

Appendix D

Cumulative Shadow Flicker Modeling Results

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1	Year-Round Residence	Non-Participating	325840.23	321460.84	0:00	0	0:00	0	0:00	0
2	Year-Round Residence	Non-Participating	325754.47	321507.92	0:00	0	0:00	0	0:00	0
3	Year-Round Residence	Non-Participating	325773.13	321554.04	0:00	0	0:00	0	0:00	0
4	Year-Round Residence	Non-Participating	325850.26	321518.33	0:00	0	0:00	0	0:00	0
5	Year-Round Residence	Non-Participating	325787.58	321592.73	0:00	0	0:00	0	0:00	0
6	Year-Round Residence	Non-Participating	325858.58	321556.18	0:00	0	0:00	0	0:00	0
7	Year-Round Residence	Non-Participating	325791.13	321644.33	0:00	0	0:00	0	0:00	0
8	Year-Round Residence	Non-Participating	325882.95	321657.48	0:00	0	0:00	0	0:00	0
9	Year-Round Residence	Non-Participating	325793.62	321691.48	0:00	0	0:00	0	0:00	0
10	Year-Round Residence	Non-Participating	325877.89	321704.54	0:00	0	0:00	0	0:00	0
11	Year-Round Residence	Non-Participating	325847.64	321863.82	0:00	0	0:00	0	0:00	0
12	Year-Round Residence	Non-Participating	325851.42	321801.66	0:00	0	0:00	0	0:00	0
13	Year-Round Residence	Non-Participating	325790.73	321841.34	0:00	0	0:00	0	0:00	0
14	Year-Round Residence	Non-Participating	325780.07	321788.11	0:00	0	0:00	0	0:00	0
15	Year-Round Residence	Non-Participating	325640.85	321775.66	0:00	0	0:00	0	0:00	0
16	Year-Round Residence	Non-Participating	325636.37	321819.21	0:00	0	0:00	0	0:00	0
17	Year-Round Residence	Non-Participating	325637.21	321903.43	0:00	0	0:00	0	0:00	0
18	Year-Round Residence	Non-Participating	325704.43	321882.47	0:00	0	0:00	0	0:00	0
19	Year-Round Residence	Non-Participating	325613.58	321953.56	0:00	0	0:00	0	0:00	0
20	Year-Round Residence	Non-Participating	325707.94	321947.63	0:00	0	0:00	0	0:00	0
21	Year-Round Residence	Non-Participating	325721.23	322023.73	0:00	0	0:00	0	0:00	0
22	Year-Round Residence	Non-Participating	325727.19	322101.93	0:00	0	0:00	0	0:00	0
23	Year-Round Residence	Non-Participating	325773.25	322129.89	0:00	0	0:00	0	0:00	0
24	Year-Round Residence	Non-Participating	325778.46	322081.10	0:00	0	0:00	0	0:00	0
25	Year-Round Residence	Non-Participating	325779.27	322052.74	0:00	0	0:00	0	0:00	0
26	Year-Round Residence	Non-Participating	325782.01	322010.36	0:00	0	0:00	0	0:00	0
27	Year-Round Residence	Non-Participating	325591.17	322111.22	0:00	0	0:00	0	0:00	0
28	Year-Round Residence	Non-Participating	325563.80	322171.01	0:00	0	0:00	0	0:00	0
29	Year-Round Residence	Non-Participating	325745.99	322175.13	0:00	0	0:00	0	0:00	0
30	Year-Round Residence	Non-Participating	325836.88	322187.94	0:00	0	0:00	0	0:00	0
31	Year-Round Residence	Non-Participating	325863.10	322130.59	0:00	0	0:00	0	0:00	0
32	Year-Round Residence	Non-Participating	325881.08	322045.14	0:00	0	0:00	0	0:00	0
33	Year-Round Residence	Non-Participating	325941.38	322140.98	0:00	0	0:00	0	0:00	0
34	Year-Round Residence	Non-Participating	325981.28	322146.33	0:00	0	0:00	0	0:00	0
35	Year-Round Residence	Non-Participating	326022.01	322147.17	0:00	0	0:00	0	0:00	0
36	Year-Round Residence	Non-Participating	326026.29	322059.61	0:00	0	0:00	0	0:00	0
37	Year-Round Residence	Non-Participating	326026.98	322021.16	0:00	0	0:00	0	0:00	0
38	Year-Round Residence	Non-Participating	326084.58	321982.60	0:00	0	0:00	0	0:00	0
39	Year-Round Residence	Non-Participating	326077.80	322025.57	0:00	0	0:00	0	0:00	0
40	Year-Round Residence	Non-Participating	326082.63	322074.42	0:00	0	0:00	0	0:00	0
41	Year-Round Residence	Non-Participating	326023.60	322102.89	0:00	0	0:00	0	0:00	0
42	Year-Round Residence	Non-Participating	326068.32	322158.70	0:00	0	0:00	0	0:00	0
43	Year-Round Residence	Non-Participating	325979.48	322191.19	0:00	0	0:00	0	0:00	0
44	Year-Round Residence	Non-Participating	325946.34	322191.13	0:00	0	0:00	0	0:00	0
45	Year-Round Residence	Non-Participating	325947.77	321421.23	0:00	0	0:00	0	0:00	0
46	Year-Round Residence	Non-Participating	326213.99	322125.65	0:00	0	0:00	0	0:00	0
47	Year-Round Residence	Non-Participating	326197.40	322181.67	0:00	0	0:00	0	0:00	0
48	Year-Round Residence	Non-Participating	326173.76	322218.06	0:00	0	0:00	0	0:00	0
49	Year-Round Residence	Non-Participating	326151.94	322249.53	0:00	0	0:00	0	0:00	0
50	Year-Round Residence	Non-Participating	326123.63	322274.56	0:00	0	0:00	0	0:00	0
51	Year-Round Residence	Non-Participating	326082.28	322306.20	0:00	0	0:00	0	0:00	0
52	Year-Round Residence	Non-Participating	326037.96	322338.50	0:00	0	0:00	0	0:00	0
53	Year-Round Residence	Non-Participating	325987.99	322331.51	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
54	Year-Round Residence	Non-Participating	325985.59	322296.49	0:00	0	0:00	0	0:00	0
55	Year-Round Residence	Non-Participating	325939.18	322348.81	0:00	0	0:00	0	0:00	0
56	Year-Round Residence	Non-Participating	325897.37	322363.57	0:00	0	0:00	0	0:00	0
57	Year-Round Residence	Non-Participating	325866.71	322380.49	0:00	0	0:00	0	0:00	0
58	Year-Round Residence	Non-Participating	325829.44	322403.08	0:00	0	0:00	0	0:00	0
59	Year-Round Residence	Non-Participating	325778.09	322332.39	0:00	0	0:00	0	0:00	0
60	Year-Round Residence	Non-Participating	325486.42	322292.36	0:00	0	0:00	0	0:00	0
61	Year-Round Residence	Non-Participating	325428.67	322164.74	0:00	0	0:00	0	0:00	0
62	Year-Round Residence	Non-Participating	325277.25	322199.50	0:00	0	0:00	0	0:00	0
63	Year-Round Residence	Non-Participating	325378.12	322262.74	0:00	0	0:00	0	0:00	0
64	Year-Round Residence	Non-Participating	326105.29	322385.39	0:00	0	0:00	0	0:00	0
65	Year-Round Residence	Non-Participating	326120.83	322384.71	0:00	0	0:00	0	0:00	0
66	Year-Round Residence	Non-Participating	326146.44	322374.59	0:00	0	0:00	0	0:00	0
67	Year-Round Residence	Non-Participating	326163.79	322374.25	0:00	0	0:00	0	0:00	0
68	Year-Round Residence	Non-Participating	326189.85	322371.42	0:00	0	0:00	0	0:00	0
69	Year-Round Residence	Non-Participating	326227.52	322364.74	0:00	0	0:00	0	0:00	0
70	Year-Round Residence	Non-Participating	326258.55	322365.89	0:00	0	0:00	0	0:00	0
71	Year-Round Residence	Non-Participating	326274.10	322366.04	0:00	0	0:00	0	0:00	0
72	Year-Round Residence	Non-Participating	326289.72	322363.96	0:00	0	0:00	0	0:00	0
73	Year-Round Residence	Non-Participating	326324.44	322357.26	0:00	0	0:00	0	0:00	0
74	Year-Round Residence	Non-Participating	326340.61	322356.42	0:00	0	0:00	0	0:00	0
75	Year-Round Residence	Non-Participating	326447.94	322350.46	0:00	0	0:00	0	0:00	0
76	Year-Round Residence	Non-Participating	326434.67	322307.60	0:00	0	0:00	0	0:00	0
77	Year-Round Residence	Non-Participating	326433.90	322272.44	0:00	0	0:00	0	0:00	0
78	Year-Round Residence	Non-Participating	326467.63	322276.77	0:00	0	0:00	0	0:00	0
79	Year-Round Residence	Non-Participating	326464.91	322261.83	0:00	0	0:00	0	0:00	0
80	Year-Round Residence	Non-Participating	326460.67	322242.56	0:00	0	0:00	0	0:00	0
81	Year-Round Residence	Non-Participating	326456.49	322225.21	0:00	0	0:00	0	0:00	0
82	Year-Round Residence	Non-Participating	326422.04	322244.97	0:00	0	0:00	0	0:00	0
83	Year-Round Residence	Non-Participating	326456.47	322199.61	0:00	0	0:00	0	0:00	0
84	Year-Round Residence	Non-Participating	326426.47	322156.51	0:00	0	0:00	0	0:00	0
85	Year-Round Residence	Non-Participating	326455.56	322162.38	0:00	0	0:00	0	0:00	0
86	Year-Round Residence	Non-Participating	326474.82	322156.62	0:00	0	0:00	0	0:00	0
87	Year-Round Residence	Non-Participating	326473.89	322115.97	0:00	0	0:00	0	0:00	0
88	Year-Round Residence	Non-Participating	326494.70	322112.35	0:00	0	0:00	0	0:00	0
89	Year-Round Residence	Non-Participating	326521.89	322144.46	0:00	0	0:00	0	0:00	0
90	Year-Round Residence	Non-Participating	326525.65	322104.25	0:00	0	0:00	0	0:00	0
91	Year-Round Residence	Non-Participating	326559.22	322146.14	0:00	0	0:00	0	0:00	0
92	Year-Round Residence	Non-Participating	326560.55	322091.34	0:00	0	0:00	0	0:00	0
93	Year-Round Residence	Non-Participating	326565.70	322063.03	0:00	0	0:00	0	0:00	0
94	Year-Round Residence	Non-Participating	326577.01	322030.21	0:00	0	0:00	0	0:00	0
95	Year-Round Residence	Non-Participating	326586.64	321981.91	0:00	0	0:00	0	0:00	0
96	Year-Round Residence	Non-Participating	326621.58	322088.64	0:00	0	0:00	0	0:00	0
97	Year-Round Residence	Non-Participating	326623.57	322067.67	0:00	0	0:00	0	0:00	0
98	Year-Round Residence	Non-Participating	326453.54	322029.49	0:00	0	0:00	0	0:00	0
99	Year-Round Residence	Non-Participating	326476.38	322069.06	0:00	0	0:00	0	0:00	0
100	Year-Round Residence	Non-Participating	326356.15	321103.43	0:00	0	0:00	0	0:00	0
101	Year-Round Residence	Non-Participating	326204.28	321144.93	0:00	0	0:00	0	0:00	0
102	Year-Round Residence	Non-Participating	326675.85	320987.68	0:00	0	0:00	0	0:00	0
103	Year-Round Residence	Non-Participating	326680.94	320911.11	0:00	0	0:00	0	0:00	0
104	Year-Round Residence	Non-Participating	325631.11	321860.97	0:00	0	0:00	0	0:00	0
105	Year-Round Residence	Non-Participating	326747.88	320537.56	0:00	0	0:00	0	0:00	0
106	Year-Round Residence	Non-Participating	326769.58	320439.49	0:00	0	0:00	0	0:00	0

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Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
107	Year-Round Residence	Non-Participating	326757.47	320235.12	0:00	0	0:00	0	0:00	0
108	Year-Round Residence	Non-Participating	326649.77	320166.94	0:00	0	0:00	0	0:00	0
109	Year-Round Residence	Non-Participating	327107.05	321131.14	0:00	0	0:00	0	0:00	0
110	Year-Round Residence	Non-Participating	327100.78	321247.79	0:00	0	0:00	0	0:00	0
111	Year-Round Residence	Non-Participating	327260.08	321399.60	0:00	0	0:00	0	0:00	0
112	Year-Round Residence	Non-Participating	327356.80	320935.66	0:00	0	0:00	0	0:00	0
113	Year-Round Residence	Non-Participating	327370.63	320842.44	0:00	0	0:00	0	0:00	0
114	Year-Round Residence	Non-Participating	327352.24	320589.74	0:00	0	0:00	0	0:00	0
115	Year-Round Residence	Non-Participating	327283.70	320473.78	0:00	0	0:00	0	0:00	0
116	Year-Round Residence	Non-Participating	328217.19	321536.54	0:00	0	0:00	0	0:00	0
117	Year-Round Residence	Non-Participating	327395.38	320405.93	0:00	0	0:00	0	0:00	0
119	Year-Round Residence	Non-Participating	327443.98	320312.92	0:00	0	0:00	0	0:00	0
120	Year-Round Residence	Non-Participating	327877.12	320375.91	0:00	0	0:00	0	0:00	0
121	Year-Round Residence	Non-Participating	328174.72	320513.45	0:00	0	0:00	0	0:00	0
122	Year-Round Residence	Non-Participating	328253.83	320518.27	0:00	0	0:00	0	0:00	0
123	Year-Round Residence	Non-Participating	328180.55	320592.48	0:00	0	0:00	0	0:00	0
124	Year-Round Residence	Non-Participating	328172.35	320650.31	0:00	0	0:00	0	0:00	0
125	Year-Round Residence	Non-Participating	328299.81	320709.53	0:00	0	0:00	0	0:00	0
126	Year-Round Residence	Non-Participating	328419.92	320612.14	0:00	0	0:00	0	0:00	0
127	Year-Round Residence	Non-Participating	328508.22	320631.35	0:00	0	0:00	0	0:00	0
128	Year-Round Residence	Non-Participating	328148.73	320791.41	0:00	0	0:00	0	0:00	0
129	Year-Round Residence	Non-Participating	328152.43	320966.12	0:00	0	0:00	0	0:00	0
130	Year-Round Residence	Non-Participating	328226.95	320966.84	0:00	0	0:00	0	0:00	0
131	Year-Round Residence	Non-Participating	328214.86	321037.02	0:00	0	0:00	0	0:00	0
132	Year-Round Residence	Non-Participating	328195.35	321178.43	0:00	0	0:00	0	0:00	0
133	Year-Round Residence	Non-Participating	328248.10	321412.38	0:00	0	0:00	0	0:00	0
134	Year-Round Residence	Non-Participating	328163.61	321566.66	0:00	0	0:00	0	0:00	0
135	Year-Round Residence	Non-Participating	328293.42	321676.93	0:00	0	0:00	0	0:00	0
136	Year-Round Residence	Non-Participating	328296.22	321835.79	0:00	0	0:00	0	0:00	0
137	Year-Round Residence	Non-Participating	328289.17	321931.08	0:00	0	0:00	0	0:00	0
138	Year-Round Residence	Non-Participating	328303.17	322063.21	0:00	0	0:00	0	0:00	0
139	Year-Round Residence	Non-Participating	328284.81	322165.67	0:00	0	0:00	0	0:00	0
140	Year-Round Residence	Non-Participating	328410.05	322337.42	0:00	0	0:00	0	0:00	0
141	Year-Round Residence	Non-Participating	327224.97	321852.31	0:00	0	0:00	0	0:00	0
142	Year-Round Residence	Non-Participating	327284.95	321823.71	0:00	0	0:00	0	0:00	0
143	Year-Round Residence	Non-Participating	327302.32	321753.34	0:00	0	0:00	0	0:00	0
144	Year-Round Residence	Non-Participating	327354.12	321805.50	0:00	0	0:00	0	0:00	0
