-Participating	551283.06	4754818.35	15	18	24	25	17	14	2	0	0	0	
254	Residence	Non-Participating	551298.02	4754777.57	15	18	24	25	18	14	2	0	0	0	
255	Residence	Non-Participating	551273.29	4754710.31	15	18	24	25	18	15	3	0	0	0	
256	Residence	Non-Participating	551268.34	4754731.97	15	18	24	25	18	14	2	0	0	0	
257	Residence	Non-Participating	551247.83	4754748.35	15	18	24	25	18	14	2	0	0	0	
258	Residence	Non-Participating	551287.33	4754643.29	15	18	24	25	18	15	3	0	0	0	
259	Residence	Non-Participating	551224.03	4754867.18	14	18	24	25	17	14	2	0	0	0	
260	Residence	Non-Participating	551219.49	4754888.07	14	18	23	24	17	13	0	0	0	0	
261	Residence	Non-Participating	551213.74	4754907.71	14	18	23	24	17	14	1	0	0	0	
262	Residence	Non-Participating	551211.61	4754929.37	14	18	23	24	17	14	1	0	0	0	
263	Residence	Non-Participating	551204.30	4754955.64	14	18	23	24	17	14	1	0	0	0	
264	Residence	Non-Participating	551288.82	4754671.60	15	18	24	25	18	15	3	0	0	0	
265	Residence	Non-Participating	551273.90	4754673.40	15	18	24	25	18	15	3	0	0	0	
266	Residence	Non-Participating	551263.00	4754674.86	15	18	24	25	18	15	3	0	0	0	
267	Residence	Non-Participating	551249.46	4754684.68	15	18	24	25	18	15	2	0	0	0	
268	Residence	Non-Participating	551221.67	4754666.81	15	18	24	25	18	14	2	0	0	0	
269	Residence	Non-Participating	551217.45	4754690.70	15	18	24	25	18	14	2	0	0	0	
270	Residence	Non-Participating	551210.52	4754698.88	15	18	24	25	18	14	2	0	0	0	
271	Residence	Non-Participating	551201.53	4754704.65	15	18	24	25	17	14	2	0	0	0	
272	Residence	Non-Participating	551217.99	4754730.80	15	18	24	25	17	14	2	0	0	0	
273	Residence	Non-Participating	551157.49	4754658.09	15	18	24	25	17	14	2	0	0	0	
274	Residence	Non-Participating	551191.22	4754708.81	15	18	24	25	17	14	2	0	0	0	
275	Residence	Non-Participating	551203.01	4754740.23	15	18	24	25	17	14	2	0	0	0	
276	Residence	Non-Participating	551187.73	4754744.47	15	18	24	25	17	14	2	0	0	0	
277	Residence	Non-Participating	551173.11	4754718.66	15	18	24	25	17	14	2	0	0	0	
278	Residence	Non-Participating	551208.06	4754769.99	15	18	24	25	17	14	2	0	0	0	
279	Residence	Non-Participating	551233.34	4754806.62	15	18	24	25	17	14	2	0	0	0	
280	Residence	Non-Participating	551219.56	4754805.10	15	18	24	25	17	14	2	0	0	0	
281	Residence	Non-Participating	551208.89	4754805.01	15	18	24	25	17	14	2	0	0	0	
282	Residence	Non-Participating	551196.03	4754804.57	15	18	24	25	17	14	2	0	0	0	
283	Residence	Non-Participating	551159.96	4754397.83	15	18	24	25	18	15	3	0	0	0	
284	Residence	Non-Participating	551130.26	4754363.27	15	18	24	25	18	15	3	0	0	0	
285	Residence	Non-Participating	551076.05	4754225.02	15	19	24	25	18	15	3	0	0	0	
287	Residence	Non-Participating	550612.74	4753448.90	20	29	34	28	21	20	10	0	0	0	
288	Residence	Non-Participating	551265.67	4754590.90	15	18	24	25	18	15	3	0	0	0	
289	Residence	Non-Participating	551143.38	4755018.89	12	17	23	23	15	10	0	0	0	0	
290	Residence	Non-Participating	551132.67	4754986.85	10	17	22	22	13	8	0	0	0	0	
291	Residence	Non-Participating	551094.82	4754984.85	14	17	23	24	17	13	1	0	0	0	
292	Residence	Non-Participating	551081.34	4754943.71	14	18	23	24	17	13	1	0	0	0	
293	Residence	Non-Participating	551119.58	4755064.45	14	17	23	24	16	13	0	0	0	0	
294	Residence	Non-Participating	551106.74	4755029.86	13	17	23	24	16	12	0	0	0	0	
295	Residence	Non-Participating	551102.53	4755012.82	13	17	23	24	16	12	0	0	0	0	

Table 7-5.1a: Unmitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
297	Residence	Non-Participating	551096.47	4755269.48	13	17	23	23	16	12	0	0	0	0
298	Residence	Non-Participating	551074.12	4755266.33	12	17	22	23	15	11	0	0	0	0
299	Residence	Non-Participating	551054.17	4755262.67	12	17	22	23	15	10	0	0	0	0
300	Residence	Non-Participating	551106.58	4755151.63	13	17	23	24	16	13	0	0	0	0
301	Residence	Non-Participating	551075.32	4755019.57	13	17	23	24	16	12	0	0	0	0
302	Residence	Non-Participating	551050.07	4755000.14	14	17	23	24	16	13	0	0	0	0
303	Residence	Non-Participating	551089.41	4755015.56	13	17	23	24	16	12	0	0	0	0
304	Residence	Non-Participating	551016.47	4755000.54	14	17	23	24	16	13	0	0	0	0
305	Residence	Non-Participating	550926.18	4755025.15	13	17	23	24	16	13	0	0	0	0
306	Residence	Non-Participating	550902.21	4755030.21	13	17	23	24	16	12	0	0	0	0
307	Residence	Non-Participating	550864.74	4755035.76	13	17	23	23	16	12	0	0	0	0
308	Residence	Non-Participating	550832.57	4755040.95	13	17	23	23	16	12	0	0	0	0
309	Residence	Non-Participating	550813.43	4755049.25	13	17	23	23	16	12	0	0	0	0
310	Residence	Non-Participating	550787.29	4755051.69	13	17	22	23	16	12	0	0	0	0
311	Residence	Non-Participating	550765.69	4755055.14	13	17	22	23	16	12	0	0	0	0
312	Residence	Non-Participating	550738.53	4755060.68	13	17	22	23	16	12	0	0	0	0
313	Residence	Non-Participating	550733.66	4755026.08	13	17	22	23	16	12	0	0	0	0
314	Residence	Non-Participating	550761.51	4755020.67	13	17	22	23	16	12	0	0	0	0
315	Residence	Non-Participating	550784.14	4755016.18	13	17	23	23	16	12	0	0	0	0
316	Residence	Non-Participating	550805.10	4755013.79	13	17	23	23	16	12	0	0	0	0
317	Residence	Non-Participating	550830.46	4755008.57	13	17	23	23	16	12	0	0	0	0
318	Residence	Non-Participating	550854.11	4755004.76	13	17	23	24	16	12	0	0	0	0
319	Residence	Non-Participating	550875.87	4755000.63	13	17	23	24	16	12	0	0	0	0
320	Residence	Non-Participating	550898.55	4754995.13	13	17	23	24	16	13	0	0	0	0
321	Residence	Non-Participating	550924.17	4754990.22	13	17	23	24	16	13	0	0	0	0
322	Residence	Non-Participating	550947.14	4754982.12	13	17	23	24	16	13	0	0	0	0
323	Residence	Non-Participating	551003.16	4754892.98	14	17	23	24	17	13	1	0	0	0
324	Residence	Non-Participating	550953.63	4754942.08	14	17	23	24	16	13	0	0	0	0
325	Residence	Non-Participating	550951.68	4754893.97	14	17	23	24	16	13	0	0	0	0
326	Residence	Non-Participating	550932.16	4754901.06	14	17	23	24	16	13	0	0	0	0
327	Residence	Non-Participating	550924.86	4754940.74	13	17	23	24	16	13	0	0	0	0
328	Residence	Non-Participating	550907.30	4754906.21	13	17	23	24	16	13	0	0	0	0
329	Residence	Non-Participating	550902.26	4754944.25	13	17	23	24	16	13	0	0	0	0
330	Residence	Non-Participating	550882.99	4754908.86	13	17	23	24	16	13	0	0	0	0
331	Residence	Non-Participating	550877.88	4754951.63	13	17	23	24	16	13	0	0	0	0
332	Residence	Non-Participating	550859.79	4754914.95	13	17	23	24	16	13	0	0	0	0
333	Residence	Non-Participating	550853.17	4754953.37	13	17	23	24	16	13	0	0	0	0
334	Residence	Non-Participating	550836.80	4754918.41	13	17	23	24	16	13	0	0	0	0
335	Residence	Non-Participating	550835.17	4754956.90	13	17	23	24	16	12	0	0	0	0
336	Residence	Non-Participating	550811.53	4754921.81	13	17	23	24	16	12	0	0	0	0
337	Residence	Non-Participating	550811.03	4754959.46	13	17	23	23	16	12	0	0	0	0
338	Residence	Non-Participating	550788.34	4754927.78	13	17	23	23	16	12	0	0	0	0
339	Residence	Non-Participating	550782.70	4754966.07	13	17	23	23	16	12	0	0	0	0
340	Residence	Non-Participating	550759.41	4754973.37	13	17	23	23	16	12	0	0	0	0
341	Residence	Non-Participating	550536.56	4754834.20	11	17	22	22	14	10	0	0	0	0
342	Residence	Non-Participating	550559.36	4754845.37	12	17	22	23	15	10	0	0	0	0
343	Residence	Non-Participating	550537.49	4754880.60	12	17	22	23	15	11	0	0	0	0
344	Residence	Non-Participating	550563.03	4754888.12	12	17	22	23	15	12	0	0	0	0
345	Residence	Non-Participating	550581.18	4754849.29	12	17	22	23	15	11	0	0	0	0
346	Residence	Non-Participating	550606.18	4754858.64	12	17	22	23	15	11	0	0	0	0
347	Residence	Non-Participating	550581.06	4754892.30	12	17	22	23	15	12	0	0	0	0
348	Residence	Non-Participating	550627.87	4754866.16	12	17	22	23	15	11	0	0	0	0
349	Residence	Non-Participating	550606.38	4754901.75	13	17	22	23	15	12	0	0	0	0
350	Residence	Non-Participating	550646.19	4754871.73	12	17	22	23	15	11	0	0	0	0
351	Residence	Non-Participating	550629.92	4754910.37	13	17	22	23	15	12	0	0	0	0
352	Residence	Non-Participating	550651.92	4754918.85	13	17	22	23	16	12	0	0	0	0
353	Residence	Non-Participating	550676.03	4754882.55	12	17	22	23	15	11	0	0	0	0
354	Residence	Non-Participating	550697.98	4754891.67	13	17	23	23	16	12	0	0	0	0
355	Residence	Non-Participating	550718.13	4754897.82	13	17	23	23	16	12	0	0	0	0
356	Residence	Non-Participating	550674.19	4754922.88	13	17	22	23	16	12	0	0	0	0
357	Residence	Non-Participating	550696.75	4754931.72	13	17	22	23	16	12	0	0	0	0
358	Residence	Non-Participating	550721.27	4754938.63	13	17	23	23	16	12	0	0	0	0
359	Residence	Non-Participating	550569.94	4754927.90	12	17	22	23	15	12	0	0	0	0
360	Residence	Non-Participating	550593.65	4754938.80	13	17	22	23	15	12	0	0	0	0
361	Residence	Non-Participating	550614.53	4754943.30	13	17	22	23	15	12	0	0	0	0
362	Residence	Non-Participating	550635.87	4754950.52	13	17	22	23	16	12	0	0	0	0
363	Residence	Non-Participating	550661.03	4754960.54	13	17	22	23	16	12	0	0	0	0
364	Residence	Non-Participating	550566.67	4754968.96	12	17	22	23	15	12	0	0	0	0
365	Residence	Non-Participating	550588.92	4754977.80	12	17	22	23	15	12	0	0	0	0
367	Residence	Non-Participating	550163.82	4755713.22	10	15	21	21	13	9	0	0	0	0
370	Residence	Non-Participating	549894.89	4755626.38	10	15	20	21	13	8	0	0	0	0
371	Residence	Non-Participating	549908.67	4755667.97	10	15	20	21	13	8	0	0	0	0
372	Residence	Non-Participating	549865.81	4755607.45	10	15	20	21	13	8	0	0	0	0
373	Residence	Non-Participating	549852.45	4755533.47	10	15	20	21	13	8	0	0	0	0
374	Residence	Non-Participating	549774.54	4755556.47	9	15	20	21	12	8	0	0	0	0
376	Residence	Non-Participating	549526.20	4755402.39	9	15	20	21	12	7	0	0	0	0
377	Residence	Non-Participating	549490.82	4755370.60	9	15	20	20	12	7	0	0	0	0
378	Residence	Non-Participating	549348.85	4755236.33	9	14	20	20	12	7	0	0	0	0
379	Residence	Non-Participating	548981.38	4754313.49	8	14	20	20	11	5	0	0	0	0
380	Residence	Non-Participating	549233.49	4754417.60	7	15	20	20	11	5	0	0	0	0
381	Residence	Non-Participating	548351.04	4754688.66	7	13	19	19	10	5	0	0	0	0
382	Residence	Non-Participating	548524.96	4754025.22	7	14	19	19	11	5	0	0	0	0
383	Residence	Non-Participating	548435.67	4753966.26	8	14	19	20	11	6	0	0	0	0
384	Residence	Non-Participating	548388.96	4753886.51	7	14	19	19	11	5	0	0	0	0

Table 7-5.1a: Unmitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
385	Residence	Non-Participating	547889.56	4754422.75	6	13	18	18	9	4	0	0	0	0
386	Residence	Non-Participating	547594.46	4754197.17	6	13	18	18	9	3	0	0	0	0
387	Residence	Non-Participating	547653.89	4754252.46	6	13	18	18	9	3	0	0	0	0
388	Residence	Non-Participating	547726.87	4754321.39	6	13	18	18	9	3	0	0	0	0
389	Residence	Non-Participating	549033.25	4751956.98	10	15	21	21	13	8	0	0	0	0
390	Residence	Non-Participating	549022.33	4751492.26	10	15	20	21	13	8	0	0	0	0
391	Residence	Non-Participating	549249.43	4751270.26	10	15	21	21	13	9	0	0	0	0
393	Residence	Non-Participating	551158.81	4749264.64	12	16	22	23	15	11	0	0	0	0
394	Residence	Non-Participating	553410.52	4748301.00	12	16	22	23	15	11	0	0	0	0
395	Residence	Non-Participating	553233.41	4748367.33	12	17	22	23	15	11	0	0	0	0
396	Residence	Non-Participating	553375.92	4748408.61	13	17	22	23	15	12	0	0	0	0
397	Residence	Non-Participating	553293.94	4748530.05	13	17	23	23	16	12	0	0	0	0
398	Residence	Non-Participating	553288.85	4748783.36	14	17	23	24	17	13	1	0	0	0
399	Residence	Non-Participating	556001.32	4750730.56	24	31	37	31	24	24	15	0	0	0
400	Residence	Non-Participating	553185.76	4750210.79	24	32	38	31	25	25	17	0	0	0
401	Residence	Non-Participating	552349.44	4754129.23	20	22	28	29	23	20	10	0	0	0
403	Residence	Non-Participating	552185.69	4752390.38	23	24	30	31	25	23	14	0	0	0
406	Residence	Non-Participating	550429.90	4752241.65	15	18	24	25	17	14	2	0	0	0
407	Residence	Non-Participating	551434.85	4748588.34	11	16	21	22	14	10	0	0	0	0
408	Residence	Non-Participating	551509.51	4748562.13	11	16	21	22	14	10	0	0	0	0
409	Residence	Non-Participating	552894.34	4749050.10	14	18	23	24	17	14	1	0	0	0
410	Residence	Non-Participating	552986.65	4749028.41	14	18	24	24	17	14	2	0	0	0
411	Residence	Non-Participating	553028.58	4749044.41	15	18	24	25	17	14	2	0	0	0
412	Residence	Non-Participating	553104.89	4749100.81	15	18	24	25	17	14	2	0	0	0
413	Residence	Non-Participating	553366.60	4749180.10	15	18	24	25	18	15	3	0	0	0
414	Residence	Non-Participating	553423.99	4749256.20	16	19	24	25	18	15	4	0	0	0
415	Residence	Non-Participating	553448.37	4749428.97	16	19	25	26	19	16	5	0	0	0
416	Residence	Non-Participating	553410.82	4749414.98	16	19	25	26	19	16	5	0	0	0
417	Residence	Non-Participating	553406.67	4749443.81	16	19	25	26	19	16	5	0	0	0
418	Residence	Non-Participating	553431.75	4749567.75	17	20	25	26	19	17	5	0	0	0
419	Residence	Non-Participating	553626.20	4749451.77	17	19	25	26	19	16	5	0	0	0
420	Residence	Non-Participating	553634.19	4749471.79	17	19	25	26	19	16	5	0	0	0
421	Residence	Non-Participating	553643.57	4749489.52	17	19	25	26	19	17	5	0	0	0
422	Residence	Non-Participating	553407.05	4749773.65	18	20	26	27	20	18	7	0	0	0
423	Residence	Non-Participating	553983.54	4749933.68	19	21	27	28	21	19	8	0	0	0
424	Residence	Non-Participating	555173.49	4750134.49	19	21	26	28	21	19	8	0	0	0
425	Residence	Non-Participating	555207.56	4750221.59	19	21	27	28	21	19	8	0	0	0
426	Residence	Non-Participating	555338.78	4750321.81	19	21	27	28	21	19	9	0	0	0
427	Residence	Non-Participating	555349.53	4750479.06	20	21	27	29	22	20	10	0	0	0
428	Residence	Non-Participating	555438.17	4750536.27	20	21	27	29	22	20	10	0	0	0
429	Residence	Non-Participating	555846.23	4750675.55	19	21	27	28	21	19	9	0	0	0
430	Residence	Non-Participating	554878.22	4751320.86	31	36	42	36	30	31	25	11	0	0
431	Residence	Non-Participating	554716.98	4751199.68	31	36	42	36	30	31	24	11	0	0
432	Residence	Non-Participating	554651.09	4751173.01	31	36	42	36	30	31	25	11	0	0
433	Residence	Non-Participating	554439.15	4751098.15	31	36	42	36	30	31	25	11	0	0
435	Residence	Non-Participating	554221.22	4750614.26	28	34	40	34	28	28	21	4	0	0
436	Residence	Non-Participating	554071.16	4750539.40	27	34	39	33	27	27	20	3	0	0
437	Residence	Non-Participating	553198.23	4750221.86	25	32	38	31	25	25	17	0	0	0
438	Residence	Non-Participating	552630.81	4749781.96	17	19	25	26	19	16	5	0	0	0
439	Residence	Non-Participating	552139.68	4749540.13	20	29	34	28	21	20	10	0	0	0
440	Residence	Non-Participating	551342.64	4749649.80	13	17	23	24	16	13	0	0	0	0
441	Residence	Non-Participating	551641.64	4749636.40	14	18	23	24	17	13	1	0	0	0
442	Residence	Non-Participating	551984.34	4749770.31	15	18	24	25	18	15	3	0	0	0
443	Residence	Non-Participating	551945.18	4749889.18	16	19	24	25	18	15	3	0	0	0
444	Residence	Non-Participating	551920.47	4749921.68	16	19	24	25	18	15	3	0	0	0
445	Residence	Non-Participating	551849.72	4749991.56	16	19	24	25	18	15	3	0	0	0
446	Residence	Non-Participating	551698.69	4750089.38	15	19	24	25	18	15	3	0	0	0
447	Residence	Non-Participating	551676.72	4750130.29	16	19	24	25	18	15	3	0	0	0
448	Residence	Non-Participating	551657.14	4750165.55	16	19	24	25	18	15	3	0	0	0
451	Residence	Non-Participating	551533.62	4750503.47	21	30	35	29	22	21	12	0	0	0
452	Residence	Non-Participating	551597.12	4750545.03	21	30	35	29	22	21	12	0	0	0
455	Residence	Non-Participating	552736.48	4751255.66	23	24	30	31	25	23	14	0	0	0
456	Residence	Non-Participating	552769.86	4751277.02	23	24	30	31	25	24	15	0	0	0
457	Residence	Non-Participating	552830.19	4751320.02	24	24	30	32	26	24	15	0	0	0
458	Residence	Non-Participating	553436.51	4751759.80	30	29	35	37	31	30	23	12	0	0
459	Residence	Non-Participating	553506.02	4751738.27	36	40	46	40	34	36	30	20	0	0
460	Residence	Non-Participating	553483.84	4751851.04	36	40	46	41	35	36	31	21	0	0
461	Residence	Non-Participating	553735.55	4751741.11	32	30	36	38	33	32	24	14	0	0
462	Residence	Non-Participating	553602.95	4751849.63	37	41	47	42	36	37	32	22	0	0
463	Residence	Non-Participating	553679.93	4751877.58	38	42	48	43	37	38	33	24	1	0
464	Residence	Non-Participating	553955.49	4751998.63	41	44	50	46	40	41	36	28	10	0
465	Residence	Non-Participating	554013.92	4752018.30	42	45	51	47	40	42	37	29	12	0
466	Residence	Non-Participating	554330.16	4752045.99	41	44	50	46	39	41	36	28	10	0
467	Residence	Non-Participating	554385.45	4752105.59	41	44	50	46	40	41	36	28	10	0
468	Residence	Non-Participating	554996.21	4752983.11	30	29	35	37	31	30	22	11	0	0
469	Residence	Non-Participating	552463.19	4751826.01	24	24	30	32	26	24	15	0	0	0
470	Residence	Non-Participating	552415.86	4751905.24	24	24	30	32	26	24	15	0	0	0
471	Residence	Non-Participating	552384.43	4751953.62	24	24	30	32	25	24	15	0	0	0
472	Residence	Non-Participating	550864.41	4750895.54	19	29	34	28	21	19	9	0	0	0
473	Residence	Non-Participating	550437.71	4750644.56	18	28	33	26	19	17	6	0	0	0
474	Residence	Non-Participating	550416.04	4750554.30	13	17	22	23	16	12	0	0	0	0
475	Residence	Non-Participating	550486.99	4750502.42	18	28	33	26	19	17	6	0	0	0
476	Residence	Non-Participating	550994.06	4751341.10	16	19	25	26	19	16	4	0	0	0
477	Residence	Non-Participating	550857.25	4751368.13	15	19	24	25	18	15	3	0	0	0