145	Year-Round Residence	Non-Participating	327377.69	321739.49	0:00	0	0:00	0	0:00	0
146	Year-Round Residence	Non-Participating	327130.85	321870.42	0:00	0	0:00	0	0:00	0
147	Year-Round Residence	Non-Participating	327101.69	321856.91	0:00	0	0:00	0	0:00	0
148	Year-Round Residence	Non-Participating	327113.65	321933.39	0:00	0	0:00	0	0:00	0
149	Year-Round Residence	Non-Participating	327051.71	321915.43	0:00	0	0:00	0	0:00	0
150	Year-Round Residence	Non-Participating	327089.10	322008.66	0:00	0	0:00	0	0:00	0
151	Year-Round Residence	Non-Participating	327051.28	322233.31	0:00	0	0:00	0	0:00	0
152	Year-Round Residence	Non-Participating	326831.30	322304.31	0:00	0	0:00	0	0:00	0
153	Year-Round Residence	Non-Participating	326815.90	322295.53	0:00	0	0:00	0	0:00	0
154	Year-Round Residence	Non-Participating	326768.36	322265.85	0:00	0	0:00	0	0:00	0
155	Year-Round Residence	Non-Participating	326807.24	322258.82	0:00	0	0:00	0	0:00	0
156	Year-Round Residence	Non-Participating	326762.58	322244.21	0:00	0	0:00	0	0:00	0
157	Year-Round Residence	Non-Participating	326803.42	322240.18	0:00	0	0:00	0	0:00	0
158	Year-Round Residence	Non-Participating	326761.36	322228.10	0:00	0	0:00	0	0:00	0
159	Year-Round Residence	Non-Participating	326759.92	322208.76	0:00	0	0:00	0	0:00	0
160	Year-Round Residence	Non-Participating	326803.67	322214.09	0:00	0	0:00	0	0:00	0

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Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
161	Year-Round Residence	Non-Participating	326760.72	322189.95	0:00	0	0:00	0	0:00	0
162	Year-Round Residence	Non-Participating	326800.15	322193.17	0:00	0	0:00	0	0:00	0
163	Year-Round Residence	Non-Participating	326753.85	322133.68	0:00	0	0:00	0	0:00	0
164	Year-Round Residence	Non-Participating	326759.84	322170.90	0:00	0	0:00	0	0:00	0
165	Year-Round Residence	Non-Participating	326796.75	322159.18	0:00	0	0:00	0	0:00	0
166	Year-Round Residence	Non-Participating	326797.74	322136.79	0:00	0	0:00	0	0:00	0
167	Year-Round Residence	Non-Participating	326775.14	322096.60	0:00	0	0:00	0	0:00	0
168	Year-Round Residence	Non-Participating	326755.65	322092.66	0:00	0	0:00	0	0:00	0
169	Year-Round Residence	Non-Participating	326716.36	322125.75	0:00	0	0:00	0	0:00	0
170	Year-Round Residence	Non-Participating	326730.36	322090.96	0:00	0	0:00	0	0:00	0
171	Year-Round Residence	Non-Participating	326706.98	322089.66	0:00	0	0:00	0	0:00	0
172	Year-Round Residence	Non-Participating	326684.02	322087.28	0:00	0	0:00	0	0:00	0
173	Year-Round Residence	Non-Participating	326670.84	322131.14	0:00	0	0:00	0	0:00	0
174	Year-Round Residence	Non-Participating	326667.40	322092.29	0:00	0	0:00	0	0:00	0
175	Year-Round Residence	Non-Participating	326650.10	322130.53	0:00	0	0:00	0	0:00	0
176	Year-Round Residence	Non-Participating	326649.80	322085.32	0:00	0	0:00	0	0:00	0
177	Year-Round Residence	Non-Participating	326620.03	322126.48	0:00	0	0:00	0	0:00	0
178	Year-Round Residence	Non-Participating	326634.00	322027.99	0:00	0	0:00	0	0:00	0
179	Year-Round Residence	Non-Participating	326554.28	322171.11	0:00	0	0:00	0	0:00	0
180	Year-Round Residence	Non-Participating	326612.56	322157.50	0:00	0	0:00	0	0:00	0
181	Year-Round Residence	Non-Participating	326610.46	322190.73	0:00	0	0:00	0	0:00	0
182	Year-Round Residence	Non-Participating	326553.32	322184.81	0:00	0	0:00	0	0:00	0
183	Year-Round Residence	Non-Participating	326540.47	322207.94	0:00	0	0:00	0	0:00	0
184	Year-Round Residence	Non-Participating	326539.82	322232.56	0:00	0	0:00	0	0:00	0
185	Year-Round Residence	Non-Participating	326611.16	322219.14	0:00	0	0:00	0	0:00	0
186	Year-Round Residence	Non-Participating	326533.84	322249.58	0:00	0	0:00	0	0:00	0
187	Year-Round Residence	Non-Participating	326603.48	322270.14	0:00	0	0:00	0	0:00	0
188	Year-Round Residence	Non-Participating	326532.28	322270.93	0:00	0	0:00	0	0:00	0
189	Year-Round Residence	Non-Participating	326598.50	322294.71	0:00	0	0:00	0	0:00	0
190	Year-Round Residence	Non-Participating	326591.79	322323.24	0:00	0	0:00	0	0:00	0
191	Year-Round Residence	Non-Participating	326595.31	322308.98	0:00	0	0:00	0	0:00	0
192	Year-Round Residence	Non-Participating	326589.55	322341.41	0:00	0	0:00	0	0:00	0
193	Year-Round Residence	Non-Participating	326676.31	322332.50	0:00	0	0:00	0	0:00	0
194	Year-Round Residence	Non-Participating	326161.71	322430.19	0:00	0	0:00	0	0:00	0
195	Year-Round Residence	Non-Participating	326044.14	322473.88	0:00	0	0:00	0	0:00	0
196	Year-Round Residence	Non-Participating	326071.94	322443.89	0:00	0	0:00	0	0:00	0
197	Year-Round Residence	Non-Participating	326095.46	322575.69	0:00	0	0:00	0	0:00	0
198	Year-Round Residence	Non-Participating	326082.16	322599.71	0:00	0	0:00	0	0:00	0
199	Year-Round Residence	Non-Participating	326067.54	322628.39	0:00	0	0:00	0	0:00	0
200	Year-Round Residence	Non-Participating	326049.40	322661.58	0:00	0	0:00	0	0:00	0
201	Year-Round Residence	Non-Participating	325919.00	322545.91	0:00	0	0:00	0	0:00	0
202	Year-Round Residence	Non-Participating	325916.89	322592.99	0:00	0	0:00	0	0:00	0
203	Year-Round Residence	Non-Participating	325949.51	322642.88	0:00	0	0:00	0	0:00	0
204	Year-Round Residence	Non-Participating	325966.22	322666.88	0:00	0	0:00	0	0:00	0
205	Year-Round Residence	Non-Participating	325978.97	322700.94	0:00	0	0:00	0	0:00	0
206	Year-Round Residence	Non-Participating	325963.05	322734.26	0:00	0	0:00	0	0:00	0
207	Year-Round Residence	Non-Participating	326012.30	322736.42	0:00	0	0:00	0	0:00	0
208	Year-Round Residence	Non-Participating	326002.32	322766.84	0:00	0	0:00	0	0:00	0
209	Year-Round Residence	Non-Participating	325989.38	322800.52	0:00	0	0:00	0	0:00	0
210	Year-Round Residence	Non-Participating	325940.04	322785.35	0:00	0	0:00	0	0:00	0
211	Year-Round Residence	Non-Participating	325929.00	322813.48	0:00	0	0:00	0	0:00	0
212	Year-Round Residence	Non-Participating	325976.43	322838.28	0:00	0	0:00	0	0:00	0
213	Year-Round Residence	Non-Participating	325920.05	322841.49	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
214	Year-Round Residence	Non-Participating	325959.23	322897.52	0:00	0	0:00	0	0:00	0
215	Year-Round Residence	Non-Participating	325996.76	322899.21	0:00	0	0:00	0	0:00	0
216	Year-Round Residence	Non-Participating	326031.60	322899.82	0:00	0	0:00	0	0:00	0
217	Year-Round Residence	Non-Participating	326035.96	322851.06	0:00	0	0:00	0	0:00	0
218	Year-Round Residence	Non-Participating	326067.37	322899.13	0:00	0	0:00	0	0:00	0
219	Year-Round Residence	Non-Participating	326094.56	322884.30	0:00	0	0:00	0	0:00	0
220	Year-Round Residence	Non-Participating	326109.80	322858.36	0:00	0	0:00	0	0:00	0
221	Year-Round Residence	Non-Participating	326128.03	322827.51	0:00	0	0:00	0	0:00	0
222	Year-Round Residence	Non-Participating	326071.83	322823.57	0:00	0	0:00	0	0:00	0
223	Year-Round Residence	Non-Participating	326087.69	322800.28	0:00	0	0:00	0	0:00	0
224	Year-Round Residence	Non-Participating	326146.78	322798.12	0:00	0	0:00	0	0:00	0
225	Year-Round Residence	Non-Participating	326160.23	322776.80	0:00	0	0:00	0	0:00	0
226	Year-Round Residence	Non-Participating	326109.75	322757.54	0:00	0	0:00	0	0:00	0
227	Year-Round Residence	Non-Participating	326084.61	322741.57	0:00	0	0:00	0	0:00	0
228	Year-Round Residence	Non-Participating	326056.12	322728.81	0:00	0	0:00	0	0:00	0
229	Year-Round Residence	Non-Participating	326078.93	322686.95	0:00	0	0:00	0	0:00	0
230	Year-Round Residence	Non-Participating	326251.05	322539.98	0:00	0	0:00	0	0:00	0
231	Year-Round Residence	Non-Participating	326253.25	322493.34	0:00	0	0:00	0	0:00	0
232	Year-Round Residence	Non-Participating	326212.36	322492.36	0:00	0	0:00	0	0:00	0
233	Year-Round Residence	Non-Participating	326249.71	322480.17	0:00	0	0:00	0	0:00	0
234	Year-Round Residence	Non-Participating	326214.01	322463.60	0:00	0	0:00	0	0:00	0
235	Year-Round Residence	Non-Participating	326213.45	322446.02	0:00	0	0:00	0	0:00	0
236	Year-Round Residence	Non-Participating	326199.53	322419.61	0:00	0	0:00	0	0:00	0
237	Year-Round Residence	Non-Participating	326304.35	322414.17	0:00	0	0:00	0	0:00	0
238	Year-Round Residence	Non-Participating	326327.43	322421.74	0:00	0	0:00	0	0:00	0
239	Year-Round Residence	Non-Participating	326397.02	322404.89	0:00	0	0:00	0	0:00	0
240	Year-Round Residence	Non-Participating	326432.58	322409.06	0:00	0	0:00	0	0:00	0
241	Year-Round Residence	Non-Participating	326460.49	322404.68	0:00	0	0:00	0	0:00	0
242	Year-Round Residence	Non-Participating	326529.08	322442.66	0:00	0	0:00	0	0:00	0
243	Year-Round Residence	Non-Participating	326504.26	322458.88	0:00	0	0:00	0	0:00	0
244	Year-Round Residence	Non-Participating	326453.62	322467.47	0:00	0	0:00	0	0:00	0
245	Year-Round Residence	Non-Participating	326489.87	322481.50	0:00	0	0:00	0	0:00	0
246	Year-Round Residence	Non-Participating	326442.42	322485.27	0:00	0	0:00	0	0:00	0
247	Year-Round Residence	Non-Participating	326479.68	322503.72	0:00	0	0:00	0	0:00	0
248	Year-Round Residence	Non-Participating	326426.41	322501.31	0:00	0	0:00	0	0:00	0
249	Year-Round Residence	Non-Participating	326456.19	322530.61	0:00	0	0:00	0	0:00	0
250	Year-Round Residence	Non-Participating	326466.70	322517.63	0:00	0	0:00	0	0:00	0
251	Year-Round Residence	Non-Participating	326416.00	322520.18	0:00	0	0:00	0	0:00	0
252	Year-Round Residence	Non-Participating	326227.00	322806.51	0:00	0	0:00	0	0:00	0
253	Year-Round Residence	Non-Participating	326210.33	322834.24	0:00	0	0:00	0	0:00	0
254	Year-Round Residence	Non-Participating	326195.41	322861.34	0:00	0	0:00	0	0:00	0
255	Year-Round Residence	Non-Participating	326177.72	322888.26	0:00	0	0:00	0	0:00	0
256	Year-Round Residence	Non-Participating	326191.78	322947.31	0:00	0	0:00	0	0:00	0
257	Year-Round Residence	Non-Participating	326150.47	323023.01	0:00	0	0:00	0	0:00	0
258	Year-Round Residence	Non-Participating	326109.80	323093.80	0:00	0	0:00	0	0:00	0
259	Year-Round Residence	Non-Participating	326072.00	323131.30	0:00	0	0:00	0	0:00	0
260	Year-Round Residence	Non-Participating	326035.11	323102.98	0:00	0	0:00	0	0:00	0
261	Year-Round Residence	Non-Participating	326056.55	323076.44	0:00	0	0:00	0	0:00	0
262	Year-Round Residence	Non-Participating	325970.90	323084.49	0:00	0	0:00	0	0:00	0
263	Year-Round Residence	Non-Participating	325936.56	323044.95	0:00	0	0:00	0	0:00	0
264	Year-Round Residence	Non-Participating	325904.31	323193.03	0:00	0	0:00	0	0:00	0
265	Year-Round Residence	Non-Participating	325943.43	323165.91	0:00	0	0:00	0	0:00	0
266	Year-Round Residence	Non-Participating	325688.94	323400.19	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
267	Year-Round Residence	Non-Participating	325817.19	323510.11	0:00	0	0:00	0	0:00	0
268	Year-Round Residence	Non-Participating	326764.17	322468.57	0:00	0	0:00	0	0:00	0
269	Year-Round Residence	Non-Participating	326667.97	322524.18	0:00	0	0:00	0	0:00	0
270	Year-Round Residence	Non-Participating	326667.19	322500.74	0:00	0	0:00	0	0:00	0
271	Year-Round Residence	Non-Participating	326667.43	322475.48	0:00	0	0:00	0	0:00	0
272	Year-Round Residence	Non-Participating	326772.46	322375.42	0:00	0	0:00	0	0:00	0
273	Year-Round Residence	Non-Participating	326794.69	322378.47	0:00	0	0:00	0	0:00	0
274	Year-Round Residence	Non-Participating	326835.43	322373.90	0:00	0	0:00	0	0:00	0
275	Year-Round Residence	Non-Participating	326857.51	322364.40	0:00	0	0:00	0	0:00	0
276	Year-Round Residence	Non-Participating	327017.05	322368.48	0:00	0	0:00	0	0:00	0
277	Year-Round Residence	Non-Participating	327014.10	322408.47	0:00	0	0:00	0	0:00	0
278	Year-Round Residence	Non-Participating	327070.14	322361.95	0:00	0	0:00	0	0:00	0
279	Year-Round Residence	Non-Participating	327064.61	322406.58	0:00	0	0:00	0	0:00	0
280	Year-Round Residence	Non-Participating	327062.33	322434.71	0:00	0	0:00	0	0:00	0
281	Year-Round Residence	Non-Participating	327012.01	322453.20	0:00	0	0:00	0	0:00	0
282	Year-Round Residence	Non-Participating	327052.19	322456.35	0:00	0	0:00	0	0:00	0
283	Year-Round Residence	Non-Participating	327011.15	322470.72	0:00	0	0:00	0	0:00	0
284	Year-Round Residence	Non-Participating	327049.08	322486.06	0:00	0	0:00	0	0:00	0
285	Year-Round Residence	Non-Participating	327006.93	322488.90	0:00	0	0:00	0	0:00	0
286	Year-Round Residence	Non-Participating	327009.30	322509.29	0:00	0	0:00	0	0:00	0
287	Year-Round Residence	Non-Participating	327049.92	322507.28	0:00	0	0:00	0	0:00	0
288	Year-Round Residence	Non-Participating	327047.19	322527.68	0:00	0	0:00	0	0:00	0
289	Year-Round Residence	Non-Participating	327010.17	322539.49	0:00	0	0:00	0	0:00	0
290	Year-Round Residence	Non-Participating	327048.54	322557.17	0:00	0	0:00	0	0:00	0
291	Year-Round Residence	Non-Participating	327008.82	322564.09	0:00	0	0:00	0	0:00	0
292	Year-Round Residence	Non-Participating	327007.63	322604.11	0:00	0	0:00	0	0:00	0
293	Year-Round Residence	Non-Participating	327045.16	322605.78	0:00	0	0:00	0	0:00	0
294	Year-Round Residence	Non-Participating	327036.80	322645.48	0:00	0	0:00	0	0:00	0
295	Year-Round Residence	Non-Participating	326993.27	322655.28	0:00	0	0:00	0	0:00	0
296	Year-Round Residence	Non-Participating	326996.76	322700.81	0:00	0	0:00	0	0:00	0
297	Year-Round Residence	Non-Participating	327036.11	322748.56	0:00	0	0:00	0	0:00	0
298	Year-Round Residence	Non-Participating	327035.61	322730.62	0:00	0	0:00	0	0:00	0
299	Year-Round Residence	Non-Participating	327000.50	322800.86	0:00	0	0:00	0	0:00	0
300	Year-Round Residence	Non-Participating	326998.44	322835.24	0:00	0	0:00	0	0:00	0
301	Year-Round Residence	Non-Participating	327005.40	322897.63	0:00	0	0:00	0	0:00	0
302	Year-Round Residence	Non-Participating	327001.16	322943.95	0:00	0	0:00	0	0:00	0
303	Year-Round Residence	Non-Participating	326998.03	322995.17	0:00	0	0:00	0	0:00	0
304	Year-Round Residence	Non-Participating	327057.28	322984.81	0:00	0	0:00	0	0:00	0
305	Year-Round Residence	Non-Participating	327063.23	323118.10	0:00	0	0:00	0	0:00	0
306	Year-Round Residence	Non-Participating	327084.97	322277.60	0:00	0	0:00	0	0:00	0
307	Year-Round Residence	Non-Participating	327101.06	322276.03	0:00	0	0:00	0	0:00	0
308	Year-Round Residence	Non-Participating	327092.26	322255.75	0:00	0	0:00	0	0:00	0
309	Year-Round Residence	Non-Participating	327118.07	322271.47	0:00	0	0:00	0	0:00	0
310	Year-Round Residence	Non-Participating	327107.75	322199.90	0:00	0	0:00	0	0:00	0
311	Year-Round Residence	Non-Participating	327113.54	322169.88	0:00	0	0:00	0	0:00	0
312	Year-Round Residence	Non-Participating	327123.78	322147.08	0:00	0	0:00	0	0:00	0
313	Year-Round Residence	Non-Participating	327125.02	322122.95	0:00	0	0:00	0	0:00	0
314	Year-Round Residence	Non-Participating	327158.31	322084.68	0:00	0	0:00	0	0:00	0
315	Year-Round Residence	Non-Participating	327160.79	322017.54	0:00	0	0:00	0	0:00	0
316	Year-Round Residence	Non-Participating	327165.20	321991.53	0:00	0	0:00	0	0:00	0
317	Year-Round Residence	Non-Participating	327185.01	321918.60	0:00	0	0:00	0	0:00	0
318	Year-Round Residence	Non-Participating	327132.91	322274.37	0:00	0	0:00	0	0:00	0
319	Year-Round Residence	Non-Participating	327162.34	322271.36	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
320	Year-Round Residence	Non-Participating	327114.11	322352.00	0:00	0	0:00	0	0:00	0
321	Year-Round Residence	Non-Participating	327132.91	322345.07	0:00	0	0:00	0	0:00	0
322	Year-Round Residence	Non-Participating	327148.05	322342.39	0:00	0	0:00	0	0:00	0
323	Year-Round Residence	Non-Participating	327168.67	322343.92	0:00	0	0:00	0	0:00	0
324	Year-Round Residence	Non-Participating	327202.22	322336.59	0:00	0	0:00	0	0:00	0
325	Year-Round Residence	Non-Participating	327319.35	322328.27	0:00	0	0:00	0	0:00	0
326	Year-Round Residence	Non-Participating	327273.31	322243.51	0:00	0	0:00	0	0:00	0
327	Year-Round Residence	Non-Participating	327224.69	322185.11	0:00	0	0:00	0	0:00	0
328	Year-Round Residence	Non-Participating	327289.47	322184.90	0:00	0	0:00	0	0:00	0
329	Year-Round Residence	Non-Participating	327295.13	322148.05	0:00	0	0:00	0	0:00	0
330	Year-Round Residence	Non-Participating	327247.53	322107.59	0:00	0	0:00	0	0:00	0
331	Year-Round Residence	Non-Participating	327297.36	322088.44	0:00	0	0:00	0	0:00	0
332	Year-Round Residence	Non-Participating	327247.87	322075.51	0:00	0	0:00	0	0:00	0
333	Year-Round Residence	Non-Participating	327295.30	322051.27	0:00	0	0:00	0	0:00	0
334	Year-Round Residence	Non-Participating	327246.89	322042.21	0:00	0	0:00	0	0:00	0
335	Year-Round Residence	Non-Participating	327239.89	321980.71	0:00	0	0:00	0	0:00	0
336	Year-Round Residence	Non-Participating	327294.91	322020.27	0:00	0	0:00	0	0:00	0
337	Year-Round Residence	Non-Participating	327295.96	321998.04	0:00	0	0:00	0	0:00	0
338	Year-Round Residence	Non-Participating	327317.86	322402.15	0:00	0	0:00	0	0:00	0
339	Year-Round Residence	Non-Participating	327355.37	322379.77	0:00	0	0:00	0	0:00	0
340	Year-Round Residence	Non-Participating	327387.67	322332.34	0:00	0	0:00	0	0:00	0
341	Year-Round Residence	Non-Participating	327436.74	322398.18	0:00	0	0:00	0	0:00	0
342	Year-Round Residence	Non-Participating	327487.04	322406.38	0:00	0	0:00	0	0:00	0
343	Year-Round Residence	Non-Participating	327439.61	322343.42	0:00	0	0:00	0	0:00	0
344	Year-Round Residence	Non-Participating	327578.97	322416.61	0:00	0	0:00	0	0:00	0
345	Year-Round Residence	Non-Participating	327671.56	322409.46	0:00	0	0:00	0	0:00	0
346	Year-Round Residence	Non-Participating	327708.66	322385.94	0:00	0	0:00	0	0:00	0
347	Year-Round Residence	Non-Participating	327737.69	322342.00	0:00	0	0:00	0	0:00	0
348	Year-Round Residence	Non-Participating	327518.29	322232.30	0:00	0	0:00	0	0:00	0
349	Year-Round Residence	Non-Participating	327593.63	322175.43	0:00	0	0:00	0	0:00	0
350	Year-Round Residence	Non-Participating	327774.36	322239.03	0:00	0	0:00	0	0:00	0
351	Year-Round Residence	Non-Participating	327864.16	322252.21	0:00	0	0:00	0	0:00	0
352	Year-Round Residence	Non-Participating	327826.81	322403.84	0:00	0	0:00	0	0:00	0
353	Year-Round Residence	Non-Participating	327746.85	322493.71	0:00	0	0:00	0	0:00	0
354	Year-Round Residence	Non-Participating	327758.44	322544.07	0:00	0	0:00	0	0:00	0
355	Year-Round Residence	Non-Participating	327784.93	322350.08	0:00	0	0:00	0	0:00	0
356	Year-Round Residence	Non-Participating	327875.00	322466.16	0:00	0	0:00	0	0:00	0
357	Year-Round Residence	Non-Participating	327741.07	322620.50	0:00	0	0:00	0	0:00	0
358	Year-Round Residence	Non-Participating	328115.21	322400.23	0:00	0	0:00	0	0:00	0
359	Year-Round Residence	Non-Participating	328080.29	322374.43	0:00	0	0:00	0	0:00	0
360	Year-Round Residence	Non-Participating	328167.59	322441.83	0:00	0	0:00	0	0:00	0
361	Year-Round Residence	Non-Participating	328245.38	322456.12	0:00	0	0:00	0	0:00	0
362	Year-Round Residence	Non-Participating	328243.96	322366.18	0:00	0	0:00	0	0:00	0
363	Year-Round Residence	Non-Participating	328505.63	322591.87	0:00	0	0:00	0	0:00	0
364	Year-Round Residence	Non-Participating	328604.56	322462.73	0:00	0	0:00	0	0:00	0
365	Year-Round Residence	Non-Participating	328657.15	322615.95	0:00	0	0:00	0	0:00	0
366	Year-Round Residence	Non-Participating	328591.63	322598.68	0:00	0	0:00	0	0:00	0
367	Year-Round Residence	Non-Participating	328730.35	322476.93	0:00	0	0:00	0	0:00	0
368	Year-Round Residence	Non-Participating	328765.82	322449.94	0:00	0	0:00	0	0:00	0
369	Year-Round Residence	Non-Participating	328804.74	322411.32	0:00	0	0:00	0	0:00	0
370	Year-Round Residence	Non-Participating	329071.43	322221.22	0:00	0	0:00	0	0:00	0
371	Year-Round Residence	Non-Participating	329113.31	322215.70	0:00	0	0:00	0	0:00	0
372	Year-Round Residence	Non-Participating	329262.00	322182.15	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
373	Year-Round Residence	Non-Participating	329215.75	322259.64	0:00	0	0:00	0	0:00	0
374	Year-Round Residence	Non-Participating	329242.99	322252.10	0:00	0	0:00	0	0:00	0
375	Year-Round Residence	Non-Participating	329546.99	322190.42	0:00	0	0:00	0	0:00	0
376	Year-Round Residence	Non-Participating	329633.74	322049.85	0:00	0	0:00	0	0:00	0
377	Year-Round Residence	Non-Participating	329680.48	322018.00	0:00	0	0:00	0	0:00	0
378	Year-Round Residence	Non-Participating	329887.83	321957.02	0:00	0	0:00	0	0:00	0
379	Year-Round Residence	Non-Participating	329943.11	321669.34	0:00	0	0:00	0	0:00	0
380	Year-Round Residence	Non-Participating	329902.24	321543.82	0:00	0	0:00	0	0:00	0
381	Year-Round Residence	Non-Participating	329960.18	321479.68	0:00	0	0:00	0	0:00	0
382	Year-Round Residence	Non-Participating	330037.86	321542.29	0:00	0	0:00	0	0:00	0
383	Year-Round Residence	Non-Participating	328668.88	320701.85	0:00	0	0:00	0	0:00	0
384	Year-Round Residence	Non-Participating	325747.82	322512.27	0:00	0	0:00	0	0:00	0
385	Year-Round Residence	Non-Participating	325691.36	322432.79	0:00	0	0:00	0	0:00	0
386	Year-Round Residence	Non-Participating	325362.64	322473.94	0:00	0	0:00	0	0:00	0
387	Year-Round Residence	Non-Participating	325260.28	322501.80	0:00	0	0:00	0	0:00	0
388	Year-Round Residence	Non-Participating	325202.18	322562.82	0:00	0	0:00	0	0:00	0
389	Year-Round Residence	Non-Participating	325221.35	322646.99	0:00	0	0:00	0	0:00	0
390	Year-Round Residence	Non-Participating	325131.89	322598.09	0:00	0	0:00	0	0:00	0
391	Year-Round Residence	Non-Participating	325085.68	322631.06	0:00	0	0:00	0	0:00	0
392	Year-Round Residence	Non-Participating	325035.21	322647.49	0:00	0	0:00	0	0:00	0
393	Year-Round Residence	Non-Participating	324888.97	322796.77	0:00	0	0:00	0	0:00	0
394	Year-Round Residence	Non-Participating	324602.97	323042.45	3:31	211	0:00	0	3:31	211
395	Year-Round Residence	Non-Participating	324475.83	322913.65	0:00	0	0:00	0	0:00	0
396	Year-Round Residence	Non-Participating	324407.34	322935.86	0:00	0	0:00	0	0:00	0
397	Year-Round Residence	Non-Participating	324446.86	322724.30	0:00	0	0:00	0	0:00	0
398	Year-Round Residence	Non-Participating	324572.41	322733.08	0:00	0	0:00	0	0:00	0
399	Year-Round Residence	Non-Participating	324536.65	322669.04	0:00	0	0:00	0	0:00	0
400	Year-Round Residence	Non-Participating	324387.22	322517.43	0:00	0	0:00	0	0:00	0
401	Year-Round Residence	Non-Participating	324427.60	322410.56	0:00	0	0:00	0	0:00	0
402	Year-Round Residence	Non-Participating	324386.26	322459.87	0:00	0	0:00	0	0:00	0
403	Year-Round Residence	Non-Participating	324348.99	322205.28	0:00	0	0:00	0	0:00	0
404	Year-Round Residence	Non-Participating	324459.52	322181.24	0:00	0	0:00	0	0:00	0
405	Year-Round Residence	Non-Participating	324372.32	321726.74	0:00	0	0:00	0	0:00	0
406	Year-Round Residence	Non-Participating	324464.71	321669.41	0:00	0	0:00	0	0:00	0
407	Year-Round Residence	Non-Participating	324450.11	321630.16	0:00	0	0:00	0	0:00	0
408	Year-Round Residence	Non-Participating	324352.67	321602.86	0:00	0	0:00	0	0:00	0
409	Year-Round Residence	Non-Participating	324306.07	321611.73	0:00	0	0:00	0	0:00	0
410	Year-Round Residence	Non-Participating	324361.75	321305.73	0:00	0	0:00	0	0:00	0
411	Year-Round Residence	Non-Participating	324279.94	321352.65	0:00	0	0:00	0	0:00	0
413	Year-Round Residence	Non-Participating	323942.85	321399.04	0:00	0	0:00	0	0:00	0
414	Year-Round Residence	Non-Participating	324501.52	321125.51	0:00	0	0:00	0	0:00	0
415	Year-Round Residence	Non-Participating	324752.92	320946.95	0:00	0	0:00	0	0:00	0
416	Year-Round Residence	Non-Participating	324684.12	320689.00	0:00	0	0:00	0	0:00	0
417	Year-Round Residence	Non-Participating	324760.65	320664.49	0:00	0	0:00	0	0:00	0
418	Year-Round Residence	Non-Participating	324945.95	321020.41	0:00	0	0:00	0	0:00	0
419	Year-Round Residence	Non-Participating	325245.51	321354.16	0:00	0	0:00	0	0:00	0
420	Year-Round Residence	Non-Participating	325140.17	321415.46	0:00	0	0:00	0	0:00	0
421	Year-Round Residence	Non-Participating	325273.19	321558.66	0:00	0	0:00	0	0:00	0
422	Year-Round Residence	Non-Participating	325171.43	321725.60	0:00	0	0:00	0	0:00	0
423	Year-Round Residence	Non-Participating	325059.93	321691.52	0:00	0	0:00	0	0:00	0
424	Year-Round Residence	Non-Participating	324976.24	321671.63	0:00	0	0:00	0	0:00	0
425	Year-Round Residence	Non-Participating	324901.86	321672.93	0:00	0	0:00	0	0:00	0
426	Year-Round Residence	Non-Participating	324870.24	321730.51	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
427	Year-Round Residence	Non-Participating	324705.38	321796.47	0:00	0	0:00	0	0:00	0
428	Year-Round Residence	Non-Participating	325411.66	321661.95	0:00	0	0:00	0	0:00	0
429	Year-Round Residence	Non-Participating	325467.09	321646.17	0:00	0	0:00	0	0:00	0
430	Year-Round Residence	Non-Participating	325612.56	321530.12	0:00	0	0:00	0	0:00	0