Table 7-5.1a: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
478	Residence	Non-Participating	550757.63	4751376.95	15	18	24	25	18	15	3	0	0	0	
479	Residence	Non-Participating	550696.17	4751558.34	15	18	24	25	18	15	3	0	0	0	
480	Residence	Non-Participating	550539.97	4751547.18	15	18	24	25	17	14	2	0	0	0	
481	Residence	Non-Participating	550327.91	4751516.47	14	17	23	24	17	13	0	0	0	0	
482	Residence	Non-Participating	550699.44	4751654.52	15	18	24	25	18	15	3	0	0	0	
483	Residence	Non-Participating	550669.44	4752004.85	15	18	24	25	18	15	3	0	0	0	
484	Residence	Non-Participating	550340.44	4752119.24	14	18	23	24	17	14	1	0	0	0	
485	Residence	Non-Participating	550406.61	4752193.43	14	18	24	24	17	14	2	0	0	0	
487	Residence	Non-Participating	550360.85	4752323.22	14	18	23	24	17	14	1	0	0	0	
488	Residence	Non-Participating	548909.80	4752806.39	10	15	20	21	13	8	0	0	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	10	15	20	21	13	8	0	0	0	0	
490	Residence	Non-Participating	549715.75	4753011.53	12	16	22	23	15	11	0	0	0	0	
491	Residence	Non-Participating	549604.03	4752964.13	12	16	22	22	15	11	0	0	0	0	
497	Residence	Non-Participating	548989.32	4753277.25	10	15	20	21	13	8	0	0	0	0	
498	Residence	Non-Participating	549058.44	4753446.84	10	15	21	21	13	8	0	0	0	0	
502	Residence	Non-Participating	548729.84	4754058.42	9	14	20	20	12	7	0	0	0	0	
504	Residence	Non-Participating	550230.99	4755026.90	7	15	20	19	10	4	0	0	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	26	26	32	34	28	26	18	4	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	20	22	28	29	22	20	10	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	21	22	28	29	23	21	11	0	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	16	19	25	26	19	16	5	0	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	17	19	25	26	19	16	5	0	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	18	20	26	27	20	18	7	0	0	0	
512	Residence	Non-Participating	555076.34	4749863.02	18	20	26	27	20	18	7	0	0	0	
514	Residence	Non-Participating	549153.02	4751377.72	10	15	21	21	13	9	0	0	0	0	
515	Residence	Non-Participating	548917.85	4751629.91	9	15	20	21	12	8	0	0	0	0	
516	Residence	Non-Participating	549152.91	4751526.35	10	15	21	21	13	9	0	0	0	0	
517	Residence	Non-Participating	549314.70	4755280.09	9	14	20	20	12	7	0	0	0	0	
518	Residence	Non-Participating	549706.22	4755534.47	9	15	20	21	12	8	0	0	0	0	
519	Residence	Non-Participating	549942.05	4755557.33	10	15	21	21	13	8	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
465	Residence	Non-Participating	554013.92	4752018.30	42	45	51	47	40	42	37	29	12	0	
386	Residence	Non-Participating	547594.46	4754197.17	6	13	18	18	9	3	0	0	0	0	

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
465	Residence	Non-Participating	554013.92	4752018.30	42	45	51	47	40	42	37	29	12	0	
464	Residence	Non-Participating	553955.49	4751998.63	41	44	50	46	40	41	36	28	10	0	
467	Residence	Non-Participating	554385.45	4752105.59	41	44	50	46	40	41	36	28	10	0	
466	Residence	Non-Participating	554330.16	4752045.99	41	44	50	46	39	41	36	28	10	0	
463	Residence	Non-Participating	553679.93	4751877.58	38	42	48	43	37	38	33	24	1	0	
462	Residence	Non-Participating	553602.95	4751849.63	37	41	47	42	36	37	32	22	0	0	
460	Residence	Non-Participating	553483.84	4751851.04	36	40	46	41	35	36	31	21	0	0	
459	Residence	Non-Participating	553506.02	4751738.27	36	40	46	40	34	36	30	20	0	0	
128	Residence	Non-Participating	555111.42	4752030.41	33	38	44	38	33	34	28	16	0	0	
129	Residence	Non-Participating	555109.17	4751999.69	33	38	44	38	33	34	28	16	0	0	
127	Residence	Non-Participating	555150.42	4752043.77	33	38	44	38	32	33	27	16	0	0	
125	Residence	Non-Participating	555278.06	4752246.63	33	38	43	38	32	33	27	15	0	0	
124	Residence	Non-Participating	555303.73	4752278.93	33	37	43	38	32	33	27	14	0	0	
123	Residence	Non-Participating	555314.75	4752326.25	33	37	43	38	32	33	27	14	0	0	
126	Residence	Non-Participating	555310.17	4752191.86	32	37	43	37	32	33	26	14	0	0	
130	Residence	Non-Participating	555181.62	4751872.74	32	37	43	37	32	32	26	14	0	0	
131	Residence	Non-Participating	555071.83	4751700.54	32	37	43	37	31	32	26	14	0	0	
132	Residence	Non-Participating	555052.74	4751624.77	32	37	43	37	31	32	26	13	0	0	
122	Residence	Non-Participating	555389.22	4752260.79	32	37	43	37	31	32	26	13	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	32	37	43	37	31	32	26	13	0	0	
461	Residence	Non-Participating	553735.55	4751741.11	32	30	36	38	33	32	24	14	0	0	
121	Residence	Non-Participating	555444.52	4752334.26	31	37	43	37	31	32	25	12	0	0	
133	Residence	Non-Participating	555139.23	4751628.39	31	37	42	37	31	32	25	12	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	31	36	42	36	31	31	25	11	0	0	
430	Residence	Non-Participating	554878.22	4751320.86	31	36	42	36	30	31	25	11	0	0	
433	Residence	Non-Participating	554439.15	4751098.15	31	36	42	36	30	31	25	11	0	0	
432	Residence	Non-Participating	554651.09	4751173.01	31	36	42	36	30	31	25	11	0	0	
431	Residence	Non-Participating	554716.98	4751199.68	31	36	42	36	30	31	24	11	0	0	
458	Residence	Non-Participating	553436.51	4751759.80	30	29	35	37	31	30	23	12	0	0	
468	Residence	Non-Participating	554996.21	4752983.11	30	29	35	37	31	30	22	11	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	29	35	41	35	29	29	23	7	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	29	35	40	34	28	29	22	7	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	28	35	40	34	28	29	22	6	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	28	35	40	34	28	29	22	6	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	28	34	40	34	28	29	22	6	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	28	34	40	34	28	29	22	6	0	0	
108	Residence	Non-Participating	555791.22	4753184.54	28	34	40	34	28	29	21	6	0	0	
110	Residence	Non-Participating	555817.29	4753094.52	28	34	40	34	28	29	21	6	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	28	34	40	34	28	28	21	6	0	0	
107	Residence	Non-Participating	555822.18	4753188.69	28	34	40	34	28	28	21	5	0	0	
106	Residence	Non-Participating	555847.25	4753231.57	28	34	40	34	28	28	21	5	0	0	
111	Residence	Non-Participating	555867.13	4753181.53	28	34	40	34	28	28	21	5	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	28	34	40	34	28	28	21	4	0	0	
435	Residence	Non-Participating	554221.22	4750614.26	28	34	40	34	28	28	21	4	0	0	
112	Residence	Non-Participating	555889.77	4753223.55	28	34	40	34	28	28	21	4	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	28	27	33	35	29	28	20	7	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	27	34	40	34	27	28	20	4	0	0	
436	Residence	Non-Participating	554071.16	4750539.40	27	34	39	33	27	27	20	3	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	26	26	32	34	28	27	18	5	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	26	26	32	34	28	26	18	4	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	26	26	32	34	28	26	18	4	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	26	26	32	33	28	26	18	4	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	26	33	39	32	26	26	18	0	0	0	
139	Residence	Non-Participating	551778.30	4752503.24	26	33	38	32	26	26	18	0	0	0	
219	Residence	Non-Participating	553788.75	4754034.02	26	26	32	33	27	26	17	3	0	0	
205	Residence	Non-Participating	556213.27	4751774.05	26	33	38	32	26	26	18	0	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	25	32	38	32	26	26	18	0	0	0	
103	Residence	Non-Participating	555414.87	4753215.13	25	26	31	33	27	25	16	0	0	0	
200	Residence	Non-Participating	555951.70	4751023.36	25	32	38	32	25	25	17	0	0	0	
437	Residence	Non-Participating	553198.23	4750221.86	25	32	38	31	25	25	17	0	0	0	
102	Residence	Non-Participating	552906.80	4751355.90	25	25	31	32	26	25	16	1	0	0	
400	Residence	Non-Participating	553185.76	4750210.79	24	32	38	31	25	25	17	0	0	0	
201	Residence	Non-Participating	556299.02	4751489.59	24	32	38	31	25	25	17	0	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	24	32	37	31	25	24	16	0	0	0	
104	Residence	Non-Participating	555583.14	4753304.80	24	25	30	32	26	24	15	0	0	0	
457	Residence	Non-Participating	552830.19	4751320.02	24	24	30	32	26	24	15	0	0	0	
469	Residence	Non-Participating	552463.19	4751826.01	24	24	30	32	26	24	15	0	0	0	
470	Residence	Non-Participating	552415.86	4751905.24	24	24	30	32	26	24	15	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	24	24	30	32	26	24	15	0	0	0	
471	Residence	Non-Participating	552384.43	4751953.62	24	24	30	32	25	24	15	0	0	0	
399	Residence	Non-Participating	556001.32	4750730.56	24	31	37	31	24	24	15	0	0	0	
456	Residence	Non-Participating	552769.86	4751277.02	23	24	30	31	25	24	15	0	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	23	24	30	31	25	24	15	0	0	0	
455	Residence	Non-Participating	552736.48	4751255.66	23	24	30	31	25	23	14	0	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	23	24	30	31	25	23	14	0	0	0	
220	Residence	Non-Participating	553118.80	4754272.46	23	23	29	31	24	23	13	0	0	0	
222	Residence	Non-Participating	553202.75	4754319.09	22	23	29	31	24	23	13	0	0	0	
168	Residence	Non-Participating	552058.11	4752751.95	22	23	29	30	24	22	13	0	0	0	
221	Residence	Non-Participating	553211.92	4754368.10	22	23	29	30	24	22	13	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	22	23	29	30	24	22	13	0	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	22	23	29	30	24	22	13	0	0	0	
96	Residence	Non-Participating	552037.80	4752985.58	22	23	29	30	24	22	12	0	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	22	23	29	30	24	22	12	0	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	22	30	36	29	22	22	13	0	0	0	

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
198	Residence	Non-Participating	556617.91	4750861.79	22	30	36	29	22	22	13	0	0	0	
95	Residence	Non-Participating	551958.41	4753020.24	21	23	28	30	23	22	12	0	0	0	
58	Residence	Non-Participating	555200.32	4749639.45	21	30	36	29	22	22	12	0	0	0	
452	Residence	Non-Participating	551597.12	4750545.03	21	30	35	29	22	21	12	0	0	0	
134	Residence	Non-Participating	551914.00	4752906.30	21	22	28	30	23	21	12	0	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	21	30	35	29	22	21	12	0	0	0	
94	Residence	Non-Participating	551926.20	4753102.00	21	22	28	30	23	21	11	0	0	0	
451	Residence	Non-Participating	551533.62	4750503.47	21	30	35	29	22	21	12	0	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	21	30	35	29	22	21	12	0	0	0	
92	Residence	Non-Participating	551525.79	4750504.83	21	30	35	29	22	21	12	0	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	21	22	28	29	23	21	11	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	21	22	28	29	23	21	11	0	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	21	22	28	29	23	21	11	0	0	0	
401	Residence	Non-Participating	552349.44	4754129.23	20	22	28	29	23	20	10	0	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	20	22	28	29	22	20	10	0	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	20	29	35	28	21	20	11	0	0	0	
428	Residence	Non-Participating	555438.17	4750536.27	20	21	27	29	22	20	10	0	0	0	
427	Residence	Non-Participating	555349.53	4750479.06	20	21	27	29	22	20	10	0	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	20	29	35	28	21	20	10	0	0	0	
287	Residence	Non-Participating	550612.74	4753448.90	20	29	34	28	21	20	10	0	0	0	
439	Residence	Non-Participating	552139.68	4749540.13	20	29	34	28	21	20	10	0	0	0	
472	Residence	Non-Participating	550864.41	4750895.54	19	29	34	28	21	19	9	0	0	0	
233	Residence	Non-Participating	552345.21	4754413.19	19	21	27	28	22	19	9	0	0	0	
426	Residence	Non-Participating	555338.78	4750321.81	19	21	27	28	21	19	9	0	0	0	
429	Residence	Non-Participating	555846.23	4750675.55	19	21	27	28	21	19	9	0	0	0	
65	Residence	Non-Participating	555326.36	4750299.14	19	21	27	28	21	19	9	0	0	0	
425	Residence	Non-Participating	555207.56	4750221.59	19	21	27	28	21	19	8	0	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	19	28	34	27	20	19	9	0	0	0	
423	Residence	Non-Participating	553983.54	4749933.68	19	21	27	28	21	19	8	0	0	0	
424	Residence	Non-Participating	555173.49	4750134.49	19	21	26	28	21	19	8	0	0	0	
229	Residence	Non-Participating	552622.43	4754532.87	19	21	27	28	21	19	7	0	0	0	
230	Residence	Non-Participating	552500.75	4754573.42	19	21	27	28	21	19	8	0	0	0	
232	Residence	Non-Participating	552239.88	4754506.04	19	21	26	28	21	19	8	0	0	0	
141	Residence	Non-Participating	550260.97	4753028.28	19	28	34	27	20	18	8	0	0	0	
223	Residence	Non-Participating	553023.01	4754463.57	19	22	28	29	21	18	6	0	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	19	24	29	29	21	18	6	0	0	0	
68	Residence	Non-Participating	555137.11	4750029.20	18	20	26	27	21	18	7	0	0	0	
138	Residence	Non-Participating	551321.25	4752157.29	18	20	26	27	21	18	7	0	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	18	20	26	27	20	18	7	0	0	0	
99	Residence	Non-Participating	551588.21	4753855.54	18	20	26	27	20	18	7	0	0	0	
62	Residence	Non-Participating	555117.84	4749958.10	18	20	26	27	20	18	7	0	0	0	
98	Residence	Non-Participating	551570.84	4753904.92	18	20	26	27	20	18	7	0	0	0	
231	Residence	Non-Participating	552394.76	4754564.47	18	21	26	28	21	18	6	0	0	0	
226	Residence	Non-Participating	552892.44	4754478.80	18	22	27	28	21	17	5	0	0	0	
422	Residence	Non-Participating	553407.05	4749773.65	18	20	26	27	20	18	7	0	0	0	
137	Residence	Non-Participating	551242.05	4752107.85	18	20	26	27	20	18	7	0	0	0	
224	Residence	Non-Participating	552955.72	4754456.21	18	22	27	28	21	17	5	0	0	0	
512	Residence	Non-Participating	555076.34	4749863.02	18	20	26	27	20	18	7	0	0	0	
238	Residence	Non-Participating	551865.61	4754444.05	18	20	26	27	20	17	7	0	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	18	28	33	26	19	17	6	0	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	18	28	33	26	19	17	6	0	0	0	
143	Residence	Non-Participating	549935.88	4752984.91	17	27	33	26	19	17	6	0	0	0	
60	Residence	Non-Participating	555054.50	4749780.10	17	20	26	27	20	17	6	0	0	0	
237	Residence	Non-Participating	551819.02	4754476.31	17	20	26	27	20	17	6	0	0	0	
59	Residence	Non-Participating	555115.67	4749759.00	17	20	25	27	20	17	6	0	0	0	
234	Residence	Non-Participating	552110.64	4754593.78	17	20	26	27	20	17	5	0	0	0	
56	Residence	Non-Participating	554794.56	4749621.54	17	20	25	26	20	17	6	0	0	0	
236	Residence	Non-Participating	551792.76	4754572.76	17	20	25	26	19	17	6	0	0	0	
418	Residence	Non-Participating	553431.75	4749567.75	17	20	25	26	19	17	5	0	0	0	
225	Residence	Non-Participating	552827.55	4754411.53	17	22	27	27	20	16	4	0	0	0	
10	Residence	Non-Participating	553620.51	4749511.82	17	19	25	26	19	17	5	0	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	17	19	25	26	19	17	5	0	0	0	
100	Residence	Non-Participating	551449.45	4754199.65	17	19	25	26	19	17	5	0	0	0	
235	Residence	Non-Participating	551830.65	4754673.54	17	19	25	26	19	17	5	0	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	17	19	25	26	19	17	5	0	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	17	19	25	26	19	17	5	0	0	0	
57	Residence	Non-Participating	554895.30	4749569.97	17	19	25	26	19	16	5	0	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	17	19	25	26	19	16	5	0	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	17	19	25	26	19	16	5	0	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	17	19	25	26	19	16	5	0	0	0	
419	Residence	Non-Participating	553626.20	4749451.77	17	19	25	26	19	16	5	0	0	0	
438	Residence	Non-Participating	552630.81	4749781.96	17	19	25	26	19	16	5	0	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	17	19	25	26	19	16	5	0	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	17	19	25	26	19	16	5	0	0	0	
43	Residence	Non-Participating	554143.66	4749432.07	17	19	25	26	19	16	5	0	0	0	
12	Residence	Non-Participating	553577.66	4749441.54	17	19	25	26	19	16	5	0	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	17	19	25	26	19	16	5	0	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	17	19	25	26	19	16	5	0	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	17	19	25	26	19	16	5	0	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	16	19	25	26	19	16	5	0	0	0	
11	Residence	Non-Participating	553607.06	4749417.70	16	19	25	26	19	16	5	0	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	16	19	25	26	19	16	5	0	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	16	19	25	26	19	16	5	0	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	16	19	25	26	19	16	5	0	0	0	

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
39	Residence	Non-Participating	553977.57	4749391.48	16	19	25	26	19	16	5	0	0	0
34	Residence	Non-Participating	553815.53	4749386.41	16	19	25	26	19	16	5	0	0	0
38	Residence	Non-Participating	553960.01	4749383.92	16	19	25	26	19	16	5	0	0	0
194	Residence	Non-Participating	555802.43	4749877.62	16	19	25	26	19	16	5	0	0	0
15	Residence	Non-Participating	553564.27	4749411.72	16	19	25	26	19	16	5	0	0	0
415	Residence	Non-Participating	553448.37	4749428.97	16	19	25	26	19	16	5	0	0	0
509	Residence	Non-Participating	553925.35	4749375.44	16	19	25	26	19	16	5	0	0	0
48	Residence	Non-Participating	552422.18	4749780.50	16	19	25	26	19	16	4	0	0	0
416	Residence	Non-Participating	553410.82	4749414.98	16	19	25	26	19	16	5	0	0	0
29	Residence	Non-Participating	553708.92	4749353.07	16	19	25	26	19	16	4	0	0	0
32	Residence	Non-Participating	553786.39	4749339.35	16	19	25	26	19	16	4	0	0	0
33	Residence	Non-Participating	553810.04	4749348.12	16	19	25	26	19	16	4	0	0	0
35	Residence	Non-Participating	553842.45	4749353.44	16	19	25	26	19	16	4	0	0	0
190	Residence	Non-Participating	555384.61	4749593.85	16	19	25	26	19	16	4	0	0	0
30	Residence	Non-Participating	553730.45	4749320.50	16	19	25	26	19	16	4	0	0	0
28	Residence	Non-Participating	553710.71	4749317.74	16	19	25	26	19	16	4	0	0	0
27	Residence	Non-Participating	553684.46	4749312.08	16	19	25	26	19	16	4	0	0	0
476	Residence	Non-Participating	550994.06	4751341.10	16	19	25	26	19	16	4	0	0	0
24	Residence	Non-Participating	553574.39	4749309.19	16	19	25	26	19	16	4	0	0	0
25	Residence	Non-Participating	553620.54	4749291.76	16	19	25	26	19	16	4	0	0	0
49	Residence	Non-Participating	552215.88	4749784.96	16	19	24	25	18	15	4	0	0	0
23	Residence	Non-Participating	553561.73	4749272.69	16	19	24	26	18	15	4	0	0	0
18	Residence	Non-Participating	553475.99	4749272.63	16	19	24	25	18	15	4	0	0	0
414	Residence	Non-Participating	553423.99	4749256.20	16	19	24	25	18	15	4	0	0	0
66	Residence	Non-Participating	553499.88	4749228.65	16	19	24	25	18	15	3	0	0	0
447	Residence	Non-Participating	551676.72	4750130.29	16	19	24	25	18	15	3	0	0	0
448	Residence	Non-Participating	551657.14	4750165.55	16	19	24	25	18	15	3	0	0	0
445	Residence	Non-Participating	551849.72	4749991.56	16	19	24	25	18	15	3	0	0	0
443	Residence	Non-Participating	551945.18	4749889.18	16	19	24	25	18	15	3	0	0	0
444	Residence	Non-Participating	551920.47	4749921.68	16	19	24	25	18	15	3	0	0	0
251	Residence	Non-Participating	551447.80	4754719.49	16	19	24	25	18	15	3	0	0	0
446	Residence	Non-Participating	551698.69	4750089.38	15	19	24	25	18	15	3	0	0	0
477	Residence	Non-Participating	550857.25	4751368.13	15	19	24	25	18	15	3	0	0	0
285	Residence	Non-Participating	551076.05	4754225.02	15	19	24	25	18	15	3	0	0	0
19	Residence	Non-Participating	553488.36	4749190.76	15	19	24	25	18	15	3	0	0	0
483	Residence	Non-Participating	550669.44	4752004.85	15	18	24	25	18	15	3	0	0	0
50	Residence	Non-Participating	552030.15	4749782.86	15	18	24	25	18	15	3	0	0	0
284	Residence	Non-Participating	551130.26	4754363.27	15	18	24	25	18	15	3	0	0	0
283	Residence	Non-Participating	551159.96	4754397.83	15	18	24	25	18	15	3	0	0	0
413	Residence	Non-Participating	553366.60	4749180.10	15	18	24	25	18	15	3	0	0	0
250	Residence	Non-Participating	551359.82	4754678.66	15	18	24	25	18	15	3	0	0	0
247	Residence	Non-Participating	551360.09	4754701.39	15	18	24	25	18	15	3	0	0	0
482	Residence	Non-Participating	550699.44	4751654.52	15	18	24	25	18	15	3	0	0	0
442	Residence	Non-Participating	551984.34	4749770.31	15	18	24	25	18	15	3	0	0	0
245	Residence	Non-Participating	551389.48	4754763.51	15	18	24	25	18	15	3	0	0	0
288	Residence	Non-Participating	551265.67	4754590.90	15	18	24	25	18	15	3	0	0	0
258	Residence	Non-Participating	551287.33	4754643.29	15	18	24	25	18	15	3	0	0	0
478	Residence	Non-Participating	550757.63	4751376.95	15	18	24	25	18	15	3	0	0	0
51	Residence	Non-Participating	552019.77	4749712.13	15	18	24	25	18	15	3	0	0	0
244	Residence	Non-Participating	551351.20	4754765.75	15	18	24	25	18	15	3	0	0	0
265	Residence	Non-Participating	551273.90	4754673.40	15	18	24	25	18	15	3	0	0	0
264	Residence	Non-Participating	551288.82	4754671.60	15	18	24	25	18	15	3	0	0	0
246	Residence	Non-Participating	551347.38	4754747.47	15	18	24	25	18	15	3	0	0	0
249	Residence	Non-Participating	551314.25	4754709.08	15	18	24	25	18	15	3	0	0	0
479	Residence	Non-Participating	550696.17	4751558.34	15	18	24	25	18	15	3	0	0	0
241	Residence	Non-Participating	551367.92	4754811.20	15	18	24	25	18	15	3	0	0	0
242	Residence	Non-Participating	551376.12	4754827.93	15	18	24	25	18	15	3	0	0	0
266	Residence	Non-Participating	551263.00	4754674.86	15	18	24	25	18	15	3	0	0	0
267	Residence	Non-Participating	551249.46	4754684.68	15	18	24	25	18	15	2	0	0	0
255	Residence	Non-Participating	551273.29	4754710.31	15	18	24	25	18	15	3	0	0	0
248	Residence	Non-Participating	551306.48	4754738.43	15	18	24	25	18	15	3	0	0	0
240	Residence	Non-Participating	551391.00	4754852.89	15	18	24	25	18	15	3	0	0	0
239	Residence	Non-Participating	551438.07	4754841.79	15	18	24	25	18	15	3	0	0	0
20	Residence	Non-Participating	553397.22	4749063.25	15	18	24	25	18	14	2	0	0	0
268	Residence	Non-Participating	551221.67	4754666.81	15	18	24	25	18	14	2	0	0	0
256	Residence	Non-Participating	551268.34	4754731.97	15	18	24	25	18	14	2	0	0	0
254	Residence	Non-Participating	551298.02	4754777.57	15	18	24	25	18	14	2	0	0	0
52	Residence	Non-Participating	551922.97	4749679.16	15	18	24	25	17	14	2	0	0	0
272	Residence	Non-Participating	551217.99	4754730.80	15	18	24	25	17	14	2	0	0	0
270	Residence	Non-Participating	551210.52	4754698.88	15	18	24	25	18	14	2	0	0	0
271	Residence	Non-Participating	551201.53	4754704.65	15	18	24	25	17	14	2	0	0	0
269	Residence	Non-Participating	551217.45	4754690.70	15	18	24	25	18	14	2	0	0	0
257	Residence	Non-Participating	551247.83	4754748.35	15	18	24	25	18	14	2	0	0	0
243	Residence	Non-Participating	551350.26	4754867.76	15	18	24	25	18	14	2	0	0	0
412	Residence	Non-Participating	553104.89	4749100.81	15	18	24	25	17	14	2	0	0	0
275	Residence	Non-Participating	551203.01	4754740.23	15	18	24	25	17	14	2	0	0	0
273	Residence	Non-Participating	551157.49	4754658.09	15	18	24	25	17	14	2	0	0	0
274	Residence	Non-Participating	551191.22	4754708.81	15	18	24	25	17	14	2	0	0	0
253	Residence	Non-Participating	551283.06	4754818.35	15	18	24	25	17	14	2	0	0	0
276	Residence	Non-Participating	551187.73	4754744.47	15	18	24	25	17	14	2	0	0	0
21	Residence	Non-Participating	553377.20	4749005.70	15	18	24	25	17	14	2	0	0	0
277	Residence	Non-Participating	551173.11	4754718.66	15	18	24	25	17	14	2	0	0	0
278	Residence	Non-Participating	551208.06	4754769.99	15	18	24	25	17	14	2	0	0	0
281	Residence	Non-Participating	551208.89	4754805.01	15	18	24	25	17	14	2	0	0	0