431	Year-Round Residence	Non-Participating	325714.35	321444.97	0:00	0	0:00	0	0:00	0
432	Year-Round Residence	Non-Participating	324202.08	322439.62	0:00	0	0:00	0	0:00	0
433	Year-Round Residence	Non-Participating	324165.19	322499.02	0:00	0	0:00	0	0:00	0
434	Year-Round Residence	Non-Participating	324085.25	322502.38	0:00	0	0:00	0	0:00	0
435	Year-Round Residence	Non-Participating	324004.12	322420.23	0:00	0	0:00	0	0:00	0
436	Year-Round Residence	Non-Participating	324053.58	322673.73	0:00	0	0:00	0	0:00	0
437	Year-Round Residence	Non-Participating	323896.71	322619.92	0:00	0	0:00	0	0:00	0
438	Year-Round Residence	Non-Participating	323774.65	322524.35	0:00	0	0:00	0	0:00	0
439	Year-Round Residence	Non-Participating	323707.95	322516.51	0:00	0	0:00	0	0:00	0
440	Year-Round Residence	Non-Participating	323304.56	322386.97	0:00	0	0:00	0	0:00	0
441	Year-Round Residence	Non-Participating	323114.67	322510.49	0:00	0	0:00	0	0:00	0
442	Year-Round Residence	Non-Participating	323207.32	322624.29	0:00	0	0:00	0	0:00	0
443	Year-Round Residence	Non-Participating	324004.61	323147.13	0:00	0	0:00	0	0:00	0
444	Year-Round Residence	Non-Participating	324049.94	323026.37	0:00	0	0:00	0	0:00	0
445	Year-Round Residence	Non-Participating	323933.25	323033.44	0:00	0	0:00	0	0:00	0
446	Year-Round Residence	Non-Participating	323780.69	323004.00	0:00	0	0:00	0	0:00	0
447	Year-Round Residence	Non-Participating	323873.40	323154.64	0:00	0	0:00	0	0:00	0
448	Year-Round Residence	Non-Participating	323550.58	323099.41	0:00	0	0:00	0	0:00	0
449	Year-Round Residence	Non-Participating	323317.56	323288.56	0:00	0	0:00	0	0:00	0
452	Year-Round Residence	Non-Participating	322888.01	323483.97	0:00	0	0:00	0	0:00	0
453	Year-Round Residence	Non-Participating	322840.82	323525.82	18:50	1130	0:00	0	18:50	1130
454	Year-Round Residence	Non-Participating	322770.63	323572.25	37:25	2245	0:00	0	37:25	2245
455	Year-Round Residence	Non-Participating	322644.45	323527.32	29:00	1740	0:00	0	29:00	1740
456	Year-Round Residence	Non-Participating	329977.58	321900.83	0:00	0	0:00	0	0:00	0
457	Year-Round Residence	Non-Participating	329948.82	321900.18	0:00	0	0:00	0	0:00	0
458	Year-Round Residence	Non-Participating	329905.24	322409.79	0:00	0	0:00	0	0:00	0
459	Year-Round Residence	Non-Participating	329939.53	322642.37	0:00	0	0:00	0	0:00	0
460	Year-Round Residence	Non-Participating	329857.45	322954.04	0:00	0	0:00	0	0:00	0
461	Year-Round Residence	Non-Participating	329984.68	323336.66	0:00	0	0:00	0	0:00	0
463	Year-Round Residence	Non-Participating	329945.77	323417.71	0:00	0	0:00	0	0:00	0
464	Year-Round Residence	Non-Participating	330011.66	323421.52	0:00	0	0:00	0	0:00	0
465	Year-Round Residence	Non-Participating	330330.72	323227.03	0:00	0	0:00	0	0:00	0
466	Year-Round Residence	Non-Participating	330332.33	322871.69	0:00	0	0:00	0	0:00	0
467	Year-Round Residence	Non-Participating	330441.67	322861.44	0:00	0	0:00	0	0:00	0
468	Year-Round Residence	Non-Participating	330083.48	323608.56	0:00	0	0:00	0	0:00	0
469	Year-Round Residence	Non-Participating	330003.59	323684.98	0:00	0	0:00	0	0:00	0
470	Year-Round Residence	Non-Participating	330027.36	323878.58	0:00	0	0:00	0	0:00	0
471	Year-Round Residence	Non-Participating	330020.19	323990.33	0:00	0	0:00	0	0:00	0
472	Year-Round Residence	Non-Participating	330136.74	324043.02	0:00	0	0:00	0	0:00	0
473	Year-Round Residence	Non-Participating	329949.10	324269.09	0:00	0	0:00	0	0:00	0
474	Year-Round Residence	Non-Participating	330124.85	324574.71	0:00	0	0:00	0	0:00	0
475	Year-Round Residence	Non-Participating	330085.38	324828.88	0:00	0	0:00	0	0:00	0
476	Year-Round Residence	Non-Participating	330115.34	324892.78	0:00	0	0:00	0	0:00	0
477	Year-Round Residence	Non-Participating	330103.04	324933.39	0:00	0	0:00	0	0:00	0
478	Year-Round Residence	Non-Participating	330086.62	325001.42	0:00	0	0:00	0	0:00	0
479	Year-Round Residence	Non-Participating	330079.64	325047.71	0:00	0	0:00	0	0:00	0
480	Year-Round Residence	Non-Participating	329997.46	325045.73	0:00	0	0:00	0	0:00	0
482	Year-Round Residence	Non-Participating	330113.43	325099.39	0:00	0	0:00	0	0:00	0
483	Year-Round Residence	Non-Participating	330134.52	325086.91	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
485	Year-Round Residence	Non-Participating	330018.53	325123.85	0:00	0	0:00	0	0:00	0
486	Year-Round Residence	Non-Participating	330018.26	325137.96	0:00	0	0:00	0	0:00	0
487	Year-Round Residence	Non-Participating	330059.68	325166.72	0:00	0	0:00	0	0:00	0
488	Year-Round Residence	Non-Participating	330013.69	325173.69	0:00	0	0:00	0	0:00	0
489	Year-Round Residence	Non-Participating	330008.05	325238.32	0:00	0	0:00	0	0:00	0
490	Year-Round Residence	Non-Participating	330049.72	325214.38	0:00	0	0:00	0	0:00	0
492	Year-Round Residence	Non-Participating	330026.74	325413.79	0:00	0	0:00	0	0:00	0
493	Year-Round Residence	Non-Participating	330099.09	325334.14	0:00	0	0:00	0	0:00	0
494	Year-Round Residence	Non-Participating	330129.64	325363.92	0:00	0	0:00	0	0:00	0
495	Year-Round Residence	Non-Participating	330088.31	325520.28	0:00	0	0:00	0	0:00	0
496	Year-Round Residence	Non-Participating	330133.94	325713.33	0:00	0	0:00	0	0:00	0
497	Year-Round Residence	Non-Participating	330131.85	325852.80	0:00	0	0:00	0	0:00	0
498	Year-Round Residence	Non-Participating	330634.49	326436.65	0:00	0	0:00	0	0:00	0
499	Year-Round Residence	Non-Participating	330209.52	325108.52	0:00	0	0:00	0	0:00	0
500	Year-Round Residence	Non-Participating	330550.59	325053.24	0:00	0	0:00	0	0:00	0
501	Year-Round Residence	Non-Participating	331113.94	325036.38	0:00	0	0:00	0	0:00	0
502	Year-Round Residence	Non-Participating	331081.03	325125.58	0:00	0	0:00	0	0:00	0
503	Year-Round Residence	Non-Participating	331043.77	324903.13	0:00	0	0:00	0	0:00	0
504	Year-Round Residence	Non-Participating	330005.17	323534.69	0:00	0	0:00	0	0:00	0
505	Year-Round Residence	Non-Participating	329868.36	323565.09	0:00	0	0:00	0	0:00	0
506	Year-Round Residence	Non-Participating	329347.94	323933.87	0:00	0	0:00	0	0:00	0
507	Year-Round Residence	Non-Participating	329261.79	324196.51	0:00	0	0:00	0	0:00	0
508	Year-Round Residence	Non-Participating	327288.39	323447.52	10:42	642	0:00	0	10:42	642
509	Year-Round Residence	Non-Participating	327335.06	323449.52	11:52	712	0:00	0	11:52	712
510	Year-Round Residence	Non-Participating	327391.76	323456.44	12:11	731	0:00	0	12:11	731
511	Year-Round Residence	Non-Participating	327576.50	323465.03	6:09	369	0:00	0	6:09	369
512	Year-Round Residence	Non-Participating	328047.11	323631.85	0:00	0	0:00	0	0:00	0
513	Year-Round Residence	Non-Participating	328120.53	323632.51	0:00	0	0:00	0	0:00	0
514	Year-Round Residence	Non-Participating	328089.58	323546.51	0:00	0	0:00	0	0:00	0
515	Year-Round Residence	Non-Participating	328484.82	323537.93	0:00	0	0:00	0	0:00	0
516	Year-Round Residence	Non-Participating	328672.21	323635.95	8:10	490	0:00	0	8:10	490
517	Year-Round Residence	Non-Participating	328845.65	323707.96	0:00	0	0:00	0	0:00	0
518	Year-Round Residence	Non-Participating	329095.79	323724.23	0:00	0	0:00	0	0:00	0
519	Year-Round Residence	Non-Participating	329151.41	324162.39	0:00	0	0:00	0	0:00	0
520	Year-Round Residence	Non-Participating	329226.49	324277.09	0:00	0	0:00	0	0:00	0
521	Year-Round Residence	Non-Participating	329479.82	324404.19	0:00	0	0:00	0	0:00	0
522	Year-Round Residence	Non-Participating	329505.25	324598.68	0:00	0	0:00	0	0:00	0
523	Year-Round Residence	Non-Participating	329552.43	324699.69	0:00	0	0:00	0	0:00	0
524	Year-Round Residence	Non-Participating	329811.75	325017.99	0:00	0	0:00	0	0:00	0
526	Year-Round Residence	Non-Participating	328948.12	324656.34	0:00	0	0:00	0	0:00	0
527	Year-Round Residence	Non-Participating	328542.55	324881.84	9:51	591	0:00	0	9:51	591
528	Year-Round Residence	Non-Participating	328724.14	324956.55	6:47	407	0:00	0	6:47	407
529	Year-Round Residence	Non-Participating	328534.45	324976.61	9:00	540	0:00	0	9:00	540
530	Year-Round Residence	Non-Participating	328333.33	325321.72	7:59	479	0:00	0	7:59	479
531	Year-Round Residence	Non-Participating	328415.82	325312.78	8:07	487	0:00	0	8:07	487
532	Year-Round Residence	Non-Participating	328667.48	325315.61	3:32	212	0:00	0	3:32	212
533	Year-Round Residence	Non-Participating	329056.75	325208.36	0:00	0	0:00	0	0:00	0
534	Year-Round Residence	Non-Participating	329104.31	325224.48	0:00	0	0:00	0	0:00	0
535	Year-Round Residence	Non-Participating	329171.23	325228.41	0:00	0	0:00	0	0:00	0
536	Year-Round Residence	Non-Participating	329416.20	325057.07	0:00	0	0:00	0	0:00	0
537	Year-Round Residence	Non-Participating	327087.71	323490.62	3:34	214	0:00	0	3:34	214
538	Year-Round Residence	Non-Participating	326996.77	323448.82	0:00	0	0:00	0	0:00	0
539	Year-Round Residence	Non-Participating	327028.98	323617.64	15:50	950	0:00	0	15:50	950

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
540	Year-Round Residence	Non-Participating	327012.42	323661.50	19:35	1175	0:00	0	19:35	1175
541	Year-Round Residence	Non-Participating	326962.47	323754.45	23:43	1423	0:00	0	23:43	1423
542	Year-Round Residence	Non-Participating	326946.82	323784.39	22:32	1352	0:00	0	22:32	1352
543	Year-Round Residence	Non-Participating	326931.48	323842.78	17:01	1021	0:00	0	17:01	1021
552	Year-Round Residence	Non-Participating	326755.39	325346.80	20:22	1222	0:00	0	20:22	1222
553	Year-Round Residence	Non-Participating	327187.08	325373.13	32:01	1921	0:00	0	32:01	1921
554	Year-Round Residence	Non-Participating	327684.86	325423.87	16:21	981	0:00	0	16:21	981
555	Year-Round Residence	Non-Participating	327986.87	325353.51	12:11	731	0:00	0	12:11	731
556	Year-Round Residence	Non-Participating	328153.86	325350.10	8:32	512	0:00	0	8:32	512
557	Year-Round Residence	Non-Participating	328156.33	325593.76	8:49	529	0:00	0	8:49	529
558	Year-Round Residence	Non-Participating	327981.66	325844.33	0:00	0	0:00	0	0:00	0
559	Year-Round Residence	Non-Participating	328020.08	326073.13	0:00	0	0:00	0	0:00	0
560	Year-Round Residence	Non-Participating	327572.80	326269.47	0:00	0	0:00	0	0:00	0
561	Year-Round Residence	Non-Participating	327421.78	326374.56	0:00	0	0:00	0	0:00	0
562	Year-Round Residence	Non-Participating	327466.54	326447.32	0:00	0	0:00	0	0:00	0
563	Year-Round Residence	Non-Participating	327098.61	326609.78	0:00	0	0:00	0	0:00	0
564	Year-Round Residence	Non-Participating	327018.60	326644.87	0:00	0	0:00	0	0:00	0
565	Year-Round Residence	Non-Participating	327038.44	326770.60	0:00	0	0:00	0	0:00	0
566	Year-Round Residence	Non-Participating	326830.62	326745.87	0:00	0	0:00	0	0:00	0
567	Year-Round Residence	Non-Participating	326755.68	326841.46	0:00	0	0:00	0	0:00	0
568	Year-Round Residence	Non-Participating	326594.75	326866.98	0:00	0	0:00	0	0:00	0
569	Year-Round Residence	Non-Participating	326506.05	326868.43	0:00	0	0:00	0	0:00	0
570	Year-Round Residence	Non-Participating	326639.50	326964.12	0:00	0	0:00	0	0:00	0
571	Year-Round Residence	Non-Participating	326564.98	327009.89	0:00	0	0:00	0	0:00	0
572	Year-Round Residence	Non-Participating	326701.57	327022.18	0:00	0	0:00	0	0:00	0
573	Year-Round Residence	Non-Participating	326607.05	327077.44	0:00	0	0:00	0	0:00	0
574	Year-Round Residence	Non-Participating	326739.57	327093.25	0:00	0	0:00	0	0:00	0
575	Year-Round Residence	Non-Participating	326855.73	327172.07	0:00	0	0:00	0	0:00	0
576	Year-Round Residence	Non-Participating	326659.48	327221.49	0:00	0	0:00	0	0:00	0
577	Year-Round Residence	Non-Participating	326775.48	327244.34	0:00	0	0:00	0	0:00	0
578	Year-Round Residence	Non-Participating	326695.98	327292.67	0:00	0	0:00	0	0:00	0
579	Year-Round Residence	Non-Participating	326792.03	327297.26	0:00	0	0:00	0	0:00	0
580	Year-Round Residence	Non-Participating	326896.33	327387.16	0:00	0	0:00	0	0:00	0
581	Year-Round Residence	Non-Participating	326908.21	327453.02	0:00	0	0:00	0	0:00	0
582	Year-Round Residence	Non-Participating	328464.84	322714.81	0:00	0	0:00	0	0:00	0
583	Year-Round Residence	Non-Participating	328548.86	322814.99	0:00	0	0:00	0	0:00	0
584	Year-Round Residence	Non-Participating	328501.26	322867.24	0:00	0	0:00	0	0:00	0
585	Year-Round Residence	Non-Participating	328475.00	323052.29	0:00	0	0:00	0	0:00	0
586	Year-Round Residence	Non-Participating	330070.41	326271.36	0:00	0	0:00	0	0:00	0
587	Year-Round Residence	Non-Participating	329980.77	326335.86	0:00	0	0:00	0	0:00	0