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
280	Residence	Non-Participating	551219.56	4754805.10	15	18	24	25	17	14	2	0	0	0	
279	Residence	Non-Participating	551233.34	4754806.62	15	18	24	25	17	14	2	0	0	0	
252	Residence	Non-Participating	551284.91	4754847.61	15	18	24	25	17	14	2	0	0	0	
480	Residence	Non-Participating	550539.97	4751547.18	15	18	24	25	17	14	2	0	0	0	
406	Residence	Non-Participating	550429.90	4752241.65	15	18	24	25	17	14	2	0	0	0	
411	Residence	Non-Participating	553028.58	4749044.41	15	18	24	25	17	14	2	0	0	0	
282	Residence	Non-Participating	551196.03	4754804.57	15	18	24	25	17	14	2	0	0	0	
485	Residence	Non-Participating	550406.61	4752193.43	14	18	24	24	17	14	2	0	0	0	
410	Residence	Non-Participating	552986.65	4749028.41	14	18	24	24	17	14	2	0	0	0	
259	Residence	Non-Participating	551224.03	4754867.18	14	18	24	25	17	14	2	0	0	0	
487	Residence	Non-Participating	550360.85	4752323.22	14	18	23	24	17	14	1	0	0	0	
409	Residence	Non-Participating	552894.34	4749050.10	14	18	23	24	17	14	1	0	0	0	
261	Residence	Non-Participating	551213.74	4754907.71	14	18	23	24	17	14	1	0	0	0	
262	Residence	Non-Participating	551211.61	4754929.37	14	18	23	24	17	14	1	0	0	0	
263	Residence	Non-Participating	551204.30	4754955.64	14	18	23	24	17	14	1	0	0	0	
484	Residence	Non-Participating	550340.44	4752119.24	14	18	23	24	17	14	1	0	0	0	
441	Residence	Non-Participating	551641.64	4749636.40	14	18	23	24	17	13	1	0	0	0	
292	Residence	Non-Participating	551081.34	4754943.71	14	18	23	24	17	13	1	0	0	0	
260	Residence	Non-Participating	551219.49	4754888.07	14	18	23	24	17	13	0	0	0	0	
398	Residence	Non-Participating	553288.85	4748783.36	14	17	23	24	17	13	1	0	0	0	
291	Residence	Non-Participating	551094.82	4754984.85	14	17	23	24	17	13	1	0	0	0	
481	Residence	Non-Participating	550327.91	4751516.47	14	17	23	24	17	13	0	0	0	0	
54	Residence	Non-Participating	551570.52	4749612.37	14	17	23	24	17	13	1	0	0	0	
323	Residence	Non-Participating	551003.16	4754892.98	14	17	23	24	17	13	1	0	0	0	
188	Amish Community	Non-Participating	552549.47	4748962.91	14	17	23	24	16	13	0	0	0	0	
325	Residence	Non-Participating	550951.68	4754893.97	14	17	23	24	16	13	0	0	0	0	
293	Residence	Non-Participating	551119.58	4755064.45	14	17	23	24	16	13	0	0	0	0	
302	Residence	Non-Participating	551050.07	4755000.14	14	17	23	24	16	13	0	0	0	0	
326	Residence	Non-Participating	550932.16	4754901.06	14	17	23	24	16	13	0	0	0	0	
324	Residence	Non-Participating	550953.63	4754942.08	14	17	23	24	16	13	0	0	0	0	
87	Residence	Non-Participating	551079.93	4755089.22	14	17	23	24	16	13	0	0	0	0	
304	Residence	Non-Participating	551016.47	4755000.54	14	17	23	24	16	13	0	0	0	0	
140	Residence	Non-Participating	550126.31	4753026.88	13	17	23	24	16	13	0	0	0	0	
328	Residence	Non-Participating	550907.30	4754906.21	13	17	23	24	16	13	0	0	0	0	
330	Residence	Non-Participating	550882.99	4754908.86	13	17	23	24	16	13	0	0	0	0	
327	Residence	Non-Participating	550924.86	4754940.74	13	17	23	24	16	13	0	0	0	0	
329	Residence	Non-Participating	550902.26	4754944.25	13	17	23	24	16	13	0	0	0	0	
322	Residence	Non-Participating	550947.14	4754982.12	13	17	23	24	16	13	0	0	0	0	
300	Residence	Non-Participating	551106.58	4755151.63	13	17	23	24	16	13	0	0	0	0	
86	Residence	Non-Participating	551046.03	4755096.23	13	17	23	24	16	13	0	0	0	0	
440	Residence	Non-Participating	551342.64	4749649.80	13	17	23	24	16	13	0	0	0	0	
332	Residence	Non-Participating	550859.79	4754914.95	13	17	23	24	16	13	0	0	0	0	
331	Residence	Non-Participating	550877.88	4754951.63	13	17	23	24	16	13	0	0	0	0	
321	Residence	Non-Participating	550924.17	4754990.22	13	17	23	24	16	13	0	0	0	0	
85	Residence	Non-Participating	551022.13	4755099.20	13	17	23	24	16	13	0	0	0	0	
84	Residence	Non-Participating	551002.52	4755101.68	13	17	23	24	16	13	0	0	0	0	
334	Residence	Non-Participating	550836.80	4754918.41	13	17	23	24	16	13	0	0	0	0	
333	Residence	Non-Participating	550853.17	4754953.37	13	17	23	24	16	13	0	0	0	0	
319	Residence	Non-Participating	550875.87	4755000.63	13	17	23	24	16	12	0	0	0	0	
320	Residence	Non-Participating	550898.55	4754995.13	13	17	23	24	16	13	0	0	0	0	
306	Residence	Non-Participating	550902.21	4755030.21	13	17	23	24	16	12	0	0	0	0	
305	Residence	Non-Participating	550926.18	4755025.15	13	17	23	24	16	13	0	0	0	0	
83	Residence	Non-Participating	550982.67	4755104.94	13	17	23	24	16	13	0	0	0	0	
335	Residence	Non-Participating	550835.17	4754956.90	13	17	23	24	16	12	0	0	0	0	
336	Residence	Non-Participating	550811.53	4754921.81	13	17	23	24	16	12	0	0	0	0	
318	Residence	Non-Participating	550854.11	4755004.76	13	17	23	24	16	12	0	0	0	0	
337	Residence	Non-Participating	550811.03	4754959.46	13	17	23	23	16	12	0	0	0	0	
307	Residence	Non-Participating	550864.74	4755035.76	13	17	23	23	16	12	0	0	0	0	
338	Residence	Non-Participating	550788.34	4754927.78	13	17	23	23	16	12	0	0	0	0	
82	Residence	Non-Participating	550961.02	4755113.39	13	17	23	24	16	12	0	0	0	0	
81	Residence	Non-Participating	550945.56	4755117.32	13	17	23	24	16	12	0	0	0	0	
301	Residence	Non-Participating	551075.32	4755019.57	13	17	23	24	16	12	0	0	0	0	
339	Residence	Non-Participating	550782.70	4754966.07	13	17	23	23	16	12	0	0	0	0	
317	Residence	Non-Participating	550830.46	4755008.57	13	17	23	23	16	12	0	0	0	0	
308	Residence	Non-Participating	550832.57	4755040.95	13	17	23	23	16	12	0	0	0	0	
297	Residence	Non-Participating	551096.47	4755269.48	13	17	23	23	16	12	0	0	0	0	
303	Residence	Non-Participating	551089.41	4755015.56	13	17	23	24	16	12	0	0	0	0	
79	Residence	Non-Participating	550905.82	4755124.33	13	17	23	23	16	12	0	0	0	0	
80	Residence	Non-Participating	550930.35	4755119.74	13	17	23	23	16	12	0	0	0	0	
397	Residence	Non-Participating	553293.94	4748530.05	13	17	23	23	16	12	0	0	0	0	
340	Residence	Non-Participating	550759.41	4754973.37	13	17	23	23	16	12	0	0	0	0	
315	Residence	Non-Participating	550784.14	4755016.18	13	17	23	23	16	12	0	0	0	0	
316	Residence	Non-Participating	550805.10	4755013.79	13	17	23	23	16	12	0	0	0	0	
309	Residence	Non-Participating	550813.43	4755049.25	13	17	23	23	16	12	0	0	0	0	
358	Residence	Non-Participating	550721.27	4754938.63	13	17	23	23	16	12	0	0	0	0	
355	Residence	Non-Participating	550718.13	4754897.82	13	17	23	23	16	12	0	0	0	0	
77	Residence	Non-Participating	550867.79	4755131.24	13	17	23	23	16	12	0	0	0	0	
78	Residence	Non-Participating	550887.58	4755130.01	13	17	23	23	16	12	0	0	0	0	
55	Residence	Non-Participating	551325.67	4749478.65	13	17	23	23	16	12	0	0	0	0	
314	Residence	Non-Participating	550761.51	4755020.67	13	17	22	23	16	12	0	0	0	0	
310	Residence	Non-Participating	550787.29	4755051.69	13	17	22	23	16	12	0	0	0	0	
357	Residence	Non-Participating	550696.75	4754931.72	13	17	22	23	16	12	0	0	0	0	
354	Residence	Non-Participating	550697.98	4754891.67	13	17	23	23	16	12	0	0	0	0	
75	Residence	Non-Participating	550845.50	4755140.98	13	17	22	23	16	12	0	0	0	0	

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
294	Residence	Non-Participating	551106.74	4755029.86	13	17	23	24	16	12	0	0	0	0	
144	Residence	Non-Participating	549937.57	4753015.22	13	17	22	23	16	12	0	0	0	0	
474	Residence	Non-Participating	550416.04	4750554.30	13	17	22	23	16	12	0	0	0	0	
312	Residence	Non-Participating	550738.53	4755060.68	13	17	22	23	16	12	0	0	0	0	
313	Residence	Non-Participating	550733.66	4755026.08	13	17	22	23	16	12	0	0	0	0	
311	Residence	Non-Participating	550765.69	4755055.14	13	17	22	23	16	12	0	0	0	0	
352	Residence	Non-Participating	550651.92	4754918.85	13	17	22	23	16	12	0	0	0	0	
356	Residence	Non-Participating	550674.19	4754922.88	13	17	22	23	16	12	0	0	0	0	
74	Residence	Non-Participating	550813.39	4755146.77	13	17	22	23	16	12	0	0	0	0	
76	Residence	Non-Participating	550826.31	4755140.59	13	17	22	23	16	12	0	0	0	0	
295	Residence	Non-Participating	551102.53	4755012.82	13	17	23	24	16	12	0	0	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	13	17	22	23	15	12	0	0	0	0	
186	Residence	Non-Participating	552195.89	4748808.52	13	17	22	23	16	12	0	0	0	0	
362	Residence	Non-Participating	550635.87	4754950.52	13	17	22	23	16	12	0	0	0	0	
363	Residence	Non-Participating	550661.03	4754960.54	13	17	22	23	16	12	0	0	0	0	
73	Residence	Non-Participating	550789.23	4755146.19	13	17	22	23	16	12	0	0	0	0	
396	Residence	Non-Participating	553375.92	4748408.61	13	17	22	23	15	12	0	0	0	0	
360	Residence	Non-Participating	550593.65	4754938.80	13	17	22	23	15	12	0	0	0	0	
361	Residence	Non-Participating	550614.53	4754943.30	13	17	22	23	15	12	0	0	0	0	
349	Residence	Non-Participating	550606.38	4754901.75	13	17	22	23	15	12	0	0	0	0	
351	Residence	Non-Participating	550629.92	4754910.37	13	17	22	23	15	12	0	0	0	0	
364	Residence	Non-Participating	550566.67	4754968.96	12	17	22	23	15	12	0	0	0	0	
365	Residence	Non-Participating	550588.92	4754977.80	12	17	22	23	15	12	0	0	0	0	
359	Residence	Non-Participating	550569.94	4754927.90	12	17	22	23	15	12	0	0	0	0	
344	Residence	Non-Participating	550563.03	4754888.12	12	17	22	23	15	12	0	0	0	0	
347	Residence	Non-Participating	550581.06	4754892.30	12	17	22	23	15	12	0	0	0	0	
348	Residence	Non-Participating	550627.87	4754866.16	12	17	22	23	15	11	0	0	0	0	
72	Residence	Non-Participating	550756.74	4755150.88	12	17	22	23	15	12	0	0	0	0	
350	Residence	Non-Participating	550646.19	4754871.73	12	17	22	23	15	11	0	0	0	0	
343	Residence	Non-Participating	550537.49	4754880.60	12	17	22	23	15	11	0	0	0	0	
395	Residence	Non-Participating	553233.41	4748367.33	12	17	22	23	15	11	0	0	0	0	
346	Residence	Non-Participating	550606.18	4754858.64	12	17	22	23	15	11	0	0	0	0	
71	Residence	Non-Participating	550727.44	4755152.85	12	17	22	23	15	11	0	0	0	0	
353	Residence	Non-Participating	550676.03	4754882.55	12	17	22	23	15	11	0	0	0	0	
145	Residence	Non-Participating	549792.45	4752980.70	12	17	22	23	15	11	0	0	0	0	
394	Residence	Non-Participating	553410.52	4748301.00	12	16	22	23	15	11	0	0	0	0	
298	Residence	Non-Participating	551074.12	4755266.33	12	17	22	23	15	11	0	0	0	0	
490	Residence	Non-Participating	549715.75	4753011.53	12	16	22	23	15	11	0	0	0	0	
185	Residence	Non-Participating	551698.28	4748882.11	12	16	22	23	15	11	0	0	0	0	
70	Residence	Non-Participating	550683.80	4755149.29	12	17	22	23	15	11	0	0	0	0	
161	Residence	Non-Participating	549887.58	4751157.10	12	16	22	23	15	11	0	0	0	0	
393	Residence	Non-Participating	551158.81	4749264.64	12	16	22	23	15	11	0	0	0	0	
345	Residence	Non-Participating	550581.18	4754849.29	12	17	22	23	15	11	0	0	0	0	
289	Residence	Non-Participating	551143.38	4755018.89	12	17	23	23	15	10	0	0	0	0	
342	Residence	Non-Participating	550559.36	4754845.37	12	17	22	23	15	10	0	0	0	0	
299	Residence	Non-Participating	551054.17	4755262.67	12	17	22	23	15	10	0	0	0	0	
491	Residence	Non-Participating	549604.03	4752964.13	12	16	22	22	15	11	0	0	0	0	
165	Residence	Non-Participating	550125.18	4750414.06	12	16	22	22	15	11	0	0	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	11	16	22	22	14	10	0	0	0	0	
163	Residence	Non-Participating	550017.12	4750343.09	11	16	21	22	14	10	0	0	0	0	
341	Residence	Non-Participating	550536.56	4754834.20	11	17	22	22	14	10	0	0	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	11	16	21	22	14	10	0	0	0	0	
408	Residence	Non-Participating	551509.51	4748562.13	11	16	21	22	14	10	0	0	0	0	
407	Residence	Non-Participating	551434.85	4748588.34	11	16	21	22	14	10	0	0	0	0	
290	Residence	Non-Participating	551132.67	4754986.85	10	17	22	22	13	8	0	0	0	0	
391	Residence	Non-Participating	549249.43	4751270.26	10	15	21	21	13	9	0	0	0	0	
516	Residence	Non-Participating	549152.91	4751526.35	10	15	21	21	13	9	0	0	0	0	
367	Residence	Non-Participating	550163.82	4755713.22	10	15	21	21	13	9	0	0	0	0	
514	Residence	Non-Participating	549153.02	4751377.72	10	15	21	21	13	9	0	0	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	10	15	21	21	13	9	0	0	0	0	
498	Residence	Non-Participating	549058.44	4753446.84	10	15	21	21	13	8	0	0	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	10	15	21	21	13	8	0	0	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	10	15	21	21	13	8	0	0	0	0	
497	Residence	Non-Participating	548989.32	4753277.25	10	15	20	21	13	8	0	0	0	0	
519	Residence	Non-Participating	549942.05	4755557.33	10	15	21	21	13	8	0	0	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	10	15	21	21	13	8	0	0	0	0	
146	Residence	Non-Participating	548925.79	4752928.90	10	15	20	21	13	8	0	0	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	10	15	20	21	13	8	0	0	0	0	
373	Residence	Non-Participating	549852.45	4755533.47	10	15	20	21	13	8	0	0	0	0	
178	Residence	Non-Participating	549374.39	4750383.39	10	15	20	21	13	8	0	0	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	10	15	20	21	13	8	0	0	0	0	
488	Residence	Non-Participating	548909.80	4752806.39	10	15	20	21	13	8	0	0	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	10	15	20	21	13	8	0	0	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	10	15	20	21	13	8	0	0	0	0	
371	Residence	Non-Participating	549908.67	4755667.97	10	15	20	21	13	8	0	0	0	0	
372	Residence	Non-Participating	549865.81	4755607.45	10	15	20	21	13	8	0	0	0	0	
370	Residence	Non-Participating	549894.89	4755626.38	10	15	20	21	13	8	0	0	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	10	15	20	21	13	8	0	0	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	10	15	20	21	13	8	0	0	0	0	
374	Residence	Non-Participating	549774.54	4755556.47	9	15	20	21	12	8	0	0	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	9	15	20	21	13	8	0	0	0	0	
515	Residence	Non-Participating	548917.85	4751629.91	9	15	20	21	12	8	0	0	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	9	15	20	21	12	8	0	0	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	9	15	20	21	12	8	0	0	0	0	

Table 7-5.1b: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
148	Residence	Non-Participating	548785.85	4752908.45	9	15	20	21	12	8	0	0	0	0	
518	Residence	Non-Participating	549706.22	4755534.47	9	15	20	21	12	8	0	0	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	9	15	20	21	12	8	0	0	0	0	
377	Residence	Non-Participating	549490.82	4755370.60	9	15	20	20	12	7	0	0	0	0	
376	Residence	Non-Participating	549526.20	4755402.39	9	15	20	21	12	7	0	0	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	9	15	20	21	12	7	0	0	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	9	15	20	21	12	7	0	0	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	9	15	20	20	12	7	0	0	0	0	
378	Residence	Non-Participating	549348.85	4755236.33	9	14	20	20	12	7	0	0	0	0	
517	Residence	Non-Participating	549314.70	4755280.09	9	14	20	20	12	7	0	0	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	9	14	20	20	12	7	0	0	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	9	14	20	20	12	7	0	0	0	0	
502	Residence	Non-Participating	548729.84	4754058.42	9	14	20	20	12	7	0	0	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	8	14	19	20	11	6	0	0	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	8	14	19	20	11	6	0	0	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	8	14	19	20	11	6	0	0	0	0	
383	Residence	Non-Participating	548435.67	4753966.26	8	14	19	20	11	6	0	0	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	8	14	20	20	11	5	0	0	0	0	
380	Residence	Non-Participating	549233.49	4754417.60	7	15	20	20	11	5	0	0	0	0	
382	Residence	Non-Participating	548524.96	4754025.22	7	14	19	19	11	5	0	0	0	0	
384	Residence	Non-Participating	548388.96	4753886.51	7	14	19	19	11	5	0	0	0	0	
171	Residence	Non-Participating	548083.96	4753456.92	7	13	19	19	10	5	0	0	0	0	
381	Residence	Non-Participating	548351.04	4754688.66	7	13	19	19	10	5	0	0	0	0	
504	Residence	Non-Participating	550230.99	4755026.90	7	15	20	19	10	4	0	0	0	0	
172	Residence	Non-Participating	547820.51	4753402.32	7	13	19	19	10	4	0	0	0	0	
385	Residence	Non-Participating	547889.56	4754422.75	6	13	18	18	9	4	0	0	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	6	13	18	18	9	4	0	0	0	0	
388	Residence	Non-Participating	547726.87	4754321.39	6	13	18	18	9	3	0	0	0	0	
387	Residence	Non-Participating	547653.89	4754252.46	6	13	18	18	9	3	0	0	0	0	
386	Residence	Non-Participating	547594.46	4754197.17	6	13	18	18	9	3	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
465	Residence	Non-Participating	554013.92	4752018.30	42	45	51	47	40	42	37	29	12	0	
386	Residence	Non-Participating	547594.46	4754197.17	6	13	18	18	9	3	0	0	0	0	

Table 7-5.1c: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
402	Residence	Participating	551816.43	4750688.41	22	31	36	30	23	23	14	0	0	0
404	Residence	Participating	552272.81	4750939.93	25	32	38	32	25	25	17	0	0	0
405	Residence	Participating	552306.65	4750924.69	25	32	38	32	25	25	17	0	0	0
434	Residence	Participating	554212.78	4750775.20	29	35	41	34	28	29	22	7	0	0
449	Residence	Participating	553079.40	4750666.11	27	33	39	33	27	27	19	2	0	0
450	Residence	Participating	551476.72	4750389.70	20	29	35	28	21	21	11	0	0	0
453	Residence	Participating	551744.00	4750692.59	22	30	36	30	23	22	13	0	0	0
454	Residence	Participating	552354.86	4751031.09	26	33	38	32	26	26	18	0	0	0
486	Residence	Participating	550484.39	4752255.30	15	18	24	25	17	14	2	0	0	0
492	Residence	Participating	549504.02	4752997.19	11	16	22	22	14	10	0	0	0	0
493	Residence	Participating	549303.28	4753118.73	11	16	21	22	14	9	0	0	0	0
494	Residence	Participating	549241.92	4753172.52	10	15	21	22	14	9	0	0	0	0
495	Residence	Participating	549193.02	4753249.76	10	15	21	21	13	9	0	0	0	0
496	Residence	Participating	549134.52	4753310.51	10	15	21	21	13	9	0	0	0	0
499	Residence	Participating	549175.28	4753516.36	10	15	21	21	13	9	0	0	0	0
500	Residence	Participating	548993.19	4753649.69	10	15	20	21	13	8	0	0	0	0
501	Residence	Participating	548858.08	4754014.00	9	14	20	20	12	7	0	0	0	0
503	Residence	Participating	550086.61	4754906.49	11	16	21	22	14	10	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
434	Residence	Participating	554212.78	4750775.20	29	35	41	34	28	29	22	7	0	0
501	Residence	Participating	548858.08	4754014.00	9	14	20	20	12	7	0	0	0	0