588	Year-Round Residence	Non-Participating	329865.75	326348.73	0:00	0	0:00	0	0:00	0
590	Year-Round Residence	Non-Participating	329909.52	326586.66	0:00	0	0:00	0	0:00	0
591	Year-Round Residence	Non-Participating	329674.57	326862.50	0:00	0	0:00	0	0:00	0
592	Year-Round Residence	Non-Participating	329741.46	327247.66	0:00	0	0:00	0	0:00	0
593	Year-Round Residence	Non-Participating	329667.33	327452.83	0:00	0	0:00	0	0:00	0
594	Year-Round Residence	Non-Participating	329786.61	327570.30	0:00	0	0:00	0	0:00	0
595	Year-Round Residence	Non-Participating	329659.26	327523.82	0:00	0	0:00	0	0:00	0
596	Year-Round Residence	Non-Participating	329665.46	327778.01	0:00	0	0:00	0	0:00	0
597	Year-Round Residence	Non-Participating	329876.60	327713.09	0:00	0	0:00	0	0:00	0
598	Year-Round Residence	Non-Participating	329690.66	326380.12	0:00	0	0:00	0	0:00	0
599	Year-Round Residence	Non-Participating	329493.20	326408.86	0:00	0	0:00	0	0:00	0
600	Year-Round Residence	Non-Participating	329088.24	326818.38	0:00	0	0:00	0	0:00	0
601	Year-Round Residence	Non-Participating	328838.10	327314.44	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
603	Year-Round Residence	Non-Participating	328540.83	327937.99	0:00	0	0:00	0	0:00	0
604	Year-Round Residence	Non-Participating	328548.14	328125.00	0:00	0	0:00	0	0:00	0
605	Year-Round Residence	Non-Participating	328511.74	328266.48	0:00	0	0:00	0	0:00	0
606	Year-Round Residence	Non-Participating	328475.05	328349.28	0:00	0	0:00	0	0:00	0
607	Year-Round Residence	Non-Participating	328476.55	328401.65	0:00	0	0:00	0	0:00	0
608	Year-Round Residence	Non-Participating	328381.01	328457.39	0:00	0	0:00	0	0:00	0
609	Year-Round Residence	Non-Participating	327895.13	327465.04	0:00	0	0:00	0	0:00	0
610	Year-Round Residence	Non-Participating	327415.20	327653.33	0:00	0	0:00	0	0:00	0
611	Year-Round Residence	Non-Participating	327588.98	327484.75	0:00	0	0:00	0	0:00	0
612	Year-Round Residence	Non-Participating	327835.02	327094.72	0:00	0	0:00	0	0:00	0
613	Year-Round Residence	Non-Participating	327781.47	327118.13	0:00	0	0:00	0	0:00	0
614	Year-Round Residence	Non-Participating	327762.70	327142.24	0:00	0	0:00	0	0:00	0
615	Year-Round Residence	Non-Participating	327678.01	326917.60	0:00	0	0:00	0	0:00	0
616	Year-Round Residence	Non-Participating	327470.70	326839.66	0:00	0	0:00	0	0:00	0
617	Year-Round Residence	Non-Participating	326708.71	325510.49	16:52	1012	0:00	0	16:52	1012
618	Year-Round Residence	Non-Participating	326712.96	325555.38	17:15	1035	0:00	0	17:15	1035
619	Year-Round Residence	Non-Participating	326695.20	325726.06	13:11	791	0:00	0	13:11	791
621	Year-Round Residence	Non-Participating	326701.99	326079.42	0:00	0	0:00	0	0:00	0
622	Year-Round Residence	Non-Participating	326602.66	326054.42	0:00	0	0:00	0	0:00	0
623	Year-Round Residence	Non-Participating	326586.41	326168.23	0:00	0	0:00	0	0:00	0
624	Year-Round Residence	Non-Participating	326584.79	326238.63	0:00	0	0:00	0	0:00	0
625	Year-Round Residence	Non-Participating	326411.39	326280.73	0:00	0	0:00	0	0:00	0
626	Year-Round Residence	Non-Participating	326477.82	326395.59	0:00	0	0:00	0	0:00	0
627	Year-Round Residence	Non-Participating	326441.62	326451.40	0:00	0	0:00	0	0:00	0
628	Year-Round Residence	Non-Participating	326401.74	326599.84	0:00	0	0:00	0	0:00	0
629	Year-Round Residence	Non-Participating	326481.82	326785.91	0:00	0	0:00	0	0:00	0
630	Year-Round Residence	Non-Participating	326414.92	326914.05	0:00	0	0:00	0	0:00	0
631	Year-Round Residence	Non-Participating	326326.64	326919.04	0:00	0	0:00	0	0:00	0
632	Year-Round Residence	Non-Participating	326246.96	326933.13	0:00	0	0:00	0	0:00	0
633	Year-Round Residence	Non-Participating	326142.75	326931.26	0:00	0	0:00	0	0:00	0
634	Year-Round Residence	Non-Participating	325950.33	326982.90	0:00	0	0:00	0	0:00	0
635	Year-Round Residence	Non-Participating	325740.63	327009.10	0:00	0	0:00	0	0:00	0
636	Year-Round Residence	Non-Participating	325672.13	327507.94	0:00	0	0:00	0	0:00	0
637	Year-Round Residence	Non-Participating	325700.00	327630.91	0:00	0	0:00	0	0:00	0
638	Year-Round Residence	Non-Participating	325672.34	328040.57	0:00	0	0:00	0	0:00	0
639	Year-Round Residence	Non-Participating	325746.08	328063.11	0:00	0	0:00	0	0:00	0
640	Year-Round Residence	Non-Participating	325691.72	328124.28	0:00	0	0:00	0	0:00	0
641	Year-Round Residence	Non-Participating	325711.11	328221.86	0:00	0	0:00	0	0:00	0
642	Year-Round Residence	Non-Participating	325744.19	328336.83	0:00	0	0:00	0	0:00	0
643	Year-Round Residence	Non-Participating	325674.29	328375.31	0:00	0	0:00	0	0:00	0
644	Year-Round Residence	Non-Participating	326012.20	328401.63	0:00	0	0:00	0	0:00	0
645	Year-Round Residence	Non-Participating	326152.27	328506.18	0:00	0	0:00	0	0:00	0
646	Year-Round Residence	Non-Participating	326113.01	328409.67	0:00	0	0:00	0	0:00	0
647	Year-Round Residence	Non-Participating	326212.02	328424.82	0:00	0	0:00	0	0:00	0
648	Year-Round Residence	Non-Participating	326318.65	328501.06	0:00	0	0:00	0	0:00	0
649	Year-Round Residence	Non-Participating	326410.82	328582.70	0:00	0	0:00	0	0:00	0
650	Year-Round Residence	Non-Participating	326493.76	328550.96	0:00	0	0:00	0	0:00	0
651	Year-Round Residence	Non-Participating	326851.80	328497.00	0:00	0	0:00	0	0:00	0
652	Year-Round Residence	Non-Participating	326613.69	328392.95	0:00	0	0:00	0	0:00	0
653	Year-Round Residence	Non-Participating	326572.88	325697.83	17:13	1033	0:00	0	17:13	1033
654	Year-Round Residence	Non-Participating	326496.07	325713.02	16:06	966	0:00	0	16:06	966
655	Year-Round Residence	Non-Participating	326404.00	325722.64	12:35	755	0:00	0	12:35	755
656	Year-Round Residence	Non-Participating	326367.51	325624.10	16:46	1006	0:00	0	16:46	1006

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
657	Year-Round Residence	Non-Participating	326332.81	325715.92	9:09	549	0:00	0	9:09	549
658	Year-Round Residence	Non-Participating	326307.12	325606.54	16:07	967	0:00	0	16:07	967
659	Year-Round Residence	Non-Participating	326269.00	325693.83	7:14	434	0:00	0	7:14	434
660	Year-Round Residence	Non-Participating	326224.58	325615.64	11:55	715	0:00	0	11:55	715
661	Year-Round Residence	Non-Participating	326198.44	325709.84	2:41	161	0:00	0	2:41	161
662	Year-Round Residence	Non-Participating	325969.48	325710.06	0:00	0	0:00	0	0:00	0
663	Year-Round Residence	Non-Participating	325700.57	326014.11	0:00	0	0:00	0	0:00	0
664	Year-Round Residence	Non-Participating	325743.82	326057.97	0:00	0	0:00	0	0:00	0
665	Year-Round Residence	Non-Participating	325751.65	326129.23	0:00	0	0:00	0	0:00	0
666	Year-Round Residence	Non-Participating	325754.69	326203.32	0:00	0	0:00	0	0:00	0
667	Year-Round Residence	Non-Participating	325736.82	326261.21	0:00	0	0:00	0	0:00	0
668	Year-Round Residence	Non-Participating	325744.91	326331.06	0:00	0	0:00	0	0:00	0
669	Year-Round Residence	Non-Participating	325747.75	326429.03	0:00	0	0:00	0	0:00	0
670	Year-Round Residence	Non-Participating	325750.08	326486.12	0:00	0	0:00	0	0:00	0
671	Year-Round Residence	Non-Participating	325854.60	326663.33	0:00	0	0:00	0	0:00	0
672	Year-Round Residence	Non-Participating	325425.65	326994.85	0:00	0	0:00	0	0:00	0
673	Year-Round Residence	Non-Participating	325104.03	327882.84	0:00	0	0:00	0	0:00	0
674	Year-Round Residence	Non-Participating	325016.17	327892.05	0:00	0	0:00	0	0:00	0
675	Year-Round Residence	Non-Participating	324942.80	328055.65	0:00	0	0:00	0	0:00	0
676	Year-Round Residence	Non-Participating	324115.74	328036.99	0:00	0	0:00	0	0:00	0
677	Year-Round Residence	Non-Participating	324313.27	327911.51	0:00	0	0:00	0	0:00	0
678	Year-Round Residence	Non-Participating	324383.65	327571.59	4:36	276	0:00	0	4:36	276
679	Year-Round Residence	Non-Participating	324665.78	327336.01	2:30	150	0:00	0	2:30	150
681	Year-Round Residence	Non-Participating	325155.76	326738.40	0:00	0	0:00	0	0:00	0
682	Year-Round Residence	Non-Participating	325269.53	325663.08	9:39	579	0:00	0	9:39	579
683	Year-Round Residence	Non-Participating	325279.20	325628.61	11:12	672	0:00	0	11:12	672
684	Year-Round Residence	Non-Participating	325296.66	325606.08	12:35	755	0:00	0	12:35	755
685	Year-Round Residence	Non-Participating	325319.64	325594.68	13:26	806	0:00	0	13:26	806
687	Year-Round Residence	Non-Participating	323607.51	327541.12	0:00	0	0:00	0	0:00	0
688	Year-Round Residence	Non-Participating	323634.85	327473.47	0:00	0	0:00	0	0:00	0
689	Year-Round Residence	Non-Participating	323667.47	327422.53	0:00	0	0:00	0	0:00	0
690	Year-Round Residence	Non-Participating	323743.37	327378.89	1:44	104	0:00	0	1:44	104
691	Year-Round Residence	Non-Participating	323948.14	326728.54	17:53	1073	0:00	0	17:53	1073
692	Year-Round Residence	Non-Participating	323917.32	326574.41	34:39	2079	0:00	0	34:39	2079
693	Year-Round Residence	Non-Participating	323939.22	326503.06	27:22	1642	0:00	0	27:22	1642
694	Year-Round Residence	Non-Participating	324022.63	326186.20	0:00	0	0:00	0	0:00	0
696	Year-Round Residence	Non-Participating	324194.77	325741.25	0:00	0	0:00	0	0:00	0
697	Year-Round Residence	Non-Participating	324282.81	325570.53	4:33	273	0:00	0	4:33	273
698	Year-Round Residence	Non-Participating	324363.05	325478.61	13:00	780	0:00	0	13:00	780
699	Year-Round Residence	Non-Participating	324594.92	324913.88	47:47	2867	0:00	0	47:47	2867
700	Year-Round Residence	Non-Participating	324831.93	324371.68	36:22	2182	0:00	0	36:22	2182
701	Year-Round Residence	Non-Participating	324991.93	323830.97	5:14	314	0:00	0	5:14	314
703	Year-Round Residence	Non-Participating	322846.05	326170.30	23:51	1431	0:00	0	23:51	1431
704	Year-Round Residence	Non-Participating	322857.95	326139.50	21:14	1274	0:00	0	21:14	1274
705	Year-Round Residence	Non-Participating	323158.90	325496.31	6:53	413	0:00	0	6:53	413
706	Year-Round Residence	Non-Participating	323320.03	324905.64	27:32	1652	0:00	0	27:32	1652
708	Year-Round Residence	Non-Participating	323690.28	324591.21	28:02	1682	0:00	0	28:02	1682
709	Year-Round Residence	Non-Participating	323599.59	324540.28	22:11	1331	0:00	0	22:11	1331
710	Year-Round Residence	Non-Participating	324371.67	323917.57	4:48	288	0:00	0	4:48	288
711	Year-Round Residence	Non-Participating	322599.52	325185.83	10:52	652	0:00	0	10:52	652
713	Year-Round Residence	Non-Participating	323281.10	323143.80	0:00	0	0:00	0	0:00	0
714	Seasonal Residence	Non-Participating	325745.16	321821.92	0:00	0	0:00	0	0:00	0
715	Seasonal Residence	Non-Participating	326701.27	325635.06	15:07	907	0:00	0	15:07	907

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
716	Seasonal Residence	Non-Participating	325343.12	327976.48	0:00	0	0:00	0	0:00	0
717	Seasonal Residence	Non-Participating	325366.04	327983.59	0:00	0	0:00	0	0:00	0
718	Seasonal Residence	Non-Participating	325345.23	327936.13	0:00	0	0:00	0	0:00	0
719	Seasonal Residence	Non-Participating	325377.89	327944.19	0:00	0	0:00	0	0:00	0
720	Seasonal Residence	Non-Participating	325400.21	327958.17	0:00	0	0:00	0	0:00	0
721	Seasonal Residence	Non-Participating	325356.06	327914.30	0:00	0	0:00	0	0:00	0
722	Seasonal Residence	Non-Participating	325371.98	327892.02	0:00	0	0:00	0	0:00	0
723	Seasonal Residence	Non-Participating	325400.05	327932.38	0:00	0	0:00	0	0:00	0
724	Seasonal Residence	Non-Participating	325402.60	327910.25	0:00	0	0:00	0	0:00	0
725	Seasonal Residence	Non-Participating	325418.02	327904.20	0:00	0	0:00	0	0:00	0
726	Seasonal Residence	Non-Participating	325409.08	327888.46	0:00	0	0:00	0	0:00	0
727	Seasonal Residence	Non-Participating	325419.54	327876.89	0:00	0	0:00	0	0:00	0
728	Seasonal Residence	Non-Participating	325413.45	328009.73	0:00	0	0:00	0	0:00	0
729	Seasonal Residence	Non-Participating	325393.45	327973.71	0:00	0	0:00	0	0:00	0
730	Seasonal Residence	Non-Participating	325454.06	328015.84	0:00	0	0:00	0	0:00	0
731	Seasonal Residence	Non-Participating	325480.37	328044.51	0:00	0	0:00	0	0:00	0
732	Seasonal Residence	Non-Participating	325490.48	328033.29	0:00	0	0:00	0	0:00	0
733	Seasonal Residence	Non-Participating	325471.95	328003.69	0:00	0	0:00	0	0:00	0
734	Seasonal Residence	Non-Participating	325483.03	327995.61	0:00	0	0:00	0	0:00	0
735	Seasonal Residence	Non-Participating	325547.38	328013.83	0:00	0	0:00	0	0:00	0
736	Seasonal Residence	Non-Participating	325563.23	328024.46	0:00	0	0:00	0	0:00	0
737	Seasonal Residence	Non-Participating	325516.86	328018.94	0:00	0	0:00	0	0:00	0
738	Seasonal Residence	Non-Participating	325514.02	328002.52	0:00	0	0:00	0	0:00	0
739	Seasonal Residence	Non-Participating	325531.43	327979.98	0:00	0	0:00	0	0:00	0
740	Seasonal Residence	Non-Participating	325629.78	328003.20	0:00	0	0:00	0	0:00	0
741	Seasonal Residence	Non-Participating	325543.56	327921.70	0:00	0	0:00	0	0:00	0
742	Seasonal Residence	Non-Participating	325596.85	327929.07	0:00	0	0:00	0	0:00	0
743	Seasonal Residence	Non-Participating	325583.77	327965.54	0:00	0	0:00	0	0:00	0
744	Seasonal Residence	Non-Participating	325602.10	327960.98	0:00	0	0:00	0	0:00	0
745	Seasonal Residence	Non-Participating	325561.30	327937.44	0:00	0	0:00	0	0:00	0
746	Seasonal Residence	Non-Participating	325446.29	328026.82	0:00	0	0:00	0	0:00	0
747	Seasonal Residence	Non-Participating	325658.48	328135.24	0:00	0	0:00	0	0:00	0
748	Seasonal Residence	Non-Participating	325661.48	326324.43	0:00	0	0:00	0	0:00	0
878	Year-Round Residence	Non-Participating	325945.81	326888.42	0:00	0	0:00	0	0:00	0
940	Year-Round Residence	Non-Participating	327613.59	320420.17	0:00	0	0:00	0	0:00	0
998	Year-Round Residence	Non-Participating	324166.93	321721.96	0:00	0	0:00	0	0:00	0
1003	Year-Round Residence	Non-Participating	324046.35	321189.46	0:00	0	0:00	0	0:00	0
1025	Year-Round Residence	Non-Participating	330339.16	322901.61	0:00	0	0:00	0	0:00	0
1122	Year-Round Residence	Non-Participating	325000.23	327144.27	0:00	0	0:00	0	0:00	0
1129	Year-Round Residence	Non-Participating	324047.36	325972.98	0:00	0	0:00	0	0:00	0
1144	Year-Round Residence	Non-Participating	325887.36	323375.87	0:00	0	0:00	0	0:00	0
1145	Year-Round Residence	Non-Participating	325890.11	323346.79	0:00	0	0:00	0	0:00	0
1147	Year-Round Residence	Non-Participating	329880.15	322685.06	0:00	0	0:00	0	0:00	0
1148	Year-Round Residence	Non-Participating	329952.55	325105.23	0:00	0	0:00	0	0:00	0
1152	Year-Round Residence	Non-Participating	328507.39	328156.85	0:00	0	0:00	0	0:00	0
1156	Seasonal Residence	Non-Participating	323927.02	326942.58	12:17	737	0:00	0	12:17	737
1163	Year-Round Residence	Non-Participating	324570.27	327397.25	2:37	157	0:00	0	2:37	157
1164	Year-Round Residence	Non-Participating	324599.72	327375.63	2:37	157	0:00	0	2:37	157
1166	Year-Round Residence	Non-Participating	325724.92	327986.21	0:00	0	0:00	0	0:00	0
1167	Year-Round Residence	Non-Participating	326355.85	328616.48	0:00	0	0:00	0	0:00	0
1168	Year-Round Residence	Non-Participating	326482.93	326886.36	0:00	0	0:00	0	0:00	0
1169	Year-Round Residence	Non-Participating	326681.45	327386.34	0:00	0	0:00	0	0:00	0
1171	Year-Round Residence	Non-Participating	327603.15	325435.83	13:40	820	0:00	0	13:40	820

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1173	Year-Round Residence	Non-Participating	326836.02	324708.98	61:08	3668	0:00	0	61:08	3668
1174	Year-Round Residence	Non-Participating	328258.97	324981.09	16:04	964	0:00	0	16:04	964
1176	Year-Round Residence	Non-Participating	330335.09	324905.12	0:00	0	0:00	0	0:00	0
1177	Year-Round Residence	Non-Participating	330153.01	325466.87	0:00	0	0:00	0	0:00	0
1178	Year-Round Residence	Non-Participating	324583.88	320893.66	0:00	0	0:00	0	0:00	0
1179	Year-Round Residence	Non-Participating	327064.62	323283.95	0:00	0	0:00	0	0:00	0
1183	Year-Round Residence	Non-Participating	328511.02	322768.13	0:00	0	0:00	0	0:00	0
1224	Year-Round Residence	Non-Participating	316822.82	329014.14	5:50	350	0:00	0	5:50	350
1275	Year-Round Residence	Non-Participating	322070.83	327704.69	0:00	0	0:00	0	0:00	0
1365	Year-Round Residence	Non-Participating	320539.86	330746.94	0:00	0	0:00	0	0:00	0
1406	Year-Round Residence	Non-Participating	319551.11	322646.06	0:00	0	0:00	0	0:00	0
1409	Year-Round Residence	Non-Participating	323113.39	320090.60	0:00	0	0:00	0	0:00	0
1419	Seasonal Residence	Non-Participating	313209.56	328767.83	0:00	0	0:00	0	0:00	0
1421	Seasonal Residence	Non-Participating	316258.35	332105.08	0:00	0	29:19	1759	29:19	1759
1422	Seasonal Residence	Non-Participating	317821.10	332559.73	0:00	0	10:18	618	10:18	618
1423	Seasonal Residence	Non-Participating	316491.12	329705.46	0:00	0	0:00	0	0:00	0
1425	Seasonal Residence	Non-Participating	313664.39	325982.83	0:00	0	0:00	0	0:00	0
1426	Seasonal Residence	Non-Participating	316087.96	326037.01	13:05	785	0:00	0	13:05	785
1427	Seasonal Residence	Non-Participating	316116.75	325871.01	5:33	333	0:00	0	5:33	333
1428	Seasonal Residence	Non-Participating	315968.20	326636.82	7:04	424	0:00	0	7:04	424
1430	Seasonal Residence	Non-Participating	320063.55	329354.58	5:22	322	0:00	0	5:22	322
1432	Seasonal Residence	Non-Participating	319185.70	326447.45	17:04	1024	0:00	0	17:04	1024
1433	Seasonal Residence	Non-Participating	319901.71	329969.79	0:00	0	0:00	0	0:00	0
1434	Seasonal Residence	Non-Participating	323920.16	328604.23	0:00	0	0:00	0	0:00	0
1438	Year-Round Residence	Non-Participating	318721.38	329731.20	11:01	661	0:00	0	11:01	661
1439	Year-Round Residence	Non-Participating	312967.76	326979.39	0:00	0	0:00	0	0:00	0
1440	Year-Round Residence	Non-Participating	313042.05	326949.42	0:00	0	0:00	0	0:00	0
1441	Year-Round Residence	Non-Participating	313111.01	326969.73	0:00	0	0:00	0	0:00	0
1442	Year-Round Residence	Non-Participating	313191.15	327029.38	0:00	0	0:00	0	0:00	0
1443	Year-Round Residence	Non-Participating	313258.73	327007.33	0:00	0	0:00	0	0:00	0
1444	Year-Round Residence	Non-Participating	313377.60	327129.66	0:00	0	0:00	0	0:00	0
1445	Year-Round Residence	Non-Participating	313311.36	327194.05	0:00	0	0:00	0	0:00	0
1446	Year-Round Residence	Non-Participating	313174.86	327170.26	0:00	0	0:00	0	0:00	0
1447	Year-Round Residence	Non-Participating	313161.11	327222.95	0:00	0	0:00	0	0:00	0
1448	Year-Round Residence	Non-Participating	313125.99	327262.87	0:00	0	0:00	0	0:00	0
1449	Year-Round Residence	Non-Participating	313092.30	327319.27	0:00	0	0:00	0	0:00	0
1450	Year-Round Residence	Non-Participating	313053.96	327352.15	0:00	0	0:00	0	0:00	0
1451	Year-Round Residence	Non-Participating	313034.29	327397.98	0:00	0	0:00	0	0:00	0
1452	Year-Round Residence	Non-Participating	313120.41	327475.47	0:00	0	0:00	0	0:00	0
1453	Year-Round Residence	Non-Participating	312972.61	327495.45	0:00	0	0:00	0	0:00	0
1454	Year-Round Residence	Non-Participating	313196.59	326572.88	0:00	0	0:00	0	0:00	0
1455	Year-Round Residence	Non-Participating	313179.66	326499.26	0:00	0	0:00	0	0:00	0
1456	Year-Round Residence	Non-Participating	313272.81	326547.92	0:00	0	0:00	0	0:00	0
1457	Year-Round Residence	Non-Participating	313257.94	326470.93	0:00	0	0:00	0	0:00	0
1458	Year-Round Residence	Non-Participating	313346.76	326533.97	0:00	0	0:00	0	0:00	0
1459	Year-Round Residence	Non-Participating	313329.10	326450.26	0:00	0	0:00	0	0:00	0
1460	Year-Round Residence	Non-Participating	313406.02	326508.66	0:00	0	0:00	0	0:00	0
1461	Year-Round Residence	Non-Participating	313400.40	326413.17	0:00	0	0:00	0	0:00	0
1462	Year-Round Residence	Non-Participating	313345.60	326366.75	0:00	0	0:00	0	0:00	0
1463	Year-Round Residence	Non-Participating	313259.28	326356.70	0:00	0	0:00	0	0:00	0
1464	Year-Round Residence	Non-Participating	313197.06	326246.34	0:00	0	0:00	0	0:00	0
1465	Year-Round Residence	Non-Participating	313237.91	326133.43	0:00	0	0:00	0	0:00	0
1466	Year-Round Residence	Non-Participating	313431.39	326286.56	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1467	Year-Round Residence	Non-Participating	313364.20	327216.23	0:00	0	0:00	0	0:00	0
1468	Year-Round Residence	Non-Participating	313481.86	327262.51	0:00	0	0:00	0	0:00	0
1469	Year-Round Residence	Non-Participating	313703.14	327291.26	0:00	0	0:00	0	0:00	0
1470	Year-Round Residence	Non-Participating	313751.46	327308.59	0:00	0	0:00	0	0:00	0
1471	Year-Round Residence	Non-Participating	313806.07	327415.41	0:00	0	0:00	0	0:00	0
1472	Year-Round Residence	Non-Participating	313917.19	327390.29	0:00	0	0:00	0	0:00	0
1473	Year-Round Residence	Non-Participating	313592.39	327089.79	0:00	0	0:00	0	0:00	0
1474	Year-Round Residence	Non-Participating	313638.97	327081.09	0:00	0	0:00	0	0:00	0
1475	Year-Round Residence	Non-Participating	313699.78	327128.42	0:00	0	0:00	0	0:00	0
1476	Year-Round Residence	Non-Participating	313783.15	327128.53	0:00	0	0:00	0	0:00	0
1477	Year-Round Residence	Non-Participating	313722.90	327044.75	0:00	0	0:00	0	0:00	0
1478	Year-Round Residence	Non-Participating	313779.01	327056.60	0:00	0	0:00	0	0:00	0
1479	Year-Round Residence	Non-Participating	313828.68	327039.61	0:00	0	0:00	0	0:00	0
1480	Year-Round Residence	Non-Participating	313842.30	327129.09	0:00	0	0:00	0	0:00	0
1481	Year-Round Residence	Non-Participating	313910.71	327136.72	0:00	0	0:00	0	0:00	0
1482	Year-Round Residence	Non-Participating	313924.65	327021.49	0:00	0	0:00	0	0:00	0
1483	Year-Round Residence	Non-Participating	314253.38	327418.18	0:00	0	0:00	0	0:00	0
1484	Year-Round Residence	Non-Participating	314297.96	327484.44	0:00	0	0:00	0	0:00	0
1485	Year-Round Residence	Non-Participating	314248.18	327650.62	0:00	0	0:00	0	0:00	0
1486	Year-Round Residence	Non-Participating	314162.36	327635.89	0:00	0	0:00	0	0:00	0
1487	Year-Round Residence	Non-Participating	314002.12	327458.34	0:00	0	0:00	0	0:00	0
1488	Year-Round Residence	Non-Participating	313970.42	327505.32	0:00	0	0:00	0	0:00	0
1489	Year-Round Residence	Non-Participating	313980.93	327557.55	0:00	0	0:00	0	0:00	0
1490	Year-Round Residence	Non-Participating	313943.32	327914.61	0:00	0	0:00	0	0:00	0
1491	Year-Round Residence	Non-Participating	313932.71	327989.83	0:00	0	0:00	0	0:00	0
1493	Year-Round Residence	Non-Participating	313815.68	328474.02	0:00	0	0:00	0	0:00	0
1494	Year-Round Residence	Non-Participating	313721.93	328454.62	0:00	0	0:00	0	0:00	0
1496	Year-Round Residence	Non-Participating	313628.66	329025.75	0:00	0	0:00	0	0:00	0
1497	Year-Round Residence	Non-Participating	313697.09	329799.65	0:00	0	0:00	0	0:00	0
1498	Year-Round Residence	Non-Participating	313687.67	330025.45	0:00	0	0:00	0	0:00	0
1499	Year-Round Residence	Non-Participating	313601.18	330082.10	0:00	0	0:00	0	0:00	0
1500	Year-Round Residence	Non-Participating	313413.64	330010.49	0:00	0	0:00	0	0:00	0
1501	Year-Round Residence	Non-Participating	313829.25	330028.78	0:00	0	0:00	0	0:00	0
1502	Year-Round Residence	Non-Participating	313964.92	330096.38	0:00	0	0:00	0	0:00	0
1503	Year-Round Residence	Non-Participating	313999.76	330029.11	0:00	0	0:00	0	0:00	0
1504	Year-Round Residence	Non-Participating	314067.00	330034.76	0:00	0	0:00	0	0:00	0
1505	Year-Round Residence	Non-Participating	314035.46	330085.76	0:00	0	0:00	0	0:00	0
1506	Year-Round Residence	Non-Participating	314260.71	330096.96	0:00	0	0:00	0	0:00	0
1507	Year-Round Residence	Non-Participating	314285.14	330021.87	0:00	0	0:00	0	0:00	0
1508	Year-Round Residence	Non-Participating	314451.52	330019.85	0:00	0	0:00	0	0:00	0
1509	Year-Round Residence	Non-Participating	314533.04	330027.50	0:00	0	0:00	0	0:00	0
1511	Year-Round Residence	Non-Participating	314932.90	330000.03	0:00	0	0:00	0	0:00	0
1512	Year-Round Residence	Non-Participating	315001.78	330054.61	0:00	0	0:00	0	0:00	0
1513	Year-Round Residence	Non-Participating	314997.99	329999.36	0:00	0	0:00	0	0:00	0
1514	Year-Round Residence	Non-Participating	315010.48	329939.82	0:00	0	0:00	0	0:00	0
1515	Year-Round Residence	Non-Participating	315011.59	330199.68	0:00	0	0:00	0	0:00	0
1516	Year-Round Residence	Non-Participating	315009.83	330268.05	0:00	0	0:00	0	0:00	0
1517	Year-Round Residence	Non-Participating	314932.67	330460.58	0:00	0	0:00	0	0:00	0
1519	Year-Round Residence	Non-Participating	314939.30	330576.96	0:00	0	0:00	0	0:00	0
1520	Year-Round Residence	Non-Participating	315012.13	330682.81	0:00	0	0:49	49	0:49	49
1521	Year-Round Residence	Non-Participating	314910.30	331361.14	0:00	0	0:00	0	0:00	0
1522	Year-Round Residence	Non-Participating	314924.00	331425.38	0:00	0	0:00	0	0:00	0
1523	Year-Round Residence	Non-Participating	315051.38	331423.62	0:00	0	0:30	30	0:30	30

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1524	Year-Round Residence	Non-Participating	314916.10	331481.80	0:00	0	0:00	0	0:00	0
1525	Year-Round Residence	Non-Participating	314914.50	331550.79	0:00	0	0:00	0	0:00	0
1526	Year-Round Residence	Non-Participating	314979.50	331612.67	0:00	0	0:00	0	0:00	0
1528	Year-Round Residence	Non-Participating	315767.33	332047.04	0:00	0	4:10	250	4:10	250