Table 7-5.1d: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
434	Residence	Participating	554212.78	4750775.20	29	35	41	34	28	29	22	7	0	0
449	Residence	Participating	553079.40	4750666.11	27	33	39	33	27	27	19	2	0	0
454	Residence	Participating	552354.86	4751031.09	26	33	38	32	26	26	18	0	0	0
405	Residence	Participating	552306.65	4750924.69	25	32	38	32	25	25	17	0	0	0
404	Residence	Participating	552272.81	4750939.93	25	32	38	32	25	25	17	0	0	0
402	Residence	Participating	551816.43	4750688.41	22	31	36	30	23	23	14	0	0	0
453	Residence	Participating	551744.00	4750692.59	22	30	36	30	23	22	13	0	0	0
450	Residence	Participating	551476.72	4750389.70	20	29	35	28	21	21	11	0	0	0
486	Residence	Participating	550484.39	4752255.30	15	18	24	25	17	14	2	0	0	0
492	Residence	Participating	549504.02	4752997.19	11	16	22	22	14	10	0	0	0	0
503	Residence	Participating	550086.61	4754906.49	11	16	21	22	14	10	0	0	0	0
493	Residence	Participating	549303.28	4753118.73	11	16	21	22	14	9	0	0	0	0
494	Residence	Participating	549241.92	4753172.52	10	15	21	22	14	9	0	0	0	0
495	Residence	Participating	549193.02	4753249.76	10	15	21	21	13	9	0	0	0	0
499	Residence	Participating	549175.28	4753516.36	10	15	21	21	13	9	0	0	0	0
496	Residence	Participating	549134.52	4753310.51	10	15	21	21	13	9	0	0	0	0
500	Residence	Participating	548993.19	4753649.69	10	15	20	21	13	8	0	0	0	0
501	Residence	Participating	548858.08	4754014.00	9	14	20	20	12	7	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
434	Residence	Participating	554212.78	4750775.20	29	35	41	34	28	29	22	7	0	0
501	Residence	Participating	548858.08	4754014.00	9	14	20	20	12	7	0	0	0	0

Table 7-5.1e: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
1	Cemetery	Non-Participating	552496.97	4754230.50	21	22	28	29	23	21	11	0	0	0
22	Cemetery	Non-Participating	553369.86	4748896.88	14	18	23	24	17	14	1	0	0	0
45	Farm	Non-Participating	554456.12	4749508.64	17	19	25	26	19	17	5	0	0	0
61	Farm	Non-Participating	555399.90	4749709.22	17	19	25	26	19	16	5	0	0	0
63	Farm	Non-Participating	554954.65	4750006.39	19	21	26	28	21	18	8	0	0	0
69	Barn	Non-Participating	550513.30	4755112.51	12	16	22	23	15	11	0	0	0	0
89	Cemetery	Non-Participating	551050.86	4754825.13	14	18	23	24	17	14	1	0	0	0
93	Farm	Non-Participating	551943.32	4753242.16	21	22	28	29	23	21	11	0	0	0
136	Farm	Non-Participating	551693.65	4752961.04	20	22	27	29	22	20	10	0	0	0
142	Farm	Non-Participating	550318.87	4753045.87	19	28	34	27	20	19	8	0	0	0
162	Farm	Non-Participating	549653.65	4750273.39	10	15	21	21	13	9	0	0	0	0
167	Public Trail	Non-Participating	551661.37	4754929.10	16	19	24	25	18	15	3	0	0	0
182	Farm	Non-Participating	550310.92	4749581.23	11	16	21	22	14	9	0	0	0	0
183	Farm	Non-Participating	550953.76	4749569.39	12	16	22	23	15	11	0	0	0	0
189	Cemetery	Non-Participating	553034.77	4749102.48	15	18	24	25	17	14	2	0	0	0
211	Farm	Non-Participating	554844.09	4753602.43	27	27	33	34	29	27	19	6	0	0
218	Farm	Non-Participating	553643.07	4754502.85	20	23	29	30	23	20	9	0	0	0
286	Farm	Non-Participating	551036.63	4754190.23	15	18	24	25	18	15	3	0	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	9	15	20	20	12	7	0	0	0	0
392	Farm	Non-Participating	549107.90	4751317.71	10	15	21	21	13	8	0	0	0	0
520	Public Trail	Non-Participating	553793.34	4754317.37	22	24	30	31	25	22	12	0	0	0
Summary of Maximum and Minimum Sound Levels														
211	Farm	Non-Participating	554844.09	4753602.43	27	27	33	34	29	27	19	6	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	9	15	20	20	12	7	0	0	0	0

Table 7-5.1f: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
211	Farm	Non-Participating	554844.09	4753602.43	27	27	33	34	29	27	19	6	0	0
520	Public Trail	Non-Participating	553793.34	4754317.37	22	24	30	31	25	22	12	0	0	0
93	Farm	Non-Participating	551943.32	4753242.16	21	22	28	29	23	21	11	0	0	0
1	Cemetery	Non-Participating	552496.97	4754230.50	21	22	28	29	23	21	11	0	0	0
136	Farm	Non-Participating	551693.65	4752961.04	20	22	27	29	22	20	10	0	0	0
218	Farm	Non-Participating	553643.07	4754502.85	20	23	29	30	23	20	9	0	0	0
142	Farm	Non-Participating	550318.87	4753045.87	19	28	34	27	20	19	8	0	0	0
63	Farm	Non-Participating	554954.65	4750006.39	19	21	26	28	21	18	8	0	0	0
45	Farm	Non-Participating	554456.12	4749508.64	17	19	25	26	19	17	5	0	0	0
61	Farm	Non-Participating	555399.90	4749709.22	17	19	25	26	19	16	5	0	0	0
167	Public Trail	Non-Participating	551661.37	4754929.10	16	19	24	25	18	15	3	0	0	0
286	Farm	Non-Participating	551036.63	4754190.23	15	18	24	25	18	15	3	0	0	0
189	Cemetery	Non-Participating	553034.77	4749102.48	15	18	24	25	17	14	2	0	0	0
22	Cemetery	Non-Participating	553369.86	4748896.88	14	18	23	24	17	14	1	0	0	0
89	Cemetery	Non-Participating	551050.86	4754825.13	14	18	23	24	17	14	1	0	0	0
183	Farm	Non-Participating	550953.76	4749569.39	12	16	22	23	15	11	0	0	0	0
69	Barn	Non-Participating	550513.30	4755112.51	12	16	22	23	15	11	0	0	0	0
182	Farm	Non-Participating	550310.92	4749581.23	11	16	21	22	14	9	0	0	0	0
162	Farm	Non-Participating	549653.65	4750273.39	10	15	21	21	13	9	0	0	0	0
392	Farm	Non-Participating	549107.90	4751317.71	10	15	21	21	13	8	0	0	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	9	15	20	20	12	7	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
211	Farm	Non-Participating	554844.09	4753602.43	27	27	33	34	29	27	19	6	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	9	15	20	20	12	7	0	0	0	0

Table 7-5.1g: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
64	Farm	Participating	555379.74	4750514.35	20	21	27	29	22	20	10	0	0	0
91	Farm	Participating	552295.34	4751058.50	26	33	38	32	26	26	18	0	0	0
101	Park	Participating	548640.78	4753686.91	9	14	20	20	12	7	0	0	0	0
513	Farm	Participating	555300.86	4750510.05	20	22	27	29	22	20	10	0	0	0
Summary of Maximum and Minimum Sound Levels														
91	Farm	Participating	552295.34	4751058.50	26	33	38	32	26	26	18	0	0	0
101	Park	Participating	548640.78	4753686.91	9	14	20	20	12	7	0	0	0	0

Table 7-5.1h: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
91	Farm	Participating	552295.34	4751058.50	26	33	38	32	26	26	18	0	0	0	
513	Farm	Participating	555300.86	4750510.05	20	22	27	29	22	20	10	0	0	0	
64	Farm	Participating	555379.74	4750514.35	20	21	27	29	22	20	10	0	0	0	
101	Park	Participating	548640.78	4753686.91	9	14	20	20	12	7	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
91	Farm	Participating	552295.34	4751058.50	26	33	38	32	26	26	18	0	0	0	
101	Park	Participating	548640.78	4753686.91	9	14	20	20	12	7	0	0	0	0	

Table 7-5.1i: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID (Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and No

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
2	Government Building	Non-Participating	552766.10	4754149.15	22	23	29	30	24	22	13	0	0	0	
3	Business	Non-Participating	553514.16	4749391.79	16	19	25	26	19	16	4	0	0	0	
4	Business	Non-Participating	553050.09	4754176.65	23	24	29	31	25	23	14	0	0	0	
5	Business	Non-Participating	553263.69	4754103.52	24	24	30	32	26	24	15	0	0	0	
6	Business	Non-Participating	553550.77	4753756.03	27	27	33	34	29	27	19	6	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	28	27	33	35	29	28	20	7	0	0	
8	Business	Non-Participating	553774.59	4749663.57	18	20	26	27	20	17	6	0	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	17	19	25	26	19	17	5	0	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	16	19	24	25	18	15	4	0	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	16	19	25	26	19	16	4	0	0	0	
31	Church	Non-Participating	553747.94	4749370.05	16	19	25	26	19	16	4	0	0	0	
53	Business	Non-Participating	551396.02	4749658.96	14	17	23	24	16	13	0	0	0	0	
67	Business	Non-Participating	555301.38	4750106.85	18	20	26	27	21	18	7	0	0	0	
88	Business	Non-Participating	551120.38	4755080.65	14	17	23	24	16	13	0	0	0	0	
97	Business	Non-Participating	551939.15	4752867.89	21	23	28	30	23	22	12	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	9	15	20	21	12	7	0	0	0	0	
187	Business	Non-Participating	552537.70	4748887.86	13	17	23	24	16	13	0	0	0	0	
209	Business	Non-Participating	554962.37	4753596.45	27	26	32	34	28	27	18	5	0	0	
212	Police Station	Non-Participating	554495.79	4753677.62	28	28	33	35	29	28	20	8	0	0	
227	Business	Non-Participating	553204.51	4754847.32	20	21	27	28	22	20	10	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	20	21	27	28	22	20	9	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	13	17	23	23	16	12	0	0	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	11	16	22	22	14	10	0	0	0	0	
368	Business	Non-Participating	550121.24	4755655.30	10	15	21	21	13	9	0	0	0	0	
369	Business	Non-Participating	550068.27	4755623.44	10	15	21	21	13	9	0	0	0	0	
505	Business	Non-Participating	553201.09	4754131.71	24	24	30	31	25	24	15	0	0	0	
Summary of Maximum and Minimum Sound Levels															
212	Police Station	Non-Participating	554495.79	4753677.62	28	28	33	35	29	28	20	8	0	0	
151	Business	Non-Participating	548718.98	4752735.02	9	15	20	21	12	7	0	0	0	0	

Table 7-5.1j: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and N

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
212	Police Station	Non-Participating	554495.79	4753677.62	28	28	33	35	29	28	20	8	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	28	27	33	35	29	28	20	7	0	0	
6	Business	Non-Participating	553550.77	4753756.03	27	27	33	34	29	27	19	6	0	0	
209	Business	Non-Participating	554962.37	4753596.45	27	26	32	34	28	27	18	5	0	0	
5	Business	Non-Participating	553263.69	4754103.52	24	24	30	32	26	24	15	0	0	0	
505	Business	Non-Participating	553201.09	4754131.71	24	24	30	31	25	24	15	0	0	0	
4	Business	Non-Participating	553050.09	4754176.65	23	24	29	31	25	23	14	0	0	0	
2	Government Building	Non-Participating	552766.10	4754149.15	22	23	29	30	24	22	13	0	0	0	
97	Business	Non-Participating	551939.15	4752867.89	21	23	28	30	23	22	12	0	0	0	
227	Business	Non-Participating	553204.51	4754847.32	20	21	27	28	22	20	10	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	20	21	27	28	22	20	9	0	0	0	
67	Business	Non-Participating	555301.38	4750106.85	18	20	26	27	21	18	7	0	0	0	
8	Business	Non-Participating	553774.59	4749663.57	18	20	26	27	20	17	6	0	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	17	19	25	26	19	17	5	0	0	0	
31	Church	Non-Participating	553747.94	4749370.05	16	19	25	26	19	16	4	0	0	0	
3	Business	Non-Participating	553514.16	4749391.79	16	19	25	26	19	16	4	0	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	16	19	25	26	19	16	4	0	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	16	19	24	25	18	15	4	0	0	0	
88	Business	Non-Participating	551120.38	4755080.65	14	17	23	24	16	13	0	0	0	0	
53	Business	Non-Participating	551396.02	4749658.96	14	17	23	24	16	13	0	0	0	0	
187	Business	Non-Participating	552537.70	4748887.86	13	17	23	24	16	13	0	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	13	17	23	23	16	12	0	0	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	11	16	22	22	14	10	0	0	0	0	
368	Business	Non-Participating	550121.24	4755655.30	10	15	21	21	13	9	0	0	0	0	
369	Business	Non-Participating	550068.27	4755623.44	10	15	21	21	13	9	0	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	9	15	20	21	12	7	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
212	Police Station	Non-Participating	554495.79	4753677.62	28	28	33	35	29	28	20	8	0	0	
151	Business	Non-Participating	548718.98	4752735.02	9	15	20	21	12	7	0	0	0	0	

Table 7-5.1k: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Pa

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	
Summary of Maximum and Minimum Sound Levels															
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	

Table 7-5.1: Unmitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Pa

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	
Summary of Maximum and Minimum Sound Levels															
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	
90	Business	Participating	552504.85	4751087.77	26	33	39	33	27	27	19	2	0	0	

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
10	Residence	Non-Participating	553620.51	4749511.82	7	9	15	16	9	7	0	0	0	0
11	Residence	Non-Participating	553607.06	4749411.70	6	9	15	16	9	6	0	0	0	0
12	Residence	Non-Participating	553577.66	4749441.54	7	9	15	16	9	6	0	0	0	0
13	Residence	Non-Participating	553598.26	4749409.09	6	9	15	16	9	6	0	0	0	0
14	Residence	Non-Participating	553571.47	4749430.18	6	9	15	16	9	6	0	0	0	0
15	Residence	Non-Participating	553564.27	4749411.72	6	9	15	16	9	6	0	0	0	0
16	Residence	Non-Participating	553442.39	4749486.27	7	9	15	16	9	6	0	0	0	0
18	Residence	Non-Participating	553475.99	4749272.63	6	9	14	15	8	5	0	0	0	0
19	Residence	Non-Participating	553488.36	4749190.76	5	9	14	15	8	5	0	0	0	0
20	Residence	Non-Participating	553397.22	4749063.25	5	8	14	15	8	4	0	0	0	0
21	Residence	Non-Participating	553377.20	4749005.70	5	8	14	15	7	4	0	0	0	0
23	Residence	Non-Participating	553561.73	4749272.69	6	9	14	16	8	5	0	0	0	0
24	Residence	Non-Participating	553574.39	4749309.19	6	9	15	16	9	6	0	0	0	0
25	Residence	Non-Participating	553620.54	4749291.76	6	9	15	16	9	6	0	0	0	0
27	Residence	Non-Participating	553684.46	4749312.08	6	9	15	16	9	6	0	0	0	0
28	Residence	Non-Participating	553710.71	4749317.74	6	9	15	16	9	6	0	0	0	0
29	Residence	Non-Participating	553708.92	4749353.07	6	9	15	16	9	6	0	0	0	0
30	Residence	Non-Participating	553730.45	4749320.50	6	9	15	16	9	6	0	0	0	0
32	Residence	Non-Participating	553786.39	4749339.35	6	9	15	16	9	6	0	0	0	0
33	Residence	Non-Participating	553810.04	4749348.12	6	9	15	16	9	6	0	0	0	0
34	Residence	Non-Participating	553815.53	4749386.41	6	9	15	16	9	6	0	0	0	0
35	Residence	Non-Participating	553842.45	4749353.44	6	9	15	16	9	6	0	0	0	0
36	Residence	Non-Participating	553848.75	4749390.38	6	9	15	16	9	6	0	0	0	0
37	Residence	Non-Participating	553931.34	4749411.71	7	9	15	16	9	6	0	0	0	0
38	Residence	Non-Participating	553960.01	4749383.92	6	9	15	16	9	6	0	0	0	0
39	Residence	Non-Participating	553977.57	4749391.48	6	9	15	16	9	6	0	0	0	0
40	Residence	Non-Participating	554030.09	4749404.59	7	9	15	16	9	6	0	0	0	0
41	Residence	Non-Participating	554080.42	4749417.44	7	9	15	16	9	6	0	0	0	0
42	Residence	Non-Participating	554111.63	4749466.61	7	9	15	16	9	7	0	0	0	0
43	Residence	Non-Participating	554143.66	4749432.07	7	9	15	16	9	6	0	0	0	0
44	Residence	Non-Participating	554179.52	4749443.30	7	9	15	16	9	6	0	0	0	0
46	Residence	Non-Participating	554332.74	4749485.43	7	9	15	16	9	7	0	0	0	0
47	Residence	Non-Participating	552629.05	4749782.74	7	9	15	16	9	6	0	0	0	0
48	Residence	Non-Participating	552422.18	4749780.50	6	9	15	16	9	6	0	0	0	0
49	Residence	Non-Participating	552215.88	4749784.96	6	9	14	15	8	5	0	0	0	0
50	Residence	Non-Participating	552030.15	4749782.86	5	8	14	15	8	5	0	0	0	0
51	Residence	Non-Participating	552019.77	4749712.13	5	8	14	15	8	5	0	0	0	0
52	Residence	Non-Participating	551922.97	4749679.16	5	8	14	15	7	4	0	0	0	0
54	Residence	Non-Participating	551570.52	4749612.37	4	7	13	14	7	3	0	0	0	0
55	Residence	Non-Participating	551325.67	4749478.65	3	7	13	13	6	2	0	0	0	0
56	Residence	Non-Participating	554794.56	4749621.54	7	10	15	16	10	7	0	0	0	0
57	Residence	Non-Participating	554895.30	4749569.97	7	9	15	16	9	6	0	0	0	0
58	Residence	Non-Participating	555200.32	4749639.45	11	20	26	19	12	12	2	0	0	0
59	Residence	Non-Participating	555115.67	4749759.00	7	10	15	17	10	7	0	0	0	0
60	Residence	Non-Participating	555054.50	4749780.10	7	10	16	17	10	7	0	0	0	0
62	Residence	Non-Participating	555117.84	4749958.10	8	10	16	17	10	8	0	0	0	0
65	Residence	Non-Participating	555326.36	4750299.14	9	11	17	18	11	9	0	0	0	0
66	Residence	Non-Participating	553499.88	4749228.65	6	9	14	15	8	5	0	0	0	0
68	Residence	Non-Participating	555137.11	4750029.20	8	10	16	17	11	8	0	0	0	0
70	Residence	Non-Participating	550683.80	4755149.29	2	7	12	13	5	1	0	0	0	0
71	Residence	Non-Participating	550727.44	4755152.85	2	7	12	13	5	1	0	0	0	0
72	Residence	Non-Participating	550756.74	4755150.88	2	7	12	13	5	2	0	0	0	0
73	Residence	Non-Participating	550789.23	4755146.19	3	7	12	13	6	2	0	0	0	0
74	Residence	Non-Participating	550813.39	4755146.77	3	7	12	13	6	2	0	0	0	0
75	Residence	Non-Participating	550845.50	4755140.98	3	7	12	13	6	2	0	0	0	0
76	Residence	Non-Participating	550826.31	4755140.59	3	7	12	13	6	2	0	0	0	0
77	Residence	Non-Participating	550867.79	4755131.24	3	7	13	13	6	2	0	0	0	0
78	Residence	Non-Participating	550887.58	4755130.01	3	7	13	13	6	2	0	0	0	0
79	Residence	Non-Participating	550905.82	4755124.33	3	7	13	13	6	2	0	0	0	0
80	Residence	Non-Participating	550930.35	4755119.74	3	7	13	13	6	2	0	0	0	0
81	Residence	Non-Participating	550945.56	4755117.32	3	7	13	14	6	2	0	0	0	0
82	Residence	Non-Participating	550961.02	4755113.39	3	7	13	14	6	2	0	0	0	0
83	Residence	Non-Participating	550982.67	4755104.94	3	7	13	14	6	3	0	0	0	0
84	Residence	Non-Participating	551002.52	4755101.68	3	7	13	14	6	3	0	0	0	0
85	Residence	Non-Participating	551022.13	4755099.20	3	7	13	14	6	3	0	0	0	0
86	Residence	Non-Participating	551046.03	4755096.23	3	7	13	14	6	3	0	0	0	0
87	Residence	Non-Participating	551079.93	4755089.22	4	7	13	14	6	3	0	0	0	0
92	Residence	Non-Participating	551525.79	4750504.83	6	9	15	16	9	6	0	0	0	0
94	Residence	Non-Participating	551926.20	4753102.00	11	12	18	20	13	11	2	0	0	0
95	Residence	Non-Participating	551958.41	4753020.24	11	13	18	20	13	11	2	0	0	0
96	Residence	Non-Participating	552037.80	4752985.58	12	13	19	20	14	12	3	0	0	0
98	Residence	Non-Participating	551570.84	4753904.92	8	10	16	17	10	8	0	0	0	0
99	Residence	Non-Participating	551588.21	4753855.54	8	10	16	17	10	8	0	0	0	0
100	Residence	Non-Participating	551449.45	4754199.65	7	9	15	16	9	7	0	0	0	0
102	Residence	Non-Participating	552906.80	4751355.90	15	15	21	22	16	15	6	0	0	0
103	Residence	Non-Participating	55414.87	4753215.13	15	16	21	23	17	15	6	0	0	0
104	Residence	Non-Participating	555583.14	4753304.80	14	15	20	22	16	14	5	0	0	0
105	Residence	Non-Participating	555670.69	4753147.71	19	25	31	25	19	19	13	0	0	0
106	Residence	Non-Participating	555847.25	4753231.57	18	24	30	24	18	18	11	0	0	0
107	Residence	Non-Participating	555822.18	4753188.69	18	24	30	24	18	18	11	0	0	0
108	Residence	Non-Participating	555791.22	4753184.54	18	24	30	24	18	19	11	0	0	0
109	Residence	Non-Participating	555811.87	4753134.94	18	24	30	24	18	18	11	0	0	0
110	Residence	Non-Participating	555817.29	4753094.52	18	24	30	24	18	19	11	0	0	0
111	Residence	Non-Participating	555867.13	4753181.53	18	24	30	24	18	18	11	0	0	0

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
112	Residence	Non-Participating	555889.77	4753223.55	18	24	30	24	18	18	11	0	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	17	24	30	24	17	18	10	0	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	18	24	30	24	18	19	12	0	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	18	24	30	24	18	19	12	0	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	18	25	30	24	18	19	12	0	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	18	25	30	24	18	19	12	0	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	19	25	30	24	18	19	12	0	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	21	26	32	26	21	21	15	1	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	22	27	33	27	21	22	16	3	0	0	
121	Residence	Non-Participating	555444.52	4752334.26	21	27	33	27	21	22	15	2	0	0	
122	Residence	Non-Participating	555389.22	4752260.79	22	27	33	27	21	22	16	3	0	0	
123	Residence	Non-Participating	555314.75	4752326.25	23	27	33	28	22	23	17	4	0	0	
124	Residence	Non-Participating	555303.73	4752278.93	23	27	33	28	22	23	17	4	0	0	
125	Residence	Non-Participating	555278.06	4752246.63	23	28	33	28	22	23	17	5	0	0	
126	Residence	Non-Participating	555310.17	4752191.86	22	27	33	27	22	23	16	4	0	0	
127	Residence	Non-Participating	555150.42	4752043.77	23	28	34	28	22	23	17	6	0	0	
128	Residence	Non-Participating	555111.42	4752030.41	23	28	34	28	23	24	18	6	0	0	
129	Residence	Non-Participating	555109.17	4751999.69	23	28	34	28	23	24	18	6	0	0	
130	Residence	Non-Participating	555181.62	4751872.74	22	27	33	27	22	22	16	4	0	0	
131	Residence	Non-Participating	555071.83	4751700.54	22	27	33	27	21	22	16	4	0	0	
132	Residence	Non-Participating	555052.74	4751624.77	22	27	33	27	21	22	16	3	0	0	
133	Residence	Non-Participating	555139.23	4751628.39	21	27	32	27	21	22	15	2	0	0	
134	Residence	Non-Participating	551914.00	4752906.30	11	12	18	20	13	11	2	0	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	18	24	30	24	18	18	11	0	0	0	
137	Residence	Non-Participating	551242.05	4752107.85	8	10	16	17	10	8	0	0	0	0	
138	Residence	Non-Participating	551321.25	4752157.29	8	10	16	17	11	8	0	0	0	0	
139	Residence	Non-Participating	551778.30	4752503.24	16	23	28	22	16	16	8	0	0	0	
140	Residence	Non-Participating	550126.31	4753026.88	3	7	13	14	6	3	0	0	0	0	
141	Residence	Non-Participating	550260.97	4753028.28	9	18	24	17	10	8	0	0	0	0	
143	Residence	Non-Participating	549935.88	4752984.91	7	17	23	16	9	7	0	0	0	0	
144	Residence	Non-Participating	549937.57	4753015.22	3	7	12	13	6	2	0	0	0	0	
145	Residence	Non-Participating	549792.45	4752980.70	2	7	12	13	5	1	0	0	0	0	
146	Residence	Non-Participating	548925.79	4752928.90	0	5	10	11	3	0	0	0	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	0	5	10	11	3	0	0	0	0	0	
148	Residence	Non-Participating	548785.85	4752908.45	0	5	10	11	2	0	0	0	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	0	5	10	11	2	0	0	0	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	0	5	10	11	2	0	0	0	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	0	4	10	10	2	0	0	0	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	0	4	9	10	1	0	0	0	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	0	4	9	10	1	0	0	0	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	0	4	9	10	1	0	0	0	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	0	4	10	10	2	0	0	0	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	0	5	10	10	2	0	0	0	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	0	5	10	11	2	0	0	0	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	0	5	10	11	2	0	0	0	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	0	5	10	11	3	0	0	0	0	0	
161	Residence	Non-Participating	549887.58	4751157.10	2	6	12	13	5	1	0	0	0	0	
163	Residence	Non-Participating	550017.12	4750343.09	1	6	11	12	4	0	0	0	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	1	6	12	12	4	0	0	0	0	0	
165	Residence	Non-Participating	550125.18	4750414.06	2	6	12	12	5	1	0	0	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	3	7	12	13	5	2	0	0	0	0	
168	Residence	Non-Participating	552058.11	4752751.95	12	13	19	20	14	12	3	0	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	12	13	19	20	14	12	3	0	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	12	13	19	20	14	12	3	0	0	0	
171	Residence	Non-Participating	548083.96	4753456.92	0	3	9	9	0	0	0	0	0	0	
172	Residence	Non-Participating	547820.51	4753402.32	0	3	9	9	0	0	0	0	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	0	3	8	8	0	0	0	0	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	0	5	10	11	3	0	0	0	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	0	5	11	11	3	0	0	0	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	0	5	10	11	3	0	0	0	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	0	5	10	11	2	0	0	0	0	0	
178	Residence	Non-Participating	549374.39	4750383.39	0	5	10	11	3	0	0	0	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	0	5	11	11	3	0	0	0	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	0	5	11	11	3	0	0	0	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	0	5	10	11	3	0	0	0	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	1	6	11	12	4	0	0	0	0	0	
185	Residence	Non-Participating	551698.28	4748882.11	2	6	12	13	5	1	0	0	0	0	
186	Residence	Non-Participating	552195.89	4748808.52	3	7	12	13	6	2	0	0	0	0	
188	Amish Community	Non-Participating	552549.47	4748962.91	4	7	13	14	6	3	0	0	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	6	9	15	16	9	6	0	0	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	10	19	25	18	11	10	1	0	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	9	18	24	17	10	9	0	0	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	10	19	25	18	11	10	0	0	0	0	
194	Residence	Non-Participating	555802.43	4749877.62	6	9	15	16	9	6	0	0	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	11	20	25	19	12	11	2	0	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	11	20	25	19	12	11	2	0	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	12	20	26	19	12	12	3	0	0	0	
198	Residence	Non-Participating	556617.91	4750861.79	12	20	26	19	12	12	3	0	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	14	22	27	21	15	14	6	0	0	0	
200	Residence	Non-Participating	555951.70	4751023.36	15	22	28	22	15	15	7	0	0	0	
201	Residence	Non-Participating	556299.02	4751489.59	14	22	28	21	15	15	7	0	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	15	22	28	22	16	16	8	0	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	11	12	18	19	13	11	1	0	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	16	23	29	22	16	16	8	0	0	0	

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
205	Residence	Non-Participating	556213.27	4751774.05	16	23	28	22	16	16	8	0	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	11	12	18	19	13	11	1	0	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	16	16	22	23	18	16	8	0	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	16	16	22	24	18	16	8	0	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	16	16	22	24	18	17	8	0	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	18	17	23	25	19	18	10	0	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	9	14	19	19	11	8	0	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	14	14	20	22	16	14	5	0	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	14	14	20	21	15	14	5	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	12	13	19	20	14	12	3	0	0	0	
219	Residence	Non-Participating	553788.75	4754034.02	16	16	22	23	17	16	7	0	0	0	
220	Residence	Non-Participating	553118.80	4754272.46	13	13	19	21	14	13	4	0	0	0	
221	Residence	Non-Participating	553211.92	4754368.10	12	13	19	20	14	12	3	0	0	0	
222	Residence	Non-Participating	553202.75	4754319.09	13	13	19	21	14	13	3	0	0	0	
223	Residence	Non-Participating	553023.01	4754463.57	9	12	18	19	11	8	0	0	0	0	
224	Residence	Non-Participating	552955.72	4754456.21	8	12	17	18	11	7	0	0	0	0	
225	Residence	Non-Participating	552827.55	4754411.53	7	12	17	17	10	6	0	0	0	0	
226	Residence	Non-Participating	552892.44	4754478.80	8	12	17	18	11	7	0	0	0	0	
229	Residence	Non-Participating	552622.43	4754532.87	9	11	17	18	11	9	0	0	0	0	
230	Residence	Non-Participating	552500.75	4754573.42	9	11	17	18	11	9	0	0	0	0	
231	Residence	Non-Participating	552394.76	4754564.47	8	11	16	18	11	8	0	0	0	0	
232	Residence	Non-Participating	552239.88	4754506.04	9	11	16	18	11	9	0	0	0	0	
233	Residence	Non-Participating	552345.21	4754413.19	9	11	17	18	12	9	0	0	0	0	
234	Residence	Non-Participating	552110.64	4754593.78	7	10	16	17	10	7	0	0	0	0	
235	Residence	Non-Participating	551830.65	4754673.54	7	9	15	16	9	7	0	0	0	0	
236	Residence	Non-Participating	551792.76	4754572.76	7	10	15	16	9	7	0	0	0	0	
237	Residence	Non-Participating	551819.02	4754476.31	7	10	16	17	10	7	0	0	0	0	
238	Residence	Non-Participating	551865.61	4754444.05	8	10	16	17	10	7	0	0	0	0	
239	Residence	Non-Participating	551438.07	4754841.79	5	8	14	15	8	5	0	0	0	0	
240	Residence	Non-Participating	551391.00	4754852.89	5	8	14	15	8	5	0	0	0	0	
241	Residence	Non-Participating	551367.92	4754811.20	5	8	14	15	8	5	0	0	0	0	
242	Residence	Non-Participating	551376.12	4754827.93	5	8	14	15	8	5	0	0	0	0	
243	Residence	Non-Participating	551350.26	4754867.76	5	8	14	15	8	4	0	0	0	0	
244	Residence	Non-Participating	551351.20	4754765.75	5	8	14	15	8	5	0	0	0	0	
245	Residence	Non-Participating	551389.48	4754763.51	5	8	14	15	8	5	0	0	0	0	
246	Residence	Non-Participating	551347.38	4754747.47	5	8	14	15	8	5	0	0	0	0	
247	Residence	Non-Participating	551360.09	4754701.39	5	8	14	15	8	5	0	0	0	0	
248	Residence	Non-Participating	551306.48	4754738.43	5	8	14	15	8	5	0	0	0	0	
249	Residence	Non-Participating	551314.25	4754709.08	5	8	14	15	8	5	0	0	0	0	
250	Residence	Non-Participating	551359.82	4754678.66	5	8	14	15	8	5	0	0	0	0	
251	Residence	Non-Participating	551447.80	4754719.49	6	9	14	15	8	5	0	0	0	0	
252	Residence	Non-Participating	551284.91	4754847.61	5	8	14	15	7	4	0	0	0	0	
253	Residence	Non-Participating	551283.06	4754818.35	5	8	14	15	7	4	0	0	0	0	
254	Residence	Non-Participating	551298.02	4754777.57	5	8	14	15	8	4	0	0	0	0	
255	Residence	Non-Participating	551273.29	4754710.31	5	8	14	15	8	5	0	0	0	0	
256	Residence	Non-Participating	551268.34	4754731.97	5	8	14	15	8	4	0	0	0	0	
257	Residence	Non-Participating	551247.83	4754748.35	5	8	14	15	8	4	0	0	0	0	
258	Residence	Non-Participating	551287.33	4754643.29	5	8	14	15	8	5	0	0	0	0	
259	Residence	Non-Participating	551224.03	4754867.18	4	8	14	15	7	4	0	0	0	0	
260	Residence	Non-Participating	551219.49	4754888.07	4	8	13	14	7	3	0	0	0	0	
261	Residence	Non-Participating	551213.74	4754907.71	4	8	13	14	7	4	0	0	0	0	
262	Residence	Non-Participating	551211.61	4754929.37	4	8	13	14	7	4	0	0	0	0	
263	Residence	Non-Participating	551204.30	4754955.64	4	8	13	14	7	4	0	0	0	0	
264	Residence	Non-Participating	551288.82	4754671.60	5	8	14	15	8	5	0	0	0	0	
265	Residence	Non-Participating	551273.90	4754673.40	5	8	14	15	8	5	0	0	0	0	
266	Residence	Non-Participating	551263.00	4754674.86	5	8	14	15	8	5	0	0	0	0	
267	Residence	Non-Participating	551249.46	4754684.68	5	8	14	15	8	5	0	0	0	0	
268	Residence	Non-Participating	551221.67	4754666.81	5	8	14	15	8	4	0	0	0	0	
269	Residence	Non-Participating	551217.45	4754690.70	5	8	14	15	8	4	0	0	0	0	
270	Residence	Non-Participating	551210.52	4754698.88	5	8	14	15	8	4	0	0	0	0	
271	Residence	Non-Participating	551201.53	4754704.65	5	8	14	15	7	4	0	0	0	0	
272	Residence	Non-Participating	551217.99	4754730.80	5	8	14	15	7	4	0	0	0	0	
273	Residence	Non-Participating	551157.49	4754658.09	5	8	14	15	7	4	0	0	0	0	
274	Residence	Non-Participating	551191.22	4754708.81	5	8	14	15	7	4	0	0	0	0	
275	Residence	Non-Participating	551203.01	4754740.23	5	8	14	15	7	4	0	0	0	0	
276	Residence	Non-Participating	551187.73	4754744.47	5	8	14	15	7	4	0	0	0	0	
277	Residence	Non-Participating	551173.11	4754718.66	5	8	14	15	7	4	0	0	0	0	
278	Residence	Non-Participating	551208.06	4754769.99	5	8	14	15	7	4	0	0	0	0	
279	Residence	Non-Participating	551233.34	4754806.62	5	8	14	15	7	4	0	0	0	0	
280	Residence	Non-Participating	551219.56	4754805.10	5	8	14	15	7	4	0	0	0	0	
281	Residence	Non-Participating	551208.89	4754805.01	5	8	14	15	7	4	0	0	0	0	
282	Residence	Non-Participating	551196.03	4754804.57	5	8	14	15	7	4	0	0	0	0	
283	Residence	Non-Participating	551159.96	4754397.83	5	8	14	15	8	5	0	0	0	0	
284	Residence	Non-Participating	551130.26	4754363.27	5	8	14	15	8	5	0	0	0	0	
285	Residence	Non-Participating	551076.05	4754225.02	5	9	14	15	8	5	0	0	0	0	
287	Residence	Non-Participating	550612.74	4753448.90	10	19	24	18	11	10	0	0	0	0	
288	Residence	Non-Participating	551265.67	4754590.90	5	8	14	15	8	5	0	0	0	0	
289	Residence	Non-Participating	551143.38	4755018.89	2	7	13	13	5	0	0	0	0	0	
290	Residence	Non-Participating	551132.67	4754986.85	0	7	12	12	3	0	0	0	0	0	
291	Residence	Non-Participating	551094.82	4754984.85	4	7	13	14	7	3	0	0	0	0	
292	Residence	Non-Participating	551081.34	4754943.71	4	8	13	14	7	3	0	0	0	0	
293	Residence	Non-Participating	551119.58	4755064.45	4	7	13	14	6	3	0	0	0	0	
294	Residence	Non-Participating	551106.74	4755029.86	3	7	13	14	6	2	0	0	0	0	
295	Residence	Non-Participating	551102.53	4755012.82	3	7	13	14	6	2	0	0	0	0	

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
297	Residence	Non-Participating	551096.47	4755269.48	3	7	13	13	6	2	0	0	0	0
298	Residence	Non-Participating	551074.12	4755266.33	2	7	12	13	5	1	0	0	0	0
299	Residence	Non-Participating	551054.17	4755262.67	2	7	12	13	5	0	0	0	0	0
300	Residence	Non-Participating	551106.58	4755151.63	4	7	13	14	6	3	0	0	0	0
301	Residence	Non-Participating	551075.32	4755019.57	3	7	13	14	6	2	0	0	0	0
302	Residence	Non-Participating	551050.07	4755000.14	4	7	13	14	6	3	0	0	0	0
303	Residence	Non-Participating	551089.41	4755015.56	3	7	13	14	6	2	0	0	0	0
304	Residence	Non-Participating	551016.47	4755000.54	4	7	13	14	6	3	0	0	0	0
305	Residence	Non-Participating	550926.18	4755025.15	3	7	13	14	6	3	0	0	0	0
306	Residence	Non-Participating	550902.21	4755030.21	3	7	13	14	6	2	0	0	0	0
307	Residence	Non-Participating	550864.74	4755035.76	3	7	13	13	6	2	0	0	0	0
308	Residence	Non-Participating	550832.57	4755040.95	3	7	13	13	6	2	0	0	0	0
309	Residence	Non-Participating	550813.43	4755049.25	3	7	13	13	6	2	0	0	0	0
310	Residence	Non-Participating	550787.29	4755051.69	3	7	12	13	6	2	0	0	0	0
311	Residence	Non-Participating	550765.69	4755055.14	3	7	12	13	6	2	0	0	0	0
312	Residence	Non-Participating	550738.53	4755060.68	3	7	12	13	6	2	0	0	0	0
313	Residence	Non-Participating	550733.66	4755026.08	3	7	12	13	6	2	0	0	0	0
314	Residence	Non-Participating	550761.51	4755020.67	3	7	12	13	6	2	0	0	0	0
315	Residence	Non-Participating	550784.14	4755016.18	3	7	13	13	6	2	0	0	0	0
316	Residence	Non-Participating	550805.10	4755013.79	3	7	13	13	6	2	0	0	0	0
317	Residence	Non-Participating	550830.46	4755008.57	3	7	13	13	6	2	0	0	0	0
318	Residence	Non-Participating	550854.11	4755004.76	3	7	13	14	6	2	0	0	0	0
319	Residence	Non-Participating	550875.87	4755000.63	3	7	13	14	6	2	0	0	0	0
320	Residence	Non-Participating	550898.55	4754995.13	3	7	13	14	6	3	0	0	0	0
321	Residence	Non-Participating	550924.17	4754990.22	3	7	13	14	6	3	0	0	0	0
322	Residence	Non-Participating	550947.14	4754982.12	3	7	13	14	6	3	0	0	0	0
323	Residence	Non-Participating	551003.16	4754892.98	4	7	13	14	7	3	0	0	0	0
324	Residence	Non-Participating	550953.63	4754942.08	4	7	13	14	6	3	0	0	0	0
325	Residence	Non-Participating	550951.68	4754893.97	4	7	13	14	6	3	0	0	0	0
326	Residence	Non-Participating	550932.16	4754901.06	4	7	13	14	6	3	0	0	0	0
327	Residence	Non-Participating	550924.86	4754940.74	3	7	13	14	6	3	0	0	0	0
328	Residence	Non-Participating	550907.30	4754906.21	4	7	13	14	6	3	0	0	0	0
329	Residence	Non-Participating	550902.26	4754944.25	3	7	13	14	6	3	0	0	0	0
330	Residence	Non-Participating	550882.99	4754908.86	3	7	13	14	6	3	0	0	0	0
331	Residence	Non-Participating	550877.88	4754951.63	3	7	13	14	6	3	0	0	0	0
332	Residence	Non-Participating	550859.79	4754914.95	3	7	13	14	6	3	0	0	0	0
333	Residence	Non-Participating	550853.17	4754953.37	3	7	13	14	6	3	0	0	0	0
334	Residence	Non-Participating	550836.80	4754918.41	3	7	13	14	6	3	0	0	0	0
335	Residence	Non-Participating	550835.17	4754956.90	3	7	13	14	6	2	0	0	0	0
336	Residence	Non-Participating	550811.53	4754921.81	3	7	13	14	6	2	0	0	0	0
337	Residence	Non-Participating	550811.03	4754959.46	3	7	13	13	6	2	0	0	0	0
338	Residence	Non-Participating	550788.34	4754927.78	3	7	13	13	6	2	0	0	0	0
339	Residence	Non-Participating	550782.70	4754966.07	3	7	13	13	6	2	0	0	0	0
340	Residence	Non-Participating	550759.41	4754973.37	3	7	13	13	6	2	0	0	0	0
341	Residence	Non-Participating	550536.56	4754834.20	1	7	12	12	4	0	0	0	0	0
342	Residence	Non-Participating	550559.36	4754845.37	2	7	12	13	5	0	0	0	0	0
343	Residence	Non-Participating	550537.49	4754880.60	2	7	12	13	5	1	0	0	0	0
344	Residence	Non-Participating	550563.03	4754888.12	2	7	12	13	5	2	0	0	0	0
345	Residence	Non-Participating	550581.18	4754849.29	2	7	12	13	5	1	0	0	0	0
346	Residence	Non-Participating	550606.18	4754858.64	2	7	12	13	5	1	0	0	0	0
347	Residence	Non-Participating	550581.06	4754892.30	3	7	12	13	5	2	0	0	0	0
348	Residence	Non-Participating	550627.87	4754866.16	2	7	12	13	5	1	0	0	0	0
349	Residence	Non-Participating	550606.38	4754901.75	3	7	12	13	5	2	0	0	0	0
350	Residence	Non-Participating	550646.19	4754871.73	2	7	12	13	5	1	0	0	0	0
351	Residence	Non-Participating	550629.92	4754910.37	3	7	12	13	5	2	0	0	0	0
352	Residence	Non-Participating	550651.92	4754918.85	3	7	12	13	6	2	0	0	0	0
353	Residence	Non-Participating	550676.03	4754882.55	2	7	12	13	5	1	0	0	0	0
354	Residence	Non-Participating	550697.98	4754891.67	3	7	13	13	6	2	0	0	0	0
355	Residence	Non-Participating	550718.13	4754897.82	3	7	13	13	6	2	0	0	0	0
356	Residence	Non-Participating	550674.19	4754922.88	3	7	12	13	6	2	0	0	0	0
357	Residence	Non-Participating	550696.75	4754931.72	3	7	12	13	6	2	0	0	0	0
358	Residence	Non-Participating	550721.27	4754938.63	3	7	13	13	6	2	0	0	0	0
359	Residence	Non-Participating	550569.94	4754927.90	2	7	12	13	5	2	0	0	0	0
360	Residence	Non-Participating	550593.65	4754938.80	3	7	12	13	5	2	0	0	0	0
361	Residence	Non-Participating	550614.53	4754943.30	3	7	12	13	5	2	0	0	0	0
362	Residence	Non-Participating	550635.87	4754950.52	3	7	12	13	6	2	0	0	0	0
363	Residence	Non-Participating	550661.03	4754960.54	3	7	12	13	6	2	0	0	0	0
364	Residence	Non-Participating	550566.67	4754968.96	2	7	12	13	5	2	0	0	0	0
365	Residence	Non-Participating	550588.92	4754977.80	2	7	12	13	5	2	0	0	0	0
367	Residence	Non-Participating	550163.82	4755713.22	0	5	11	11	3	0	0	0	0	0
370	Residence	Non-Participating	549894.89	4755626.38	0	5	10	11	3	0	0	0	0	0
371	Residence	Non-Participating	549908.67	4755667.97	0	5	10	11	3	0	0	0	0	0
372	Residence	Non-Participating	549865.81	4755607.45	0	5	10	11	3	0	0	0	0	0
373	Residence	Non-Participating	549852.45	4755533.47	0	5	10	11	3	0	0	0	0	0
374	Residence	Non-Participating	549774.54	4755556.47	0	5	10	11	2	0	0	0	0	0
376	Residence	Non-Participating	549526.20	4755402.39	0	5	10	11	2	0	0	0	0	0
377	Residence	Non-Participating	549490.82	4755370.60	0	5	10	10	2	0	0	0	0	0
378	Residence	Non-Participating	549348.85	4755236.33	0	4	10	10	2	0	0	0	0	0
379	Residence	Non-Participating	548981.38	4754313.49	0	4	10	10	1	0	0	0	0	0
380	Residence	Non-Participating	549233.49	4754417.60	0	5	10	10	1	0	0	0	0	0
381	Residence	Non-Participating	548351.04	4754688.66	0	3	9	9	0	0	0	0	0	0
382	Residence	Non-Participating	548524.96	4754025.22	0	4	9	9	1	0	0	0	0	0
383	Residence	Non-Participating	548435.67	4753966.26	0	4	9	10	1	0	0	0	0	0
384	Residence	Non-Participating	548388.96	4753886.51	0	4	9	9	1	0	0	0	0	0