1529	Year-Round Residence	Non-Participating	315835.06	332039.26	0:00	0	5:04	304	5:04	304
1530	Year-Round Residence	Non-Participating	315885.10	332053.75	0:00	0	6:02	362	6:02	362
1531	Year-Round Residence	Non-Participating	316179.66	332111.57	0:00	0	24:33	1473	24:33	1473
1532	Year-Round Residence	Non-Participating	316243.14	332049.68	0:00	0	6:18	378	6:18	378
1533	Year-Round Residence	Non-Participating	316965.40	332094.86	0:00	0	14:17	857	14:17	857
1534	Year-Round Residence	Non-Participating	316940.62	332517.63	0:00	0	38:28	2308	38:28	2308
1535	Year-Round Residence	Non-Participating	316948.80	332661.74	0:00	0	5:20	320	5:20	320
1536	Year-Round Residence	Non-Participating	317162.01	332007.60	0:00	0	4:42	282	4:42	282
1537	Year-Round Residence	Non-Participating	317303.94	331926.49	0:00	0	4:37	277	4:37	277
1538	Year-Round Residence	Non-Participating	317470.51	332078.34	0:00	0	3:56	236	3:56	236
1539	Year-Round Residence	Non-Participating	317531.49	332035.95	0:00	0	3:43	223	3:43	223
1540	Year-Round Residence	Non-Participating	315162.28	331387.59	0:00	0	1:41	101	1:41	101
1541	Year-Round Residence	Non-Participating	315242.14	331410.61	0:00	0	1:28	88	1:28	88
1542	Year-Round Residence	Non-Participating	315187.86	331505.88	0:00	0	4:03	243	4:03	243
1543	Year-Round Residence	Non-Participating	315555.89	331563.03	0:00	0	3:19	199	3:19	199
1544	Year-Round Residence	Non-Participating	315538.74	331503.09	0:00	0	3:54	234	3:54	234
1545	Year-Round Residence	Non-Participating	315916.58	331615.03	0:00	0	4:12	252	4:12	252
1546	Year-Round Residence	Non-Participating	316384.90	331774.75	0:00	0	4:54	294	4:54	294
1547	Year-Round Residence	Non-Participating	317251.00	331773.09	0:00	0	2:37	157	2:37	157
1548	Year-Round Residence	Non-Participating	317771.95	332376.33	0:00	0	25:27	1527	25:27	1527
1549	Year-Round Residence	Non-Participating	317928.99	332531.91	0:00	0	7:34	454	7:34	454
1550	Year-Round Residence	Non-Participating	317912.84	332517.00	0:00	0	8:12	492	8:12	492
1551	Year-Round Residence	Non-Participating	317956.75	332503.53	0:00	0	6:52	412	6:52	412
1552	Year-Round Residence	Non-Participating	318173.58	332579.80	0:00	0	3:03	183	3:03	183
1553	Year-Round Residence	Non-Participating	318198.75	332538.77	0:00	0	3:03	183	3:03	183
1554	Year-Round Residence	Non-Participating	318297.85	332645.62	0:00	0	2:11	131	2:11	131
1555	Year-Round Residence	Non-Participating	318392.60	332660.07	0:00	0	1:48	108	1:48	108
1556	Year-Round Residence	Non-Participating	318899.32	333078.03	0:00	0	0:26	26	0:26	26
1557	Year-Round Residence	Non-Participating	318618.06	333462.22	0:00	0	0:00	0	0:00	0
1558	Year-Round Residence	Non-Participating	318595.67	333526.37	0:00	0	0:00	0	0:00	0
1559	Year-Round Residence	Non-Participating	318651.84	333523.40	0:00	0	0:00	0	0:00	0
1561	Year-Round Residence	Non-Participating	318842.75	333517.28	0:00	0	0:00	0	0:00	0
1562	Year-Round Residence	Non-Participating	319036.75	333421.10	0:00	0	0:00	0	0:00	0
1563	Year-Round Residence	Non-Participating	319176.82	333363.00	0:00	0	0:00	0	0:00	0
1564	Year-Round Residence	Non-Participating	319207.68	333346.72	0:00	0	0:00	0	0:00	0
1565	Year-Round Residence	Non-Participating	319504.27	333413.13	0:00	0	0:00	0	0:00	0
1566	Year-Round Residence	Non-Participating	317506.43	333622.88	0:00	0	0:00	0	0:00	0
1567	Year-Round Residence	Non-Participating	317672.08	333519.27	0:00	0	0:00	0	0:00	0
1568	Year-Round Residence	Non-Participating	317946.98	333513.69	0:00	0	0:00	0	0:00	0
1569	Year-Round Residence	Non-Participating	318306.56	333526.46	0:00	0	0:00	0	0:00	0
1570	Year-Round Residence	Non-Participating	318962.92	333114.33	0:00	0	0:00	0	0:00	0
1571	Year-Round Residence	Non-Participating	318931.70	333010.16	0:00	0	0:28	28	0:28	28
1572	Year-Round Residence	Non-Participating	318945.85	332637.68	0:00	0	0:33	33	0:33	33
1573	Year-Round Residence	Non-Participating	318960.04	332427.90	0:00	0	0:35	35	0:35	35
1574	Year-Round Residence	Non-Participating	318870.32	332207.11	0:00	0	0:49	49	0:49	49
1575	Year-Round Residence	Non-Participating	318885.37	332111.27	0:00	0	0:52	52	0:52	52
1576	Year-Round Residence	Non-Participating	318938.14	332143.57	0:00	0	0:46	46	0:46	46
1577	Year-Round Residence	Non-Participating	318937.99	332085.30	0:00	0	0:48	48	0:48	48
1578	Year-Round Residence	Non-Participating	318876.04	331665.43	0:00	0	2:13	133	2:13	133

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind-Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind-Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1579	Year-Round Residence	Non-Participating	318317.00	331795.20	0:00	0	3:34	214	3:34	214
1580	Year-Round Residence	Non-Participating	318255.95	331816.99	0:00	0	4:28	268	4:28	268
1581	Year-Round Residence	Non-Participating	318142.94	331788.38	0:00	0	6:13	373	6:13	373
1582	Year-Round Residence	Non-Participating	318052.40	331754.82	0:00	0	3:32	212	3:32	212
1583	Year-Round Residence	Non-Participating	318019.80	331786.40	0:00	0	3:38	218	3:38	218
1584	Year-Round Residence	Non-Participating	316831.43	331217.22	0:00	0	27:46	1666	27:46	1666
1585	Year-Round Residence	Non-Participating	316859.36	331102.09	0:00	0	18:58	1138	18:58	1138
1586	Year-Round Residence	Non-Participating	316826.82	331047.66	0:00	0	24:59	1499	24:59	1499
1587	Year-Round Residence	Non-Participating	316853.49	330976.13	0:00	0	32:29	1949	32:29	1949
1588	Year-Round Residence	Non-Participating	316843.19	330708.39	0:00	0	42:27	2547	42:27	2547
1589	Year-Round Residence	Non-Participating	316836.94	330583.82	0:00	0	28:38	1718	28:38	1718
1590	Year-Round Residence	Non-Participating	316840.66	330247.46	0:00	0	23:10	1390	23:10	1390
1592	Year-Round Residence	Non-Participating	316349.09	330103.34	0:00	0	2:43	163	2:43	163
1593	Year-Round Residence	Non-Participating	316115.85	330155.12	0:00	0	5:10	310	5:10	310
1595	Year-Round Residence	Non-Participating	315914.84	330004.21	0:00	0	3:49	229	3:49	229
1597	Year-Round Residence	Non-Participating	315758.86	330108.47	0:00	0	1:46	106	1:46	106
1598	Year-Round Residence	Non-Participating	315584.07	330108.17	0:00	0	0:00	0	0:00	0
1599	Year-Round Residence	Non-Participating	315445.36	329967.59	0:00	0	0:00	0	0:00	0
1600	Year-Round Residence	Non-Participating	315282.32	330095.98	0:00	0	2:30	150	2:30	150
1601	Year-Round Residence	Non-Participating	317011.56	329803.88	2:58	178	0:00	0	2:58	178
1602	Year-Round Residence	Non-Participating	317146.67	329782.64	3:35	215	0:00	0	3:35	215
1603	Year-Round Residence	Non-Participating	316828.16	329278.93	2:56	176	0:00	0	2:56	176
1604	Year-Round Residence	Non-Participating	316840.36	329228.44	3:05	185	0:00	0	3:05	185
1605	Year-Round Residence	Non-Participating	316735.89	329005.06	3:04	184	0:00	0	3:04	184
1606	Year-Round Residence	Non-Participating	316605.59	328887.32	0:00	0	0:00	0	0:00	0
1607	Year-Round Residence	Non-Participating	316567.71	329033.05	0:00	0	0:00	0	0:00	0
1608	Year-Round Residence	Non-Participating	316733.74	328837.52	0:00	0	0:00	0	0:00	0
1609	Year-Round Residence	Non-Participating	316491.74	328744.02	0:00	0	0:00	0	0:00	0
1610	Year-Round Residence	Non-Participating	316233.99	328685.00	0:00	0	0:00	0	0:00	0
1611	Year-Round Residence	Non-Participating	316178.09	328571.86	0:00	0	0:00	0	0:00	0
1612	Year-Round Residence	Non-Participating	315960.19	328594.36	0:00	0	0:00	0	0:00	0
1613	Year-Round Residence	Non-Participating	315963.05	328457.18	0:00	0	0:00	0	0:00	0
1614	Year-Round Residence	Non-Participating	315874.56	328382.63	0:00	0	0:00	0	0:00	0
1615	Year-Round Residence	Non-Participating	315697.13	328351.49	3:30	210	0:00	0	3:30	210
1616	Year-Round Residence	Non-Participating	315375.61	328245.23	9:04	544	0:00	0	9:04	544
1617	Year-Round Residence	Non-Participating	315278.96	328192.26	10:08	608	0:00	0	10:08	608
1618	Year-Round Residence	Non-Participating	315323.62	328136.21	11:54	714	0:00	0	11:54	714
1619	Year-Round Residence	Non-Participating	314772.89	328334.16	2:57	177	0:00	0	2:57	177
1620	Year-Round Residence	Non-Participating	314771.79	328401.56	2:50	170	0:00	0	2:50	170
1621	Year-Round Residence	Non-Participating	314870.08	328530.03	3:05	185	0:00	0	3:05	185
1622	Year-Round Residence	Non-Participating	314833.81	328593.64	3:02	182	0:00	0	3:02	182
1623	Year-Round Residence	Non-Participating	315017.68	328719.70	3:56	236	0:00	0	3:56	236
1624	Year-Round Residence	Non-Participating	314971.61	329096.62	0:00	0	0:00	0	0:00	0
1625	Year-Round Residence	Non-Participating	314962.26	329064.08	0:00	0	0:00	0	0:00	0
1626	Year-Round Residence	Non-Participating	314959.08	329507.94	0:00	0	0:00	0	0:00	0
1628	Year-Round Residence	Non-Participating	315299.06	327572.50	25:55	1555	0:00	0	25:55	1555
1629	Year-Round Residence	Non-Participating	314688.18	327819.34	3:22	202	0:00	0	3:22	202
1630	Year-Round Residence	Non-Participating	315279.35	327360.23	4:46	286	0:00	0	4:46	286
1631	Year-Round Residence	Non-Participating	315302.45	327324.36	4:39	279	0:00	0	4:39	279
1632	Year-Round Residence	Non-Participating	315368.39	327208.25	5:46	346	0:00	0	5:46	346
1633	Year-Round Residence	Non-Participating	315741.37	326674.82	3:03	183	0:00	0	3:03	183
1634	Year-Round Residence	Non-Participating	315758.97	326633.30	3:11	191	0:00	0	3:11	191
1635	Year-Round Residence	Non-Participating	315772.80	326591.51	3:24	204	0:00	0	3:24	204

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1636	Year-Round Residence	Non-Participating	315695.63	326613.37	2:57	177	0:00	0	2:57	177
1637	Year-Round Residence	Non-Participating	315678.30	326616.04	2:54	174	0:00	0	2:54	174
1638	Year-Round Residence	Non-Participating	315657.74	326619.03	2:48	168	0:00	0	2:48	168
1639	Year-Round Residence	Non-Participating	315716.77	326577.99	3:08	188	0:00	0	3:08	188
1640	Year-Round Residence	Non-Participating	315693.92	326579.97	3:03	183	0:00	0	3:03	183
1641	Year-Round Residence	Non-Participating	315682.78	326584.02	2:57	177	0:00	0	2:57	177
1642	Year-Round Residence	Non-Participating	315663.69	326587.78	2:55	175	0:00	0	2:55	175
1643	Year-Round Residence	Non-Participating	315651.38	326588.65	2:51	171	0:00	0	2:51	171
1644	Year-Round Residence	Non-Participating	315596.87	326568.99	2:40	160	0:00	0	2:40	160
1645	Year-Round Residence	Non-Participating	315597.09	326577.37	2:40	160	0:00	0	2:40	160
1646	Year-Round Residence	Non-Participating	315433.80	326615.99	0:00	0	0:00	0	0:00	0
1647	Year-Round Residence	Non-Participating	315427.89	326556.77	0:00	0	0:00	0	0:00	0
1648	Year-Round Residence	Non-Participating	315349.91	326589.01	0:43	43	0:00	0	0:43	43
1649	Year-Round Residence	Non-Participating	315325.96	326678.06	8:15	495	0:00	0	8:15	495
1650	Year-Round Residence	Non-Participating	315276.32	326611.41	5:39	339	0:00	0	5:39	339
1651	Year-Round Residence	Non-Participating	314263.41	326916.90	0:00	0	0:00	0	0:00	0
1652	Year-Round Residence	Non-Participating	313731.52	326502.18	0:00	0	0:00	0	0:00	0
1653	Year-Round Residence	Non-Participating	313601.57	326286.56	0:00	0	0:00	0	0:00	0
1654	Year-Round Residence	Non-Participating	315726.55	326447.63	3:29	209	0:00	0	3:29	209
1655	Year-Round Residence	Non-Participating	315871.35	326483.86	6:44	404	0:00	0	6:44	404
1656	Year-Round Residence	Non-Participating	315807.96	326378.91	6:35	395	0:00	0	6:35	395
1657	Year-Round Residence	Non-Participating	315945.37	326471.62	7:38	458	0:00	0	7:38	458
1658	Year-Round Residence	Non-Participating	315838.17	326300.72	7:14	434	0:00	0	7:14	434
1659	Year-Round Residence	Non-Participating	315824.98	326142.57	8:29	509	0:00	0	8:29	509
1660	Year-Round Residence	Non-Participating	315822.14	326099.45	9:12	552	0:00	0	9:12	552
1661	Year-Round Residence	Non-Participating	315829.11	325983.55	12:32	752	0:00	0	12:32	752
1662	Year-Round Residence	Non-Participating	315221.49	325660.80	0:00	0	0:00	0	0:00	0
1664	Year-Round Residence	Non-Participating	315160.07	325457.00	0:00	0	0:00	0	0:00	0
1665	Year-Round Residence	Non-Participating	315013.30	324934.58	0:00	0	0:00	0	0:00	0
1666	Year-Round Residence	Non-Participating	314991.19	324894.13	0:00	0	0:00	0	0:00	0
1667	Year-Round Residence	Non-Participating	314971.97	324853.21	0:00	0	0:00	0	0:00	0
1668	Year-Round Residence	Non-Participating	315039.14	324819.01	0:00	0	0:00	0	0:00	0
1669	Year-Round Residence	Non-Participating	314926.03	324733.55	0:00	0	0:00	0	0:00	0