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
385	Residence	Non-Participating	547889.56	4754422.75	0	3	8	8	0	0	0	0	0	0	
386	Residence	Non-Participating	547594.46	4754197.17	0	3	8	8	0	0	0	0	0	0	
387	Residence	Non-Participating	547653.89	4754252.46	0	3	8	8	0	0	0	0	0	0	
388	Residence	Non-Participating	547726.87	4754321.39	0	3	8	8	0	0	0	0	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	0	5	11	11	3	0	0	0	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	0	5	10	11	3	0	0	0	0	0	
391	Residence	Non-Participating	549249.43	4751270.26	0	5	11	11	3	0	0	0	0	0	
393	Residence	Non-Participating	551158.81	4749264.64	2	6	12	13	5	1	0	0	0	0	
394	Residence	Non-Participating	553410.52	4748301.00	2	6	12	13	5	1	0	0	0	0	
395	Residence	Non-Participating	553233.41	4748367.33	2	7	12	13	5	1	0	0	0	0	
396	Residence	Non-Participating	553375.92	4748408.61	3	7	12	13	5	2	0	0	0	0	
397	Residence	Non-Participating	553293.94	4748530.05	3	7	13	13	6	2	0	0	0	0	
398	Residence	Non-Participating	553288.85	4748783.36	4	7	13	14	7	3	0	0	0	0	
399	Residence	Non-Participating	556001.32	4750730.56	14	21	27	21	14	14	5	0	0	0	
400	Residence	Non-Participating	553185.76	4750210.79	14	22	28	21	15	15	7	0	0	0	
401	Residence	Non-Participating	552349.44	4754129.23	10	12	18	19	13	10	1	0	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	13	14	20	21	15	13	4	0	0	0	
406	Residence	Non-Participating	550429.90	4752241.65	5	8	14	15	7	4	0	0	0	0	
407	Residence	Non-Participating	551434.85	4748588.34	1	6	11	12	4	0	0	0	0	0	
408	Residence	Non-Participating	551509.51	4748562.13	1	6	11	12	4	0	0	0	0	0	
409	Residence	Non-Participating	552894.34	4749050.10	4	8	13	14	7	4	0	0	0	0	
410	Residence	Non-Participating	552986.65	4749028.41	4	8	14	14	7	4	0	0	0	0	
411	Residence	Non-Participating	553028.58	4749044.41	5	8	14	15	7	4	0	0	0	0	
412	Residence	Non-Participating	553104.89	4749100.81	5	8	14	15	7	4	0	0	0	0	
413	Residence	Non-Participating	553366.60	4749180.10	5	8	14	15	8	5	0	0	0	0	
414	Residence	Non-Participating	553423.99	4749256.20	6	9	14	15	8	5	0	0	0	0	
415	Residence	Non-Participating	553448.37	4749428.97	6	9	15	16	9	6	0	0	0	0	
416	Residence	Non-Participating	553410.82	4749414.98	6	9	15	16	9	6	0	0	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	6	9	15	16	9	6	0	0	0	0	
418	Residence	Non-Participating	553431.75	4749567.75	7	10	15	16	9	7	0	0	0	0	
419	Residence	Non-Participating	553626.20	4749451.77	7	9	15	16	9	6	0	0	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	7	9	15	16	9	6	0	0	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	7	9	15	16	9	7	0	0	0	0	
422	Residence	Non-Participating	553407.05	4749773.65	8	10	16	17	10	8	0	0	0	0	
423	Residence	Non-Participating	553983.54	4749933.68	9	11	17	18	11	9	0	0	0	0	
424	Residence	Non-Participating	555173.49	4750134.49	9	11	16	18	11	9	0	0	0	0	
425	Residence	Non-Participating	555207.56	4750221.59	9	11	17	18	11	9	0	0	0	0	
426	Residence	Non-Participating	555338.78	4750321.81	9	11	17	18	11	9	0	0	0	0	
427	Residence	Non-Participating	555349.53	4750479.06	10	11	17	19	12	10	0	0	0	0	
428	Residence	Non-Participating	555438.17	4750536.27	10	11	17	19	12	10	0	0	0	0	
429	Residence	Non-Participating	555846.23	4750675.55	9	11	17	18	11	9	0	0	0	0	
430	Residence	Non-Participating	554878.22	4751320.86	21	26	32	26	20	21	15	1	0	0	
431	Residence	Non-Participating	554716.98	4751199.68	21	26	32	26	20	21	14	1	0	0	
432	Residence	Non-Participating	554651.09	4751173.01	21	26	32	26	20	21	15	1	0	0	
433	Residence	Non-Participating	554439.15	4751098.15	21	26	32	26	20	21	15	1	0	0	
435	Residence	Non-Participating	554221.22	4750614.26	18	24	30	24	18	18	11	0	0	0	
436	Residence	Non-Participating	554071.16	4750539.40	17	24	29	23	17	17	10	0	0	0	
437	Residence	Non-Participating	553198.23	4750221.86	15	22	28	21	15	15	7	0	0	0	
438	Residence	Non-Participating	552630.81	4749781.96	7	9	15	16	9	6	0	0	0	0	
439	Residence	Non-Participating	552139.68	4749540.13	10	19	24	18	11	10	0	0	0	0	
440	Residence	Non-Participating	551342.64	4749649.80	3	7	13	14	6	3	0	0	0	0	
441	Residence	Non-Participating	551641.64	4749636.40	4	8	13	14	7	3	0	0	0	0	
442	Residence	Non-Participating	551984.34	4749770.31	5	8	14	15	8	5	0	0	0	0	
443	Residence	Non-Participating	551945.18	4749889.18	6	9	14	15	8	5	0	0	0	0	
444	Residence	Non-Participating	551920.47	4749921.68	6	9	14	15	8	5	0	0	0	0	
445	Residence	Non-Participating	551849.72	4749991.56	6	9	14	15	8	5	0	0	0	0	
446	Residence	Non-Participating	551698.69	4750089.38	5	9	14	15	8	5	0	0	0	0	
447	Residence	Non-Participating	551676.72	4750130.29	6	9	14	15	8	5	0	0	0	0	
448	Residence	Non-Participating	551657.14	4750165.55	6	9	14	15	8	5	0	0	0	0	
451	Residence	Non-Participating	551533.62	4750503.47	6	9	15	16	9	6	0	0	0	0	
452	Residence	Non-Participating	551597.12	4750545.03	6	9	15	16	9	6	0	0	0	0	
455	Residence	Non-Participating	552736.48	4751255.66	13	14	20	21	15	13	4	0	0	0	
456	Residence	Non-Participating	552769.86	4751277.02	13	14	20	21	15	14	5	0	0	0	
457	Residence	Non-Participating	552830.19	4751320.02	14	14	20	22	16	14	5	0	0	0	
458	Residence	Non-Participating	553436.51	4751759.80	20	19	25	27	21	20	13	2	0	0	
459	Residence	Non-Participating	553506.02	4751738.27	20	19	25	27	21	21	13	2	0	0	
460	Residence	Non-Participating	553483.84	4751851.04	21	20	26	28	22	21	14	3	0	0	
461	Residence	Non-Participating	553735.55	4751741.11	22	20	26	28	23	22	14	4	0	0	
462	Residence	Non-Participating	553602.95	4751849.63	22	21	27	29	23	22	15	5	0	0	
463	Residence	Non-Participating	553679.93	4751877.58	28	32	38	33	27	28	23	14	0	0	
464	Residence	Non-Participating	553955.49	4751998.63	31	34	40	36	30	31	26	18	0	0	
465	Residence	Non-Participating	554013.92	4752018.30	32	35	41	37	30	32	27	19	2	0	
466	Residence	Non-Participating	554330.16	4752045.99	31	34	40	36	29	31	26	18	0	0	
467	Residence	Non-Participating	554385.45	4752105.59	31	34	40	36	30	31	26	18	0	0	
468	Residence	Non-Participating	554996.21	4752983.11	20	19	25	27	21	20	12	1	0	0	
469	Residence	Non-Participating	552463.19	4751826.01	14	14	20	22	16	14	5	0	0	0	
470	Residence	Non-Participating	552415.86	4751905.24	14	14	20	22	16	14	5	0	0	0	
471	Residence	Non-Participating	552384.43	4751953.62	14	14	20	22	15	14	5	0	0	0	
472	Residence	Non-Participating	550864.41	4750895.54	9	19	24	18	11	9	0	0	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	8	18	23	16	9	7	0	0	0	0	
474	Residence	Non-Participating	550416.04	4750554.30	3	7	12	13	6	2	0	0	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	3	7	12	13	6	2	0	0	0	0	
476	Residence	Non-Participating	550994.06	4751341.10	6	9	15	16	9	6	0	0	0	0	
477	Residence	Non-Participating	550857.25	4751368.13	5	9	14	15	8	5	0	0	0	0	

Table 7-5.2a: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
478	Residence	Non-Participating	550757.63	4751376.95	5	8	14	15	8	5	0	0	0	0	
479	Residence	Non-Participating	550696.17	4751558.34	5	8	14	15	8	5	0	0	0	0	
480	Residence	Non-Participating	550539.97	4751547.18	5	8	14	15	7	4	0	0	0	0	
481	Residence	Non-Participating	550327.91	4751516.47	4	7	13	14	7	3	0	0	0	0	
482	Residence	Non-Participating	550699.44	4751654.52	5	8	14	15	8	5	0	0	0	0	
483	Residence	Non-Participating	550669.44	4752004.85	5	8	14	15	8	5	0	0	0	0	
484	Residence	Non-Participating	550340.44	4752119.24	4	8	13	14	7	4	0	0	0	0	
485	Residence	Non-Participating	550406.61	4752193.43	4	8	14	14	7	4	0	0	0	0	
487	Residence	Non-Participating	550360.85	4752323.22	4	8	13	14	7	4	0	0	0	0	
488	Residence	Non-Participating	548909.80	4752806.39	0	5	10	11	3	0	0	0	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	0	5	10	11	3	0	0	0	0	0	
490	Residence	Non-Participating	549715.75	4753011.53	2	6	12	13	5	1	0	0	0	0	
491	Residence	Non-Participating	549604.03	4752964.13	2	6	12	12	5	1	0	0	0	0	
497	Residence	Non-Participating	548989.32	4753277.25	0	5	10	11	3	0	0	0	0	0	
498	Residence	Non-Participating	549058.44	4753446.84	0	5	11	11	3	0	0	0	0	0	
502	Residence	Non-Participating	548729.84	4754058.42	0	4	10	10	2	0	0	0	0	0	
504	Residence	Non-Participating	550230.99	4755026.90	0	5	10	9	0	0	0	0	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	16	16	22	24	18	16	8	0	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	10	12	18	19	12	10	1	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	11	12	18	19	13	11	1	0	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	6	9	15	16	9	6	0	0	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	7	9	15	16	9	6	0	0	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	8	10	16	17	10	8	0	0	0	0	
512	Residence	Non-Participating	555076.34	4749863.02	8	10	16	17	10	8	0	0	0	0	
514	Residence	Non-Participating	549153.02	4751377.72	0	5	11	11	3	0	0	0	0	0	
515	Residence	Non-Participating	548917.85	4751629.91	0	5	10	11	2	0	0	0	0	0	
516	Residence	Non-Participating	549152.91	4751526.35	0	5	11	11	3	0	0	0	0	0	
517	Residence	Non-Participating	549314.70	4755280.09	0	4	10	10	2	0	0	0	0	0	
518	Residence	Non-Participating	549706.22	4755534.47	0	5	10	11	2	0	0	0	0	0	
519	Residence	Non-Participating	549942.05	4755557.33	0	5	11	11	3	0	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
465	Residence	Non-Participating	554013.92	4752018.30	32	35	41	37	30	32	27	19	2	0	
519	Residence	Non-Participating	549942.05	4755557.33	0	5	11	11	3	0	0	0	0	0	

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
465	Residence	Non-Participating	554013.92	4752018.30	32	35	41	37	30	32	27	19	2	0	
464	Residence	Non-Participating	553955.49	4751998.63	31	34	40	36	30	31	26	18	0	0	
467	Residence	Non-Participating	554385.45	4752105.59	31	34	40	36	30	31	26	18	0	0	
466	Residence	Non-Participating	554330.16	4752045.99	31	34	40	36	29	31	26	18	0	0	
463	Residence	Non-Participating	553679.93	4751877.58	28	32	38	33	27	28	23	14	0	0	
128	Residence	Non-Participating	555111.42	4752030.41	23	28	34	28	23	24	18	6	0	0	
129	Residence	Non-Participating	555109.17	4751999.69	23	28	34	28	23	24	18	6	0	0	
127	Residence	Non-Participating	555150.42	4752043.77	23	28	34	28	22	23	17	6	0	0	
125	Residence	Non-Participating	555278.06	4752246.63	23	28	33	28	22	23	17	5	0	0	
123	Residence	Non-Participating	555314.75	4752326.25	23	27	33	28	22	23	17	4	0	0	
124	Residence	Non-Participating	555303.73	4752278.93	23	27	33	28	22	23	17	4	0	0	
126	Residence	Non-Participating	555310.17	4752191.86	22	27	33	27	22	23	16	4	0	0	
130	Residence	Non-Participating	555181.62	4751872.74	22	27	33	27	22	22	16	4	0	0	
131	Residence	Non-Participating	555071.83	4751700.54	22	27	33	27	21	22	16	4	0	0	
462	Residence	Non-Participating	553602.95	4751849.63	22	21	27	29	23	22	15	5	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	22	27	33	27	21	22	16	3	0	0	
122	Residence	Non-Participating	555389.22	4752260.79	22	27	33	27	21	22	16	3	0	0	
132	Residence	Non-Participating	555052.74	4751624.77	22	27	33	27	21	22	16	3	0	0	
461	Residence	Non-Participating	553735.55	4751741.11	22	20	26	28	23	22	14	4	0	0	
121	Residence	Non-Participating	555444.52	4752334.26	21	27	33	27	21	22	15	2	0	0	
133	Residence	Non-Participating	555139.23	4751628.39	21	27	32	27	21	22	15	2	0	0	
460	Residence	Non-Participating	553483.84	4751851.04	21	20	26	28	22	21	14	3	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	21	26	32	26	21	21	15	1	0	0	
430	Residence	Non-Participating	554878.22	4751320.86	21	26	32	26	20	21	15	1	0	0	
432	Residence	Non-Participating	554651.09	4751173.01	21	26	32	26	20	21	15	1	0	0	
433	Residence	Non-Participating	554439.15	4751098.15	21	26	32	26	20	21	15	1	0	0	
431	Residence	Non-Participating	554716.98	4751199.68	21	26	32	26	20	21	14	1	0	0	
459	Residence	Non-Participating	553506.02	4751738.27	20	19	25	27	21	21	13	2	0	0	
458	Residence	Non-Participating	553436.51	4751759.80	20	19	25	27	21	20	13	2	0	0	
468	Residence	Non-Participating	554996.21	4752983.11	20	19	25	27	21	20	12	1	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	19	25	31	25	19	19	13	0	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	19	25	30	24	18	19	12	0	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	18	25	30	24	18	19	12	0	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	18	25	30	24	18	19	12	0	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	18	24	30	24	18	19	12	0	0	0	
108	Residence	Non-Participating	555791.22	4753184.54	18	24	30	24	18	19	11	0	0	0	
110	Residence	Non-Participating	555817.29	4753094.52	18	24	30	24	18	19	11	0	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	18	24	30	24	18	19	12	0	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	18	24	30	24	18	18	11	0	0	0	
107	Residence	Non-Participating	555822.18	4753188.69	18	24	30	24	18	18	11	0	0	0	
106	Residence	Non-Participating	555847.25	4753231.57	18	24	30	24	18	18	11	0	0	0	
111	Residence	Non-Participating	555867.13	4753181.53	18	24	30	24	18	18	11	0	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	18	24	30	24	18	18	11	0	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	18	17	23	25	19	18	10	0	0	0	
435	Residence	Non-Participating	554221.22	4750614.26	18	24	30	24	18	18	11	0	0	0	
112	Residence	Non-Participating	555889.77	4753223.55	18	24	30	24	18	18	11	0	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	17	24	30	24	17	18	10	0	0	0	
436	Residence	Non-Participating	554071.16	4750539.40	17	24	29	23	17	17	10	0	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	16	16	22	24	18	17	8	0	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	16	16	22	24	18	16	8	0	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	16	16	22	24	18	16	8	0	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	16	16	22	23	18	16	8	0	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	16	23	29	22	16	16	8	0	0	0	
139	Residence	Non-Participating	551778.30	4752503.24	16	23	28	22	16	16	8	0	0	0	
219	Residence	Non-Participating	553788.75	4754034.02	16	16	22	23	17	16	7	0	0	0	
205	Residence	Non-Participating	556213.27	4751774.05	16	23	28	22	16	16	8	0	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	15	22	28	22	16	16	8	0	0	0	
103	Residence	Non-Participating	555414.87	4753215.13	15	16	21	23	17	15	6	0	0	0	
200	Residence	Non-Participating	555951.70	4751023.36	15	22	28	22	15	15	7	0	0	0	
102	Residence	Non-Participating	552906.80	4751355.90	15	15	21	22	16	15	6	0	0	0	
437	Residence	Non-Participating	553198.23	4750221.86	15	22	28	21	15	15	7	0	0	0	
201	Residence	Non-Participating	556299.02	4751489.59	14	22	28	21	15	15	7	0	0	0	
400	Residence	Non-Participating	553185.76	4750210.79	14	22	28	21	15	15	7	0	0	0	
104	Residence	Non-Participating	555583.14	4753304.80	14	15	20	22	16	14	5	0	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	14	22	27	21	15	14	6	0	0	0	
457	Residence	Non-Participating	552830.19	4751320.02	14	14	20	22	16	14	5	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	14	14	20	22	16	14	5	0	0	0	
469	Residence	Non-Participating	552463.19	4751826.01	14	14	20	22	16	14	5	0	0	0	
470	Residence	Non-Participating	552415.86	4751905.24	14	14	20	22	16	14	5	0	0	0	
471	Residence	Non-Participating	552384.43	4751953.62	14	14	20	22	15	14	5	0	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	14	14	20	21	15	14	5	0	0	0	
399	Residence	Non-Participating	556001.32	4750730.56	14	21	27	21	14	14	5	0	0	0	
456	Residence	Non-Participating	552769.86	4751277.02	13	14	20	21	15	14	5	0	0	0	
455	Residence	Non-Participating	552736.48	4751255.66	13	14	20	21	15	13	4	0	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	13	14	20	21	15	13	4	0	0	0	
220	Residence	Non-Participating	553118.80	4754272.46	13	13	19	21	14	13	4	0	0	0	
222	Residence	Non-Participating	553202.75	4754319.09	13	13	19	21	14	13	3	0	0	0	
168	Residence	Non-Participating	552058.11	4752751.95	12	13	19	20	14	12	3	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	12	13	19	20	14	12	3	0	0	0	
221	Residence	Non-Participating	553211.92	4754368.10	12	13	19	20	14	12	3	0	0	0	
96	Residence	Non-Participating	552037.80	4752985.58	12	13	19	20	14	12	3	0	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	12	13	19	20	14	12	3	0	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	12	13	19	20	14	12	3	0	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	12	20	26	19	12	12	3	0	0	0	

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
198	Residence	Non-Participating	556617.91	4750861.79	12	20	26	19	12	12	3	0	0	0	
95	Residence	Non-Participating	551958.41	4753020.24	11	13	18	20	13	12	2	0	0	0	
58	Residence	Non-Participating	555200.32	4749639.45	11	20	26	19	12	12	2	0	0	0	
134	Residence	Non-Participating	551914.00	4752906.30	11	12	18	20	13	11	2	0	0	0	
94	Residence	Non-Participating	551926.20	4753102.00	11	12	18	20	13	11	2	0	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	11	20	25	19	12	11	2	0	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	11	20	25	19	12	11	2	0	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	11	12	18	19	13	11	1	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	11	12	18	19	13	11	1	0	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	11	12	18	19	13	11	1	0	0	0	
401	Residence	Non-Participating	552349.44	4754129.23	10	12	18	19	13	10	1	0	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	10	12	18	19	12	10	1	0	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	10	19	25	18	11	10	1	0	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	10	19	25	18	11	10	0	0	0	0	
427	Residence	Non-Participating	555349.53	4750479.06	10	11	17	19	12	10	0	0	0	0	
428	Residence	Non-Participating	555438.17	4750536.27	10	11	17	19	12	10	0	0	0	0	
287	Residence	Non-Participating	550612.74	4753448.90	10	19	24	18	11	10	0	0	0	0	
439	Residence	Non-Participating	552139.68	4749540.13	10	19	24	18	11	10	0	0	0	0	
233	Residence	Non-Participating	552345.21	4754413.19	9	11	17	18	12	9	0	0	0	0	
472	Residence	Non-Participating	550864.41	4750895.54	9	19	24	18	11	9	0	0	0	0	
426	Residence	Non-Participating	555338.78	4750321.81	9	11	17	18	11	9	0	0	0	0	
65	Residence	Non-Participating	555326.36	4750299.14	9	11	17	18	11	9	0	0	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	9	18	24	17	10	9	0	0	0	0	
425	Residence	Non-Participating	555207.56	4750221.59	9	11	17	18	11	9	0	0	0	0	
429	Residence	Non-Participating	555846.23	4750675.55	9	11	17	18	11	9	0	0	0	0	
423	Residence	Non-Participating	553983.54	4749933.68	9	11	17	18	11	9	0	0	0	0	
230	Residence	Non-Participating	552500.75	4754573.42	9	11	17	18	11	9	0	0	0	0	
229	Residence	Non-Participating	552622.43	4754532.87	9	11	17	18	11	9	0	0	0	0	
232	Residence	Non-Participating	552239.88	4754506.04	9	11	16	18	11	9	0	0	0	0	
424	Residence	Non-Participating	555173.49	4750134.49	9	11	16	18	11	9	0	0	0	0	
141	Residence	Non-Participating	550260.97	4753028.28	9	18	24	17	10	8	0	0	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	9	14	19	19	11	8	0	0	0	0	
223	Residence	Non-Participating	553023.01	4754463.57	9	12	18	19	11	8	0	0	0	0	
68	Residence	Non-Participating	555137.11	4750029.20	8	10	16	17	11	8	0	0	0	0	
138	Residence	Non-Participating	551321.25	4752157.29	8	10	16	17	11	8	0	0	0	0	
99	Residence	Non-Participating	551588.21	4753855.54	8	10	16	17	10	8	0	0	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	8	10	16	17	10	8	0	0	0	0	
62	Residence	Non-Participating	555117.84	4749958.10	8	10	16	17	10	8	0	0	0	0	
98	Residence	Non-Participating	551570.84	4753904.92	8	10	16	17	10	8	0	0	0	0	
226	Residence	Non-Participating	552892.44	4754478.80	8	12	17	18	11	7	0	0	0	0	
231	Residence	Non-Participating	552394.76	4754564.47	8	11	16	18	11	8	0	0	0	0	
137	Residence	Non-Participating	551242.05	4752107.85	8	10	16	17	10	8	0	0	0	0	
224	Residence	Non-Participating	552955.72	4754456.21	8	12	17	18	11	7	0	0	0	0	
422	Residence	Non-Participating	553407.05	4749773.65	8	10	16	17	10	8	0	0	0	0	
512	Residence	Non-Participating	555076.34	4749863.02	8	10	16	17	10	8	0	0	0	0	
238	Residence	Non-Participating	551865.61	4754444.05	8	10	16	17	10	7	0	0	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	8	18	23	16	9	7	0	0	0	0	
143	Residence	Non-Participating	549935.88	4752984.91	7	17	23	16	9	7	0	0	0	0	
237	Residence	Non-Participating	551819.02	4754476.31	7	10	16	17	10	7	0	0	0	0	
60	Residence	Non-Participating	555054.50	4749780.10	7	10	16	17	10	7	0	0	0	0	
59	Residence	Non-Participating	555115.67	4749759.00	7	10	15	17	10	7	0	0	0	0	
234	Residence	Non-Participating	552110.64	4754593.78	7	10	16	17	10	7	0	0	0	0	
56	Residence	Non-Participating	554794.56	4749621.54	7	10	15	16	10	7	0	0	0	0	
236	Residence	Non-Participating	551792.76	4754572.76	7	10	15	16	9	7	0	0	0	0	
225	Residence	Non-Participating	552827.55	4754411.53	7	12	17	17	10	6	0	0	0	0	
418	Residence	Non-Participating	553431.75	4749567.75	7	10	15	16	9	7	0	0	0	0	
10	Residence	Non-Participating	553620.51	4749511.82	7	9	15	16	9	7	0	0	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	7	9	15	16	9	7	0	0	0	0	
100	Residence	Non-Participating	551449.45	4754199.65	7	9	15	16	9	7	0	0	0	0	
235	Residence	Non-Participating	551830.65	4754673.54	7	9	15	16	9	7	0	0	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	7	9	15	16	9	7	0	0	0	0	
57	Residence	Non-Participating	554895.30	4749569.97	7	9	15	16	9	6	0	0	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	7	9	15	16	9	7	0	0	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	7	9	15	16	9	6	0	0	0	0	
43	Residence	Non-Participating	554143.66	4749432.07	7	9	15	16	9	6	0	0	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	7	9	15	16	9	6	0	0	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	7	9	15	16	9	6	0	0	0	0	
419	Residence	Non-Participating	553626.20	4749451.77	7	9	15	16	9	6	0	0	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	7	9	15	16	9	6	0	0	0	0	
438	Residence	Non-Participating	552630.81	4749781.96	7	9	15	16	9	6	0	0	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	7	9	15	16	9	6	0	0	0	0	
12	Residence	Non-Participating	553577.66	4749441.54	7	9	15	16	9	6	0	0	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	7	9	15	16	9	6	0	0	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	7	9	15	16	9	6	0	0	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	7	9	15	16	9	6	0	0	0	0	
11	Residence	Non-Participating	553607.06	4749417.70	6	9	15	16	9	6	0	0	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	6	9	15	16	9	6	0	0	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	6	9	15	16	9	6	0	0	0	0	
34	Residence	Non-Participating	553815.53	4749386.41	6	9	15	16	9	6	0	0	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	6	9	15	16	9	6	0	0	0	0	
38	Residence	Non-Participating	553960.01	4749383.92	6	9	15	16	9	6	0	0	0	0	
39	Residence	Non-Participating	553977.57	4749391.48	6	9	15	16	9	6	0	0	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	6	9	15	16	9	6	0	0	0	0	
452	Residence	Non-Participating	551597.12	4750545.03	6	9	15	16	9	6	0	0	0	0	

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
15	Residence	Non-Participating	553564.27	4749411.72	6	9	15	16	9	6	0	0	0	0	
194	Residence	Non-Participating	555802.43	4749877.62	6	9	15	16	9	6	0	0	0	0	
415	Residence	Non-Participating	553448.37	4749428.97	6	9	15	16	9	6	0	0	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	6	9	15	16	9	6	0	0	0	0	
29	Residence	Non-Participating	553708.92	4749353.07	6	9	15	16	9	6	0	0	0	0	
32	Residence	Non-Participating	553786.39	4749339.35	6	9	15	16	9	6	0	0	0	0	
33	Residence	Non-Participating	553810.04	4749348.12	6	9	15	16	9	6	0	0	0	0	
35	Residence	Non-Participating	553842.45	4749353.44	6	9	15	16	9	6	0	0	0	0	
48	Residence	Non-Participating	552422.18	4749780.50	6	9	15	16	9	6	0	0	0	0	
416	Residence	Non-Participating	553410.82	4749414.98	6	9	15	16	9	6	0	0	0	0	
30	Residence	Non-Participating	553730.45	4749320.50	6	9	15	16	9	6	0	0	0	0	
92	Residence	Non-Participating	551525.79	4750504.83	6	9	15	16	9	6	0	0	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	6	9	15	16	9	6	0	0	0	0	
451	Residence	Non-Participating	551533.62	4750503.47	6	9	15	16	9	6	0	0	0	0	
27	Residence	Non-Participating	553684.46	4749312.08	6	9	15	16	9	6	0	0	0	0	
28	Residence	Non-Participating	553710.71	4749317.74	6	9	15	16	9	6	0	0	0	0	
24	Residence	Non-Participating	553574.39	4749309.19	6	9	15	16	9	6	0	0	0	0	
25	Residence	Non-Participating	553620.54	4749291.76	6	9	15	16	9	6	0	0	0	0	
476	Residence	Non-Participating	550994.06	4751341.10	6	9	15	16	9	6	0	0	0	0	
23	Residence	Non-Participating	553561.73	4749272.69	6	9	14	16	8	5	0	0	0	0	
49	Residence	Non-Participating	552215.88	4749784.96	6	9	14	15	8	5	0	0	0	0	
18	Residence	Non-Participating	553475.99	4749272.63	6	9	14	15	8	5	0	0	0	0	
66	Residence	Non-Participating	553499.88	4749228.65	6	9	14	15	8	5	0	0	0	0	
414	Residence	Non-Participating	553423.99	4749256.20	6	9	14	15	8	5	0	0	0	0	
251	Residence	Non-Participating	551447.80	4754719.49	6	9	14	15	8	5	0	0	0	0	
443	Residence	Non-Participating	551945.18	4749889.18	6	9	14	15	8	5	0	0	0	0	
444	Residence	Non-Participating	551920.47	4749921.68	6	9	14	15	8	5	0	0	0	0	
445	Residence	Non-Participating	551849.72	4749991.56	6	9	14	15	8	5	0	0	0	0	
447	Residence	Non-Participating	551676.72	4750130.29	6	9	14	15	8	5	0	0	0	0	
448	Residence	Non-Participating	551657.14	4750165.55	6	9	14	15	8	5	0	0	0	0	
19	Residence	Non-Participating	553488.36	4749190.76	5	9	14	15	8	5	0	0	0	0	
285	Residence	Non-Participating	551076.05	4754225.02	5	9	14	15	8	5	0	0	0	0	
446	Residence	Non-Participating	551698.69	4750089.38	5	9	14	15	8	5	0	0	0	0	
477	Residence	Non-Participating	550857.25	4751368.13	5	9	14	15	8	5	0	0	0	0	
50	Residence	Non-Participating	552030.15	4749782.86	5	8	14	15	8	5	0	0	0	0	
247	Residence	Non-Participating	551360.09	4754701.39	5	8	14	15	8	5	0	0	0	0	
250	Residence	Non-Participating	551359.82	4754678.66	5	8	14	15	8	5	0	0	0	0	
283	Residence	Non-Participating	551159.96	4754397.83	5	8	14	15	8	5	0	0	0	0	
284	Residence	Non-Participating	551130.26	4754363.27	5	8	14	15	8	5	0	0	0	0	
413	Residence	Non-Participating	553366.60	4749180.10	5	8	14	15	8	5	0	0	0	0	
483	Residence	Non-Participating	550669.44	4752004.85	5	8	14	15	8	5	0	0	0	0	
245	Residence	Non-Participating	551389.48	4754763.51	5	8	14	15	8	5	0	0	0	0	
258	Residence	Non-Participating	551287.33	4754643.29	5	8	14	15	8	5	0	0	0	0	
288	Residence	Non-Participating	551265.67	4754590.90	5	8	14	15	8	5	0	0	0	0	
442	Residence	Non-Participating	551984.34	4749770.31	5	8	14	15	8	5	0	0	0	0	
482	Residence	Non-Participating	550699.44	4751654.52	5	8	14	15	8	5	0	0	0	0	
51	Residence	Non-Participating	552019.77	4749712.13	5	8	14	15	8	5	0	0	0	0	
239	Residence	Non-Participating	551438.07	4754841.79	5	8	14	15	8	5	0	0	0	0	
244	Residence	Non-Participating	551351.20	4754765.75	5	8	14	15	8	5	0	0	0	0	
246	Residence	Non-Participating	551347.38	4754747.47	5	8	14	15	8	5	0	0	0	0	
249	Residence	Non-Participating	551314.25	4754709.08	5	8	14	15	8	5	0	0	0	0	
264	Residence	Non-Participating	551288.82	4754671.60	5	8	14	15	8	5	0	0	0	0	
265	Residence	Non-Participating	551273.90	4754673.40	5	8	14	15	8	5	0	0	0	0	
478	Residence	Non-Participating	550757.63	4751376.95	5	8	14	15	8	5	0	0	0	0	
240	Residence	Non-Participating	551391.00	4754852.89	5	8	14	15	8	5	0	0	0	0	
241	Residence	Non-Participating	551367.92	4754811.20	5	8	14	15	8	5	0	0	0	0	
242	Residence	Non-Participating	551376.12	4754827.93	5	8	14	15	8	5	0	0	0	0	
248	Residence	Non-Participating	551306.48	4754738.43	5	8	14	15	8	5	0	0	0	0	
255	Residence	Non-Participating	551273.29	4754710.31	5	8	14	15	8	5	0	0	0	0	
266	Residence	Non-Participating	551263.00	4754674.86	5	8	14	15	8	5	0	0	0	0	
267	Residence	Non-Participating	551249.46	4754684.68	5	8	14	15	8	5	0	0	0	0	
479	Residence	Non-Participating	550696.17	4751558.34	5	8	14	15	8	5	0	0	0	0	
20	Residence	Non-Participating	553397.22	4749063.25	5	8	14	15	8	4	0	0	0	0	
254	Residence	Non-Participating	551298.02	4754777.57	5	8	14	15	8	4	0	0	0	0	
256	Residence	Non-Participating	551268.34	4754731.97	5	8	14	15	8	4	0	0	0	0	
268	Residence	Non-Participating	551221.67	4754666.81	5	8	14	15	8	4	0	0	0	0	
269	Residence	Non-Participating	551217.45	4754690.70	5	8	14	15	8	4	0	0	0	0	
52	Residence	Non-Participating	551922.97	4749679.16	5	8	14	15	7	4	0	0	0	0	
243	Residence	Non-Participating	551350.26	4754867.76	5	8	14	15	8	4	0	0	0	0	
257	Residence	Non-Participating	551247.83	4754748.35	5	8	14	15	8	4	0	0	0	0	
270	Residence	Non-Participating	551210.52	4754698.88	5	8	14	15	8	4	0	0	0	0	
271	Residence	Non-Participating	551201.53	4754704.65	5	8	14	15	7	4	0	0	0	0	
272	Residence	Non-Participating	551217.99	4754730.80	5	8	14	15	7	4	0	0	0	0	
252	Residence	Non-Participating	551284.91	4754847.61	5	8	14	15	7	4	0	0	0	0	
253	Residence	Non-Participating	551283.06	4754818.35	5	8	14	15	7	4	0	0	0	0	
273	Residence	Non-Participating	551157.49	4754658.09	5	8	14	15	7	4	0	0	0	0	
274	Residence	Non-Participating	551191.22	4754708.81	5	8	14	15	7	4	0	0	0	0	
275	Residence	Non-Participating	551203.01	4754740.23	5	8	14	15	7	4	0	0	0	0	
277	Residence	Non-Participating	551173.11	4754718.66	5	8	14	15	7	4	0	0	0	0	
412	Residence	Non-Participating	553104.89	4749100.81	5	8	14	15	7	4	0	0	0	0	
21	Residence	Non-Participating	553377.20	4749005.70	5	8	14	15	7	4	0	0	0	0	
276	Residence	Non-Participating	551187.73	4754744.47	5	8	14	15	7	4	0	0	0	0	
278	Residence	Non-Participating	551208.06	4754769.99	5	8	14	15	7	4	0	0	0	0	
279	Residence	Non-Participating	551233.34	4754806.62	5	8	14	15	7	4	0	0	0	0	

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
280	Residence	Non-Participating	551219.56	4754805.10	5	8	14	15	7	4	0	0	0	0
281	Residence	Non-Participating	551208.89	4754805.01	5	8	14	15	7	4	0	0	0	0
282	Residence	Non-Participating	551196.03	4754804.57	5	8	14	15	7	4	0	0	0	0
406	Residence	Non-Participating	550429.90	4752241.65	5	8	14	15	7	4	0	0	0	0
411	Residence	Non-Participating	553028.58	4749044.41	5	8	14	15	7	4	0	0	0	0
480	Residence	Non-Participating	550539.97	4751547.18	5	8	14	15	7	4	0	0	0	0
259	Residence	Non-Participating	551224.03	4754867.18	4	8	14	15	7	4	0	0	0	0
410	Residence	Non-Participating	552986.65	4749028.41	4	8	14	14	7	4	0	0	0	0
485	Residence	Non-Participating	550406.61	4752193.43	4	8	14	14	7	4	0	0	0	0
409	Residence	Non-Participating	552894.34	4749050.10	4	8	13	14	7	4	0	0	0	0
487	Residence	Non-Participating	550360.85	4752323.22	4	8	13	14	7	4	0	0	0	0
261	Residence	Non-Participating	551213.74	4754907.71	4	8	13	14	7	4	0	0	0	0
262	Residence	Non-Participating	551211.61	4754929.37	4	8	13	14	7	4	0	0	0	0
263	Residence	Non-Participating	551204.30	4754955.64	4	8	13	14	7	4	0	0	0	0
484	Residence	Non-Participating	550340.44	4752119.24	4	8	13	14	7	4	0	0	0	0
441	Residence	Non-Participating	551641.64	4749636.40	4	8	13	14	7	3	0	0	0	0
260	Residence	Non-Participating	551219.49	4754888.07	4	8	13	14	7	3	0	0	0	0
292	Residence	Non-Participating	551081.34	4754943.71	4	8	13	14	7	3	0	0	0	0
291	Residence	Non-Participating	551094.82	4754984.85	4	7	13	14	7	3	0	0	0	0
323	Residence	Non-Participating	551003.16	4754892.98	4	7	13	14	7	3	0	0	0	0
398	Residence	Non-Participating	553288.85	4748783.36	4	7	13	14	7	3	0	0	0	0
54	Residence	Non-Participating	551570.52	4749612.37	4	7	13	14	7	3	0	0	0	0
293	Residence	Non-Participating	551119.58	4755064.45	4	7	13	14	6	3	0	0	0	0
302	Residence	Non-Participating	551050.07	4755000.14	4	7	13	14	6	3	0	0	0	0
481	Residence	Non-Participating	550327.91	4751516.47	4	7	13	14	7	3	0	0	0	0
188	Amish Community	Non-Participating	552549.47	4748962.91	4	7	13	14	6	3	0	0	0	0
304	Residence	Non-Participating	551016.47	4755000.54	4	7	13	14	6	3	0	0	0	0
325	Residence	Non-Participating	550951.68	4754893.97	4	7	13	14	6	3	0	0	0	0
87	Residence	Non-Participating	551079.93	4755089.22	4	7	13	14	6	3	0	0	0	0
300	Residence	Non-Participating	551106.58	4755151.63	4	7	13	14	6	3	0	0	0	0
324	Residence	Non-Participating	550953.63	4754942.08	4	7	13	14	6	3	0	0	0	0
326	Residence	Non-Participating	550932.16	4754901.06	4	7	13	14	6	3	0	0	0	0
328	Residence	Non-Participating	550907.30	4754906.21	4	7	13	14	6	3	0	0	0	0
85	Residence	Non-Participating	551022.13	4755099.20	3	7	13	14	6	3	0	0	0	0
86	Residence	Non-Participating	551046.03	4755096.23	3	7	13	14	6	3	0	0	0	0
140	Residence	Non-Participating	550126.31	4753026.88	3	7	13	14	6	3	0	0	0	0
322	Residence	Non-Participating	550947.14	4754982.12	3	7	13	14	6	3	0	0	0	0
327	Residence	Non-Participating	550924.86	4754940.74	3	7	13	14	6	3	0	0	0	0
329	Residence	Non-Participating	550902.26	4754944.25	3	7	13	14	6	3	0	0	0	0
330	Residence	Non-Participating	550882.99	4754908.86	3	7	13	14	6	3	0	0	0	0
84	Residence	Non-Participating	551002.52	4755101.68	3	7	13	14	6	3	0	0	0	0
305	Residence	Non-Participating	550926.18	4755025.15	3	7	13	14	6	3	0	0	0	0
321	Residence	Non-Participating	550924.17	4754990.22	3	7	13	14	6	3	0	0	0	0
331	Residence	Non-Participating	550877.88	4754951.63	3	7	13	14	6	3	0	0	0	0
332	Residence	Non-Participating	550859.79	4754914.95	3	7	13	14	6	3	0	0	0	0
440	Residence	Non-Participating	551342.64	4749649.80	3	7	13	14	6	3	0	0	0	0
82	Residence	Non-Participating	550961.02	4755113.39	3	7	13	14	6	2	0	0	0	0
83	Residence	Non-Participating	550982.67	4755104.94	3	7	13	14	6	3	0	0	0	0
306	Residence	Non-Participating	550902.21	4755030.21	3	7	13	14	6	2	0	0	0	0
319	Residence	Non-Participating	550875.87	4755000.63	3	7	13	14	6	2	0	0	0	0
320	Residence	Non-Participating	550898.55	4754995.13	3	7	13	14	6	3	0	0	0	0
333	Residence	Non-Participating	550853.17	4754953.37	3	7	13	14	6	3	0	0	0	0
334	Residence	Non-Participating	550836.80	4754918.41	3	7	13	14	6	3	0	0	0	0
335	Residence	Non-Participating	550835.17	4754956.90	3	7	13	14	6	2	0	0	0	0
336	Residence	Non-Participating	550811.53	4754921.81	3	7	13	14	6	2	0	0	0	0
80	Residence	Non-Participating	550930.35	4755119.74	3	7	13	13	6	2	0	0	0	0
81	Residence	Non-Participating	550945.56	4755117.32	3	7	13	14	6	2	0	0	0	0
301	Residence	Non-Participating	551075.32	4755019.57	3	7	13	14	6	2	0	0	0	0
307	Residence	Non-Participating	550864.74	4755035.76	3	7	13	13	6	2	0	0	0	0
318	Residence	Non-Participating	550854.11	4755004.76	3	7	13	14	6	2	0	0	0	0
337	Residence	Non-Participating	550811.03	4754959.46	3	7	13	13	6	2	0	0	0	0
338	Residence	Non-Participating	550788.34	4754927.78	3	7	13	13	6	2	0	0	0	0
79	Residence	Non-Participating	550905.82	4755124.33	3	7	13	13	6	2	0	0	0	0
297	Residence	Non-Participating	551096.47	4755269.48	3	7	13	13	6	2	0	0	0	0
303	Residence	Non-Participating	551089.41	4755015.56	3	7	13	14	6	2	0	0	0	0
308	Residence	Non-Participating	550832.57	4755040.95	3	7	13	13	6	2	0	0	0	0
317	Residence	Non-Participating	550830.46	4755008.57	3	7	13	13	6	2	0	0	0	0
339	Residence	Non-Participating	550782.70	4754966.07	3	7	13	13	6	2	0	0	0	0
77	Residence	Non-Participating	550867.79	4755131.24	3	7	13	13	6	2	0	0	0	0
78	Residence	Non-Participating	550887.58	4755130.01	3	7	13	13	6	2	0	0	0	0
294	Residence	Non-Participating	551106.74	4755029.86	3	7	13	14	6	2	0	0	0	0
309	Residence	Non-Participating	550813.43	4755049.25	3	7	13	13	6	2	0	0	0	0
315	Residence	Non-Participating	550784.14	4755016.18	3	7	13	13	6	2	0	0	0	0
316	Residence	Non-Participating	550805.10	4755013.79	3	7	13	13	6	2	0	0	0	0
340	Residence	Non-Participating	550759.41	4754973.37	3	7	13	13	6	2	0	0	0	0
355	Residence	Non-Participating	550718.13	4754897.82	3	7	13	13	6	2	0	0	0	0
358	Residence	Non-Participating	550721.27	4754938.63	3	7	13	13	6	2	0	0	0	0
397	Residence	Non-Participating	553293.94	4748530.05	3	7	13	13	6	2	0	0	0	0
55	Residence	Non-Participating	551325.67	4749478.65	3	7	13	13	6	2	0	0	0	0
75	Residence	Non-Participating	550845.50	4755140.98	3	7	12	13	6	2	0	0	0	0
310	Residence	Non-Participating	550787.29	4755051.69	3	7	12	13	6	2	0	0	0	0
311	Residence	Non-Participating	550765.69	4755055.14	3	7	12	13	6	2	0	0	0	0
314	Residence	Non-Participating	550761.51	4755020.67	3	7	12	13	6	2	0	0	0	0
354	Residence	Non-Participating	550697.98	4754891.67	3	7	13	13	6	2	0	0	0	0

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq 1-Hour) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
356	Residence	Non-Participating	550674.19	4754922.88	3	7	12	13	6	2	0	0	0	0
357	Residence	Non-Participating	550696.75	4754931.72	3	7	12	13	6	2	0	0	0	0
475	Residence	Non-Participating	550486.99	4750502.42	3	7	12	13	6	2	0	0	0	0
74	Residence	Non-Participating	550813.39	4755146.77	3	7	12	13	6	2	0	0	0	0
76	Residence	Non-Participating	550826.31	4755140.59	3	7	12	13	6	2	0	0	0	0
144	Residence	Non-Participating	549937.57	4753015.22	3	7	12	13	6	2	0	0	0	0
295	Residence	Non-Participating	551102.53	4755012.82	3	7	13	14	6	2	0	0	0	0
312	Residence	Non-Participating	550738.53	4755060.68	3	7	12	13	6	2	0	0	0	0
313	Residence	Non-Participating	550733.66	4755026.08	3	7	12	13	6	2	0	0	0	0
352	Residence	Non-Participating	550651.92	4754918.85	3	7	12	13	6	2	0	0	0	0
363	Residence	Non-Participating	550661.03	4754960.54	3	7	12	13	6	2	0	0	0	0
474	Residence	Non-Participating	550416.04	4750554.30	3	7	12	13	6	2	0	0	0	0
73	Residence	Non-Participating	550789.23	4755146.19	3	7	12	13	6	2	0	0	0	0
166	Residence	Non-Participating	550334.30	4750631.75	3	7	12	13	5	2	0	0	0	0
186	Residence	Non-Participating	552195.89	4748808.52	3	7	12	13	6	2	0	0	0	0
362	Residence	Non-Participating	550635.87	4754950.52	3	7	12	13	6	2	0	0	0	0
347	Residence	Non-Participating	550581.06	4754892.30	3	7	12	13	5	2	0	0	0	0
349	Residence	Non-Participating	550606.38	4754901.75	3	7	12	13	5	2	0	0	0	0
351	Residence	Non-Participating	550629.92	4754910.37	3	7	12	13	5	2	0	0	0	0
360	Residence	Non-Participating	550593.65	4754938.80	3	7	12	13	5	2	0	0	0	0
361	Residence	Non-Participating	550614.53	4754943.30	3	7	12	13	5	2	0	0	0	0
396	Residence	Non-Participating	553375.92	4748408.61	3	7	12	13	5	2	0	0	0	0
72	Residence	Non-Participating	550756.74	4755150.88	2	7	12	13	5	2	0	0	0	0
344	Residence	Non-Participating	550563.03	4754888.12	2	7	12	13	5	2	0	0	0	0
348	Residence	Non-Participating	550627.87	4754866.16	2	7	12	13	5	1	0	0	0	0
350	Residence	Non-Participating	550646.19	4754871.73	2	7	12	13	5	1	0	0	0	0
353	Residence	Non-Participating	550676.03	4754882.55	2	7	12	13	5	1	0	0	0	0
359	Residence	Non-Participating	550569.94	4754927.90	2	7	12	13	5	2	0	0	0	0
364	Residence	Non-Participating	550566.67	4754968.96	2	7	12	13	5	2	0	0	0	0
365	Residence	Non-Participating	550588.92	4754977.80	2	7	12	13	5	2	0	0	0	0
71	Residence	Non-Participating	550727.44	4755152.85	2	7	12	13	5	1	0	0	0	0
343	Residence	Non-Participating	550537.49	4754880.60	2	7	12	13	5	1	0	0	0	0
346	Residence	Non-Participating	550606.18	4754858.64	2	7	12	13	5	1	0	0	0	0
395	Residence	Non-Participating	553233.41	4748367.33	2	7	12	13	5	1	0	0	0	0
145	Residence	Non-Participating	549792.45	4752980.70	2	7	12	13	5	1	0	0	0	0
394	Residence	Non-Participating	553410.52	4748301.00	2	6	12	13	5	1	0	0	0	0
298	Residence	Non-Participating	551074.12	4755266.33	2	7	12	13	5	1	0	0	0	0
70	Residence	Non-Participating	550683.80	4755149.29	2	7	12	13	5	1	0	0	0	0
185	Residence	Non-Participating	551698.28	4748882.11	2	6	12	13	5	1	0	0	0	0
490	Residence	Non-Participating	549715.75	4753011.53	2	6	12	13	5	1	0	0	0	0
161	Residence	Non-Participating	549887.58	4751157.10	2	6	12	13	5	1	0	0	0	0
393	Residence	Non-Participating	551158.81	4749264.64	2	6	12	13	5	1	0	0	0	0
289	Residence	Non-Participating	551143.38	4755018.89	2	7	13	13	5	0	0	0	0	0
345	Residence	Non-Participating	550581.18	4754849.29	2	7	12	13	5	1	0	0	0	0
299	Residence	Non-Participating	551054.17	4755262.67	2	7	12	13	5	0	0	0	0	0
342	Residence	Non-Participating	550559.36	4754845.37	2	7	12	13	5	0	0	0	0	0
165	Residence	Non-Participating	550125.18	4750414.06	2	6	12	12	5	1	0	0	0	0
491	Residence	Non-Participating	549604.03	4752964.13	2	6	12	12	5	1	0	0	0	0
164	Residence	Non-Participating	550048.38	4750362.15	1	6	12	12	4	0	0	0	0	0
163	Residence	Non-Participating	550017.12	4750343.09	1	6	11	12	4	0	0	0	0	0
341	Residence	Non-Participating	550536.56	4754834.20	1	7	12	12	4	0	0	0	0	0
184	Residence	Non-Participating	551465.05	4748613.11	1	6	11	12	4	0	0	0	0	0
407	Residence	Non-Participating	551434.85	4748588.34	1	6	11	12	4	0	0	0	0	0
408	Residence	Non-Participating	551509.51	4748562.13	1	6	11	12	4	0	0	0	0	0
290	Residence	Non-Participating	551132.67	4754986.85	0	7	12	12	3	0	0	0	0	0
391	Residence	Non-Participating	549249.43	4751270.26	0	5	11	11	3	0	0	0	0	0
146	Residence	Non-Participating	548925.79	4752928.90	0	5	10	11	3	0	0	0	0	0
147	Residence	Non-Participating	548899.59	4752791.17	0	5	10	11	3	0	0	0	0	0
148	Residence	Non-Participating	548785.85	4752908.45	0	5	10	11	2	0	0	0	0	0
149	Residence	Non-Participating	548807.21	4752763.77	0	5	10	11	2	0	0	0	0	0
150	Residence	Non-Participating	548742.97	4752817.99	0	5	10	11	2	0	0	0	0	0
152	Residence	Non-Participating	548540.09	4752729.82	0	4	10	10	2	0	0	0	0	0
153	Residence	Non-Participating	548305.59	4752486.76	0	4	9	10	1	0	0	0	0	0
154	Residence	Non-Participating	548372.15	4752625.68	0	4	9	10	1	0	0	0	0	0
155	Residence	Non-Participating	548235.16	4752606.02	0	4	9	10	1	0	0	0	0	0
156	Residence	Non-Participating	548616.62	4751780.44	0	4	10	10	2	0	0	0	0	0
157	Residence	Non-Participating	548766.50	4751614.71	0	5	10	10	2	0	0	0	0	0
158	Residence	Non-Participating	548779.30	4751673.55	0	5	10	11	2	0	0	0	0	0
159	Residence	Non-Participating	548794.10	4751593.02	0	5	10	11	2	0	0	0	0	0
160	Residence	Non-Participating	548931.22	4751579.56	0	5	10	11	3	0	0	0	0	0
171	Residence	Non-Participating	548083.96	4753456.92	0	3	9	9	0	0	0	0	0	0
172	Residence	Non-Participating	547820.51	4753402.32	0	3	9	9	0	0	0	0	0	0
173	Residence	Non-Participating	547630.79	4753038.28	0	3	8	8	0	0	0	0	0	0
174	Residence	Non-Participating	548891.36	4752672.09	0	5	10	11	3	0	0	0	0	0
175	Residence	Non-Participating	548949.46	4752587.07	0	5	11	11	3	0	0	0	0	0
176	Residence	Non-Participating	549473.90	4750142.19	0	5	10	11	3	0	0	0	0	0
177	Residence	Non-Participating	549364.11	4750218.78	0	5	10	11	2	0	0	0	0	0
178	Residence	Non-Participating	549374.39	4750383.39	0	5	10	11	3	0	0	0	0	0
179	Residence	Non-Participating	549497.53	4750426.70	0	5	11	11	3	0	0	0	0	0
180	Residence	Non-Participating	549553.23	4750231.76	0	5	11	11	3	0	0	0	0	0
181	Residence	Non-Participating	549590.49	4750003.25	0	5	10	11	3	0	0	0	0	0
367	Residence	Non-Participating	550163.82	4755713.22	0	5	11	11	3	0	0	0	0	0
370	Residence	Non-Participating	549894.89	4755626.38	0	5	10	11	3	0	0	0	0	0
371	Residence	Non-Participating	549908.67	4755667.97	0	5	10	11	3	0	0	0	0	0

Table 7-5.2b: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
372	Residence	Non-Participating	549865.81	4755607.45	0	5	10	11	3	0	0	0	0	0	
373	Residence	Non-Participating	549852.45	4755533.47	0	5	10	11	3	0	0	0	0	0	
374	Residence	Non-Participating	549774.54	4755556.47	0	5	10	11	2	0	0	0	0	0	
376	Residence	Non-Participating	549526.20	4755402.39	0	5	10	11	2	0	0	0	0	0	
377	Residence	Non-Participating	549490.82	4755370.60	0	5	10	10	2	0	0	0	0	0	
378	Residence	Non-Participating	549348.85	4755236.33	0	4	10	10	2	0	0	0	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	0	4	10	10	1	0	0	0	0	0	
380	Residence	Non-Participating	549233.49	4754417.60	0	5	10	10	1	0	0	0	0	0	
381	Residence	Non-Participating	548351.04	4754688.66	0	3	9	9	0	0	0	0	0	0	
382	Residence	Non-Participating	548524.96	4754025.22	0	4	9	9	1	0	0	0	0	0	
383	Residence	Non-Participating	548435.67	4753966.26	0	4	9	10	1	0	0	0	0	0	
384	Residence	Non-Participating	548388.96	4753886.51	0	4	9	9	1	0	0	0	0	0	
385	Residence	Non-Participating	547889.56	4754422.75	0	3	8	8	0	0	0	0	0	0	
386	Residence	Non-Participating	547594.46	4754197.17	0	3	8	8	0	0	0	0	0	0	
387	Residence	Non-Participating	547653.89	4754252.46	0	3	8	8	0	0	0	0	0	0	
388	Residence	Non-Participating	547726.87	4754321.39	0	3	8	8	0	0	0	0	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	0	5	11	11	3	0	0	0	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	0	5	10	11	3	0	0	0	0	0	
488	Residence	Non-Participating	548909.80	4752806.39	0	5	10	11	3	0	0	0	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	0	5	10	11	3	0	0	0	0	0	
497	Residence	Non-Participating	548989.32	4753277.25	0	5	10	11	3	0	0	0	0	0	
498	Residence	Non-Participating	549058.44	4753446.84	0	5	11	11	3	0	0	0	0	0	
502	Residence	Non-Participating	548729.84	4754058.42	0	4	10	10	2	0	0	0	0	0	
504	Residence	Non-Participating	550230.99	4755026.90	0	5	10	9	0	0	0	0	0	0	
514	Residence	Non-Participating	549153.02	4751377.72	0	5	11	11	3	0	0	0	0	0	
515	Residence	Non-Participating	548917.85	4751629.91	0	5	10	11	2	0	0	0	0	0	
516	Residence	Non-Participating	549152.91	4751526.35	0	5	11	11	3	0	0	0	0	0	
517	Residence	Non-Participating	549314.70	4755280.09	0	4	10	10	2	0	0	0	0	0	
518	Residence	Non-Participating	549706.22	4755534.47	0	5	10	11	2	0	0	0	0	0	
519	Residence	Non-Participating	549942.05	4755557.33	0	5	11	11	3	0	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
465	Residence	Non-Participating	554013.92	4752018.30	32	35	41	37	30	32	27	19	2	0	
519	Residence	Non-Participating	549942.05	4755557.33	0	5	11	11	3	0	0	0	0	0	

Table 7-5.2c: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
402	Residence	Participating	551816.43	4750688.41	8	10	16	17	10	7	0	0	0	0
404	Residence	Participating	552272.81	4750939.93	10	12	17	19	12	10	0	0	0	0
405	Residence	Participating	552306.65	4750924.69	10	12	17	19	12	10	0	0	0	0
434	Residence	Participating	554212.78	4750775.20	19	25	31	24	18	19	12	0	0	0
449	Residence	Participating	553079.40	4750666.11	17	23	29	23	17	17	9	0	0	0
450	Residence	Participating	551476.72	4750389.70	6	9	14	15	8	5	0	0	0	0
453	Residence	Participating	551744.00	4750692.59	7	10	15	17	10	7	0	0	0	0
454	Residence	Participating	552354.86	4751031.09	11	12	18	19	13	11	1	0	0	0
486	Residence	Participating	550484.39	4752255.30	5	8	14	15	7	4	0	0	0	0
492	Residence	Participating	549504.02	4752997.19	1	6	12	12	4	0	0	0	0	0
493	Residence	Participating	549303.28	4753118.73	1	6	11	12	4	0	0	0	0	0
494	Residence	Participating	549241.92	4753172.52	1	5	11	12	4	0	0	0	0	0
495	Residence	Participating	549193.02	4753249.76	0	5	11	11	3	0	0	0	0	0
496	Residence	Participating	549134.52	4753310.51	0	5	11	11	3	0	0	0	0	0
499	Residence	Participating	549175.28	4753516.36	0	5	11	11	3	0	0	0	0	0
500	Residence	Participating	548993.19	4753649.69	0	5	10	11	3	0	0	0	0	0
501	Residence	Participating	548858.08	4754014.00	0	4	10	10	2	0	0	0	0	0
503	Residence	Participating	550086.61	4754906.49	1	6	11	12	4	0	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
434	Residence	Participating	554212.78	4750775.20	19	25	31	24	18	19	12	0	0	0
501	Residence	Participating	548858.08	4754014.00	0	4	10	10	2	0	0	0	0	0

Table 7-5.2d: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
434	Residence	Participating	554212.78	4750775.20	19	25	31	24	18	19	12	0	0	0
449	Residence	Participating	553079.40	4750666.11	17	23	29	23	17	17	9	0	0	0
454	Residence	Participating	552354.86	4751031.09	11	12	18	19	13	11	1	0	0	0
405	Residence	Participating	552306.65	4750924.69	10	12	17	19	12	10	0	0	0	0
404	Residence	Participating	552272.81	4750939.93	10	12	17	19	12	10	0	0	0	0
402	Residence	Participating	551816.43	4750688.41	8	10	16	17	10	7	0	0	0	0
453	Residence	Participating	551744.00	4750692.59	7	10	15	17	10	7	0	0	0	0
450	Residence	Participating	551476.72	4750389.70	6	9	14	15	8	5	0	0	0	0
486	Residence	Participating	550484.39	4752255.30	5	8	14	15	7	4	0	0	0	0
492	Residence	Participating	549504.02	4752997.19	1	6	12	12	4	0	0	0	0	0
503	Residence	Participating	550086.61	4754906.49	1	6	11	12	4	0	0	0	0	0
493	Residence	Participating	549303.28	4753118.73	1	6	11	12	4	0	0	0	0	0
494	Residence	Participating	549241.92	4753172.52	1	5	11	12	4	0	0	0	0	0
495	Residence	Participating	549193.02	4753249.76	0	5	11	11	3	0	0	0	0	0
499	Residence	Participating	549175.28	4753516.36	0	5	11	11	3	0	0	0	0	0
496	Residence	Participating	549134.52	4753310.51	0	5	11	11	3	0	0	0	0	0
500	Residence	Participating	548993.19	4753649.69	0	5	10	11	3	0	0	0	0	0
501	Residence	Participating	548858.08	4754014.00	0	4	10	10	2	0	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
434	Residence	Participating	554212.78	4750775.20	19	25	31	24	18	19	12	0	0	0
501	Residence	Participating	548858.08	4754014.00	0	4	10	10	2	0	0	0	0	0

Table 7-5.2e: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
1	Cemetery	Non-Participating	552496.97	4754230.50	11	12	18	19	13	11	1	0	0	0
22	Cemetery	Non-Participating	553369.86	4748896.88	4	8	13	14	7	4	0	0	0	0
45	Farm	Non-Participating	554456.12	4749508.64	7	9	15	16	9	7	0	0	0	0
61	Farm	Non-Participating	555399.90	4749709.22	7	9	15	16	9	6	0	0	0	0
63	Farm	Non-Participating	554954.65	4750006.39	9	11	16	18	11	8	0	0	0	0
69	Barn	Non-Participating	550513.30	4755112.51	2	6	12	13	5	1	0	0	0	0
89	Cemetery	Non-Participating	551050.86	4754825.13	4	8	13	14	7	4	0	0	0	0
93	Farm	Non-Participating	551943.32	4753242.16	11	12	18	19	13	11	2	0	0	0
136	Farm	Non-Participating	551693.65	4752961.04	10	12	17	19	12	10	0	0	0	0
142	Farm	Non-Participating	550318.87	4753045.87	9	18	24	17	10	9	0	0	0	0
162	Farm	Non-Participating	549653.65	4750273.39	0	5	11	11	3	0	0	0	0	0
167	Public Trail	Non-Participating	551661.37	4754929.10	6	9	14	15	8	5	0	0	0	0
182	Farm	Non-Participating	550310.92	4749581.23	1	6	11	12	4	0	0	0	0	0
183	Farm	Non-Participating	550953.76	4749569.39	2	6	12	13	5	1	0	0	0	0
189	Cemetery	Non-Participating	553034.77	4749102.48	5	8	14	15	7	4	0	0	0	0
211	Farm	Non-Participating	554844.09	4753602.43	17	17	23	24	19	17	9	0	0	0
218	Farm	Non-Participating	553643.07	4754502.85	10	13	19	20	13	10	0	0	0	0
286	Farm	Non-Participating	551036.63	4754190.23	5	8	14	15	8	5	0	0	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	0	5	10	10	2	0	0	0	0	0
392	Farm	Non-Participating	549107.90	4751317.71	0	5	11	11	3	0	0	0	0	0
520	Public Trail	Non-Participating	553793.34	4754317.37	12	14	20	21	15	12	2	0	0	0
Summary of Maximum and Minimum Sound Levels														
211	Farm	Non-Participating	554844.09	4753602.43	17	17	23	24	19	17	9	0	0	0
375	Historic Site	Non-Participating	549540.03	4755454.87	0	5	10	10	2	0	0	0	0	0

Table 7-5.2f: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
211	Farm	Non-Participating	554844.09	4753602.43	17	17	23	24	19	17	9	0	0	0	
520	Public Trail	Non-Participating	553793.34	4754317.37	12	14	20	21	15	12	2	0	0	0	
93	Farm	Non-Participating	551943.32	4753242.16	11	12	18	19	13	11	2	0	0	0	
1	Cemetery	Non-Participating	552496.97	4754230.50	11	12	18	19	13	11	1	0	0	0	
218	Farm	Non-Participating	553643.07	4754502.85	10	13	19	20	13	10	0	0	0	0	
136	Farm	Non-Participating	551693.65	4752961.04	10	12	17	19	12	10	0	0	0	0	
142	Farm	Non-Participating	550318.87	4753045.87	9	18	24	17	10	9	0	0	0	0	
63	Farm	Non-Participating	554954.65	4750006.39	9	11	16	18	11	8	0	0	0	0	
45	Farm	Non-Participating	554456.12	4749508.64	7	9	15	16	9	7	0	0	0	0	
61	Farm	Non-Participating	555399.90	4749709.22	7	9	15	16	9	6	0	0	0	0	
167	Public Trail	Non-Participating	551661.37	4754929.10	6	9	14	15	8	5	0	0	0	0	
286	Farm	Non-Participating	551036.63	4754190.23	5	8	14	15	8	5	0	0	0	0	
189	Cemetery	Non-Participating	553034.77	4749102.48	5	8	14	15	7	4	0	0	0	0	
22	Cemetery	Non-Participating	553369.86	4748896.88	4	8	13	14	7	4	0	0	0	0	
89	Cemetery	Non-Participating	551050.86	4754825.13	4	8	13	14	7	4	0	0	0	0	
183	Farm	Non-Participating	550953.76	4749569.39	2	6	12	13	5	1	0	0	0	0	
69	Barn	Non-Participating	550513.30	4755112.51	2	6	12	13	5	1	0	0	0	0	
182	Farm	Non-Participating	550310.92	4749581.23	1	6	11	12	4	0	0	0	0	0	
162	Farm	Non-Participating	549653.65	4750273.39	0	5	11	11	3	0	0	0	0	0	
392	Farm	Non-Participating	549107.90	4751317.71	0	5	11	11	3	0	0	0	0	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	0	5	10	10	2	0	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
211	Farm	Non-Participating	554844.09	4753602.43	17	17	23	24	19	17	9	0	0	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	0	5	10	10	2	0	0	0	0	0	

Table 7-5.2g: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
64	Farm	Participating	555379.74	4750514.35	10	11	17	19	12	10	0	0	0	0
91	Farm	Participating	552295.34	4751058.50	11	12	18	19	13	11	1	0	0	0
101	Park	Participating	548640.78	4753686.91	0	4	10	10	2	0	0	0	0	0
513	Farm	Participating	555300.86	4750510.05	10	12	17	19	12	10	0	0	0	0
Summary of Maximum and Minimum Sound Levels														
91	Farm	Participating	552295.34	4751058.50	11	12	18	19	13	11	1	0	0	0
101	Park	Participating	548640.78	4753686.91	0	4	10	10	2	0	0	0	0	0

Table 7-5.2h: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
91	Farm	Participating	552295.34	4751058.50	11	12	18	19	13	11	1	0	0	0	
513	Farm	Participating	555300.86	4750510.05	10	12	17	19	12	10	0	0	0	0	
64	Farm	Participating	555379.74	4750514.35	10	11	17	19	12	10	0	0	0	0	
101	Park	Participating	548640.78	4753686.91	0	4	10	10	2	0	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
91	Farm	Participating	552295.34	4751058.50	11	12	18	19	13	11	1	0	0	0	
101	Park	Participating	548640.78	4753686.91	0	4	10	10	2	0	0	0	0	0	

Table 7-5.2i: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID (Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
2	Government Building	Non-Participating	552766.10	4754149.15	12	13	19	20	14	12	3	0	0	0	
3	Business	Non-Participating	553514.16	4749391.79	6	9	15	16	9	6	0	0	0	0	
4	Business	Non-Participating	553050.09	4754176.65	13	14	19	21	15	13	4	0	0	0	
5	Business	Non-Participating	553263.69	4754103.52	14	14	20	22	16	14	5	0	0	0	
6	Business	Non-Participating	553550.77	4753756.03	17	17	23	24	19	17	9	0	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	18	17	23	25	19	18	10	0	0	0	
8	Business	Non-Participating	553774.59	4749663.57	8	10	16	17	10	7	0	0	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	7	9	15	16	9	7	0	0	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	6	9	14	15	8	5	0	0	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	6	9	15	16	9	6	0	0	0	0	
31	Church	Non-Participating	553747.94	4749370.05	6	9	15	16	9	6	0	0	0	0	
53	Business	Non-Participating	551396.02	4749658.96	4	7	13	14	6	3	0	0	0	0	
67	Business	Non-Participating	555301.38	4750106.85	8	10	16	17	11	8	0	0	0	0	
88	Business	Non-Participating	551120.38	4755080.65	4	7	13	14	6	3	0	0	0	0	
97	Business	Non-Participating	551939.15	4752867.89	11	13	18	20	13	12	2	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	0	5	10	11	2	0	0	0	0	0	
187	Business	Non-Participating	552537.70	4748887.86	3	7	13	14	6	3	0	0	0	0	
209	Business	Non-Participating	554962.37	4753596.45	17	16	22	24	18	17	8	0	0	0	
212	Police Station	Non-Participating	554495.79	4753677.62	18	18	23	25	19	18	10	0	0	0	
227	Business	Non-Participating	553204.51	4754847.32	10	11	17	18	12	10	0	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	10	11	17	18	12	10	0	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	3	7	13	13	6	2	0	0	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	1	6	12	12	4	0	0	0	0	0	
368	Business	Non-Participating	550121.24	4755655.30	0	5	11	11	3	0	0	0	0	0	
369	Business	Non-Participating	550068.27	4755623.44	0	5	11	11	3	0	0	0	0	0	
505	Business	Non-Participating	553201.09	4754131.71	14	14	20	21	15	14	5	0	0	0	
Summary of Maximum and Minimum Sound Levels															
212	Police Station	Non-Participating	554495.79	4753677.62	18	18	23	25	19	18	10	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	0	5	10	11	2	0	0	0	0	0	

Table 7-5.2j: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
212	Police Station	Non-Participating	554495.79	4753677.62	18	18	23	25	19	18	10	0	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	18	17	23	25	19	18	10	0	0	0	
6	Business	Non-Participating	553550.77	4753756.03	17	17	23	24	19	17	9	0	0	0	
209	Business	Non-Participating	554962.37	4753596.45	17	16	22	24	18	17	8	0	0	0	
5	Business	Non-Participating	553263.69	4754103.52	14	14	20	22	16	14	5	0	0	0	
505	Business	Non-Participating	553201.09	4754131.71	14	14	20	21	15	14	5	0	0	0	
4	Business	Non-Participating	553050.09	4754176.65	13	14	19	21	15	13	4	0	0	0	
2	Government Building	Non-Participating	552766.10	4754149.15	12	13	19	20	14	12	3	0	0	0	
97	Business	Non-Participating	551939.15	4752867.89	11	13	18	20	13	12	2	0	0	0	
227	Business	Non-Participating	553204.51	4754847.32	10	11	17	18	12	10	0	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	10	11	17	18	12	10	0	0	0	0	
67	Business	Non-Participating	555301.38	4750106.85	8	10	16	17	11	8	0	0	0	0	
8	Business	Non-Participating	553774.59	4749663.57	8	10	16	17	10	7	0	0	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	7	9	15	16	9	7	0	0	0	0	
31	Church	Non-Participating	553747.94	4749370.05	6	9	15	16	9	6	0	0	0	0	
3	Business	Non-Participating	553514.16	4749391.79	6	9	15	16	9	6	0	0	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	6	9	15	16	9	6	0	0	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	6	9	14	15	8	5	0	0	0	0	
88	Business	Non-Participating	551120.38	4755080.65	4	7	13	14	6	3	0	0	0	0	
53	Business	Non-Participating	551396.02	4749658.96	4	7	13	14	6	3	0	0	0	0	
187	Business	Non-Participating	552537.70	4748887.86	3	7	13	14	6	3	0	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	3	7	13	13	6	2	0	0	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	1	6	12	12	4	0	0	0	0	0	
368	Business	Non-Participating	550121.24	4755655.30	0	5	11	11	3	0	0	0	0	0	
369	Business	Non-Participating	550068.27	4755623.44	0	5	11	11	3	0	0	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	0	5	10	11	2	0	0	0	0	0	
Summary of Maximum and Minimum Sound Levels															
212	Police Station	Non-Participating	554495.79	4753677.62	18	18	23	25	19	18	10	0	0	0	
151	Business	Non-Participating	548718.98	4752735.02	0	5	10	11	2	0	0	0	0	0	

Table 7-5.2k: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Parti

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			X (m)	Y (m)		31.5	63	125	250	500	1000	2000	4000	8000	
			90	Business		Participating	552504.85	4751087.77	12	13	18	20	13	12	2
Summary of Maximum and Minimum Sound Levels															
90	Business	Participating	552504.85	4751087.77	12	13	18	20	13	12	2	0	0	0	
90	Business	Participating	552504.85	4751087.77	12	13	18	20	13	12	2	0	0	0	

Table 7-5.2I: Mitigated Collector Substation Sound Level Modeling Results (Leq (1-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Parti

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Substation Only Maximum 1-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			X (m)	Y (m)		31.5	63	125	250	500	1000	2000	4000	8000	
			90	Business		Participating	552504.85	4751087.77	12	13	18	20	13	12	2
Summary of Maximum and Minimum Sound Levels															
90	Business	Participating	552504.85	4751087.77	12	13	18	20	13	12	2	0	0	0	
90	Business	Participating	552504.85	4751087.77	12	13	18	20	13	12	2	0	0	0	