1670	Year-Round Residence	Non-Participating	314767.17	324612.80	0:00	0	0:00	0	0:00	0
1671	Year-Round Residence	Non-Participating	314799.68	324520.18	0:00	0	0:00	0	0:00	0
1672	Year-Round Residence	Non-Participating	314748.49	324460.80	0:00	0	0:00	0	0:00	0
1673	Year-Round Residence	Non-Participating	314691.46	324399.17	0:00	0	0:00	0	0:00	0
1674	Year-Round Residence	Non-Participating	314510.58	324333.51	0:00	0	0:00	0	0:00	0
1675	Year-Round Residence	Non-Participating	314269.84	324397.90	0:00	0	0:00	0	0:00	0
1676	Year-Round Residence	Non-Participating	314240.27	324405.93	0:00	0	0:00	0	0:00	0
1677	Year-Round Residence	Non-Participating	314056.62	324410.17	0:00	0	0:00	0	0:00	0
1678	Year-Round Residence	Non-Participating	314222.26	324511.01	0:00	0	0:00	0	0:00	0
1679	Year-Round Residence	Non-Participating	314274.06	324516.39	0:00	0	0:00	0	0:00	0
1680	Year-Round Residence	Non-Participating	314633.61	324304.10	0:00	0	0:00	0	0:00	0
1681	Year-Round Residence	Non-Participating	314602.82	324270.58	0:00	0	0:00	0	0:00	0
1682	Year-Round Residence	Non-Participating	314575.05	324230.68	0:00	0	0:00	0	0:00	0
1683	Year-Round Residence	Non-Participating	314625.83	324187.68	0:00	0	0:00	0	0:00	0
1684	Year-Round Residence	Non-Participating	314583.95	324119.20	0:00	0	0:00	0	0:00	0
1685	Year-Round Residence	Non-Participating	314524.04	324029.46	0:00	0	0:00	0	0:00	0
1686	Year-Round Residence	Non-Participating	314481.50	323983.54	0:00	0	0:00	0	0:00	0
1687	Year-Round Residence	Non-Participating	314450.66	323916.96	0:00	0	0:00	0	0:00	0
1688	Year-Round Residence	Non-Participating	314367.43	323817.94	0:00	0	0:00	0	0:00	0
1689	Year-Round Residence	Non-Participating	315365.02	324383.19	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1690	Year-Round Residence	Non-Participating	315412.98	324432.32	0:00	0	0:00	0	0:00	0
1691	Year-Round Residence	Non-Participating	315430.45	324375.28	0:00	0	0:00	0	0:00	0
1692	Year-Round Residence	Non-Participating	315460.78	324293.40	0:00	0	0:00	0	0:00	0
1693	Year-Round Residence	Non-Participating	315594.13	324295.05	0:00	0	0:00	0	0:00	0
1694	Year-Round Residence	Non-Participating	315602.89	324343.27	0:00	0	0:00	0	0:00	0
1695	Year-Round Residence	Non-Participating	315617.48	324293.47	0:00	0	0:00	0	0:00	0
1696	Year-Round Residence	Non-Participating	315624.16	324341.98	0:00	0	0:00	0	0:00	0
1697	Year-Round Residence	Non-Participating	315639.59	324270.81	0:00	0	0:00	0	0:00	0
1698	Year-Round Residence	Non-Participating	315651.04	324335.41	0:00	0	0:00	0	0:00	0
1699	Year-Round Residence	Non-Participating	315679.52	324274.01	0:00	0	0:00	0	0:00	0
1700	Year-Round Residence	Non-Participating	315709.83	324328.35	0:00	0	0:00	0	0:00	0
1701	Year-Round Residence	Non-Participating	315704.39	324277.34	0:00	0	0:00	0	0:00	0
1702	Year-Round Residence	Non-Participating	315746.02	324333.13	0:00	0	0:00	0	0:00	0
1703	Year-Round Residence	Non-Participating	315802.29	324325.21	0:00	0	0:00	0	0:00	0
1704	Year-Round Residence	Non-Participating	315813.57	324262.76	0:00	0	0:00	0	0:00	0
1705	Year-Round Residence	Non-Participating	315851.74	324236.03	0:00	0	0:00	0	0:00	0
1706	Year-Round Residence	Non-Participating	315850.02	324211.78	0:00	0	0:00	0	0:00	0
1707	Year-Round Residence	Non-Participating	315849.02	324162.25	0:00	0	0:00	0	0:00	0
1708	Year-Round Residence	Non-Participating	315896.66	324190.67	0:00	0	0:00	0	0:00	0
1709	Year-Round Residence	Non-Participating	315931.58	324232.39	0:00	0	0:00	0	0:00	0
1710	Year-Round Residence	Non-Participating	315896.38	324171.16	0:00	0	0:00	0	0:00	0
1711	Year-Round Residence	Non-Participating	315862.45	324072.91	0:00	0	0:00	0	0:00	0
1712	Year-Round Residence	Non-Participating	315944.78	324059.31	0:00	0	0:00	0	0:00	0
1713	Year-Round Residence	Non-Participating	315860.19	324026.74	0:00	0	0:00	0	0:00	0
1714	Year-Round Residence	Non-Participating	315862.60	323992.89	0:00	0	0:00	0	0:00	0
1715	Year-Round Residence	Non-Participating	315542.78	323513.41	0:00	0	0:00	0	0:00	0
1716	Year-Round Residence	Non-Participating	315597.57	323431.12	0:00	0	0:00	0	0:00	0
1717	Year-Round Residence	Non-Participating	315670.27	323093.86	0:00	0	0:00	0	0:00	0
1718	Year-Round Residence	Non-Participating	315648.80	322945.60	0:00	0	0:00	0	0:00	0
1719	Year-Round Residence	Non-Participating	315842.16	325777.59	3:39	219	0:00	0	3:39	219
1720	Year-Round Residence	Non-Participating	315845.20	325721.23	3:54	234	0:00	0	3:54	234
1721	Year-Round Residence	Non-Participating	315775.27	325591.65	0:00	0	0:00	0	0:00	0
1722	Year-Round Residence	Non-Participating	315905.96	325564.46	6:33	393	0:00	0	6:33	393
1723	Year-Round Residence	Non-Participating	315732.06	325525.52	0:00	0	0:00	0	0:00	0
1724	Year-Round Residence	Non-Participating	315878.92	325483.58	0:00	0	0:00	0	0:00	0
1725	Year-Round Residence	Non-Participating	315868.39	325417.13	0:00	0	0:00	0	0:00	0
1726	Year-Round Residence	Non-Participating	316130.17	325410.50	0:00	0	0:00	0	0:00	0
1727	Year-Round Residence	Non-Participating	315766.50	325318.78	0:00	0	0:00	0	0:00	0
1728	Year-Round Residence	Non-Participating	315806.40	325181.06	0:00	0	0:00	0	0:00	0
1729	Year-Round Residence	Non-Participating	315801.94	325131.88	0:00	0	0:00	0	0:00	0
1730	Year-Round Residence	Non-Participating	315806.15	325041.39	0:00	0	0:00	0	0:00	0
1731	Year-Round Residence	Non-Participating	315815.19	324943.54	0:00	0	0:00	0	0:00	0
1732	Year-Round Residence	Non-Participating	315815.20	324887.91	0:00	0	0:00	0	0:00	0
1733	Year-Round Residence	Non-Participating	315818.34	324846.31	0:00	0	0:00	0	0:00	0
1734	Year-Round Residence	Non-Participating	315887.03	324845.91	0:00	0	0:00	0	0:00	0
1735	Year-Round Residence	Non-Participating	315816.10	324807.31	0:00	0	0:00	0	0:00	0
1736	Year-Round Residence	Non-Participating	315816.17	324755.78	0:00	0	0:00	0	0:00	0
1737	Year-Round Residence	Non-Participating	315732.55	324738.14	0:00	0	0:00	0	0:00	0
1738	Year-Round Residence	Non-Participating	315877.87	324609.12	0:00	0	0:00	0	0:00	0
1739	Year-Round Residence	Non-Participating	315829.44	324568.36	0:00	0	0:00	0	0:00	0
1740	Year-Round Residence	Non-Participating	315883.82	324450.97	0:00	0	0:00	0	0:00	0
1741	Year-Round Residence	Non-Participating	315841.58	324436.57	0:00	0	0:00	0	0:00	0
1742	Year-Round Residence	Non-Participating	315880.49	324429.32	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1743	Year-Round Residence	Non-Participating	315883.13	324408.14	0:00	0	0:00	0	0:00	0
1744	Year-Round Residence	Non-Participating	315841.59	324410.78	0:00	0	0:00	0	0:00	0
1745	Year-Round Residence	Non-Participating	315831.70	324373.16	0:00	0	0:00	0	0:00	0
1746	Year-Round Residence	Non-Participating	315887.61	324312.05	0:00	0	0:00	0	0:00	0
1747	Year-Round Residence	Non-Participating	315964.98	324306.54	0:00	0	0:00	0	0:00	0
1748	Year-Round Residence	Non-Participating	315960.73	324246.22	0:00	0	0:00	0	0:00	0
1749	Year-Round Residence	Non-Participating	315984.47	324243.16	0:00	0	0:00	0	0:00	0
1750	Year-Round Residence	Non-Participating	316038.02	324236.70	0:00	0	0:00	0	0:00	0
1751	Year-Round Residence	Non-Participating	316043.00	324292.09	0:00	0	0:00	0	0:00	0
1752	Year-Round Residence	Non-Participating	316139.25	324272.01	0:00	0	0:00	0	0:00	0
1753	Year-Round Residence	Non-Participating	316124.18	324229.69	0:00	0	0:00	0	0:00	0
1754	Year-Round Residence	Non-Participating	316187.32	324280.52	0:00	0	0:00	0	0:00	0
1755	Year-Round Residence	Non-Participating	316379.75	324191.19	0:00	0	0:00	0	0:00	0
1756	Year-Round Residence	Non-Participating	316467.11	323971.00	0:00	0	0:00	0	0:00	0
1757	Year-Round Residence	Non-Participating	316575.48	324073.23	0:00	0	0:00	0	0:00	0
1758	Year-Round Residence	Non-Participating	316481.54	324164.10	0:00	0	0:00	0	0:00	0
1759	Year-Round Residence	Non-Participating	316426.56	324236.13	0:00	0	0:00	0	0:00	0
1760	Year-Round Residence	Non-Participating	316521.21	324219.68	0:00	0	0:00	0	0:00	0
1761	Year-Round Residence	Non-Participating	316644.90	324125.81	0:00	0	0:00	0	0:00	0
1762	Year-Round Residence	Non-Participating	316695.66	324182.45	0:00	0	0:00	0	0:00	0
1763	Year-Round Residence	Non-Participating	316723.51	324188.42	0:00	0	0:00	0	0:00	0
1764	Year-Round Residence	Non-Participating	316735.46	324071.49	0:00	0	0:00	0	0:00	0
1765	Year-Round Residence	Non-Participating	316796.47	324237.77	0:00	0	0:00	0	0:00	0
1766	Year-Round Residence	Non-Participating	316802.81	324064.25	0:00	0	0:00	0	0:00	0
1767	Year-Round Residence	Non-Participating	316863.12	324051.23	0:00	0	0:00	0	0:00	0
1768	Year-Round Residence	Non-Participating	317068.03	324050.95	0:00	0	0:00	0	0:00	0
1769	Year-Round Residence	Non-Participating	317430.63	323823.33	0:00	0	0:00	0	0:00	0
1770	Year-Round Residence	Non-Participating	317481.48	323770.75	0:00	0	0:00	0	0:00	0
1771	Year-Round Residence	Non-Participating	317546.74	323741.33	0:00	0	0:00	0	0:00	0
1772	Year-Round Residence	Non-Participating	317423.91	323571.88	0:00	0	0:00	0	0:00	0
1773	Year-Round Residence	Non-Participating	317330.81	323415.30	0:00	0	0:00	0	0:00	0
1774	Year-Round Residence	Non-Participating	317452.97	323385.73	0:00	0	0:00	0	0:00	0
1775	Year-Round Residence	Non-Participating	317498.61	323340.29	0:00	0	0:00	0	0:00	0
1776	Year-Round Residence	Non-Participating	317161.34	323168.95	0:00	0	0:00	0	0:00	0
1777	Year-Round Residence	Non-Participating	317050.07	322725.86	0:00	0	0:00	0	0:00	0
1778	Year-Round Residence	Non-Participating	317085.10	322808.85	0:00	0	0:00	0	0:00	0
1779	Year-Round Residence	Non-Participating	317705.39	322930.77	0:00	0	0:00	0	0:00	0
1780	Year-Round Residence	Non-Participating	317563.90	323943.84	0:00	0	0:00	0	0:00	0
1781	Year-Round Residence	Non-Participating	317636.47	324013.37	0:00	0	0:00	0	0:00	0
1782	Year-Round Residence	Non-Participating	317567.50	324213.55	0:00	0	0:00	0	0:00	0
1783	Year-Round Residence	Non-Participating	317491.75	324283.34	0:00	0	0:00	0	0:00	0
1784	Year-Round Residence	Non-Participating	317566.48	324309.98	0:00	0	0:00	0	0:00	0
1785	Year-Round Residence	Non-Participating	317615.75	324324.93	0:00	0	0:00	0	0:00	0
1786	Year-Round Residence	Non-Participating	317489.01	324433.14	0:00	0	0:00	0	0:00	0
1787	Year-Round Residence	Non-Participating	317580.75	324448.55	0:00	0	0:00	0	0:00	0
1788	Year-Round Residence	Non-Participating	317472.80	324504.39	0:00	0	0:00	0	0:00	0
1789	Year-Round Residence	Non-Participating	317435.62	324578.73	0:00	0	0:00	0	0:00	0
1790	Year-Round Residence	Non-Participating	317449.82	324652.68	0:00	0	0:00	0	0:00	0
1791	Year-Round Residence	Non-Participating	317220.56	324832.36	0:00	0	0:00	0	0:00	0
1792	Year-Round Residence	Non-Participating	317425.28	324868.07	0:00	0	0:00	0	0:00	0
1793	Year-Round Residence	Non-Participating	317494.76	324875.37	0:00	0	0:00	0	0:00	0
1794	Year-Round Residence	Non-Participating	317612.39	324867.71	0:00	0	0:00	0	0:00	0
1795	Year-Round Residence	Non-Participating	317751.18	324556.64	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1796	Year-Round Residence	Non-Participating	317938.00	324557.86	0:00	0	0:00	0	0:00	0
1797	Year-Round Residence	Non-Participating	318102.24	324824.90	0:00	0	0:00	0	0:00	0
1799	Year-Round Residence	Non-Participating	318267.87	324872.93	0:00	0	0:00	0	0:00	0
1800	Year-Round Residence	Non-Participating	318275.94	324464.32	0:00	0	0:00	0	0:00	0
1801	Year-Round Residence	Non-Participating	318377.05	324160.62	0:00	0	0:00	0	0:00	0
1802	Year-Round Residence	Non-Participating	318371.58	323909.72	0:00	0	0:00	0	0:00	0
1803	Year-Round Residence	Non-Participating	318280.25	323845.92	0:00	0	0:00	0	0:00	0
1804	Year-Round Residence	Non-Participating	318267.28	325124.24	0:00	0	0:00	0	0:00	0
1805	Year-Round Residence	Non-Participating	318215.04	325331.36	0:00	0	0:00	0	0:00	0
1806	Year-Round Residence	Non-Participating	318176.05	325484.16	0:00	0	0:00	0	0:00	0
1807	Year-Round Residence	Non-Participating	318175.38	325566.65	0:00	0	0:00	0	0:00	0
1808	Year-Round Residence	Non-Participating	318167.38	325617.34	0:00	0	0:00	0	0:00	0
1809	Year-Round Residence	Non-Participating	317952.09	326188.63	31:39	1899	0:00	0	31:39	1899
1810	Year-Round Residence	Non-Participating	317870.98	326376.84	39:16	2356	0:00	0	39:16	2356
1811	Year-Round Residence	Non-Participating	318028.58	326513.05	17:49	1069	0:00	0	17:49	1069
1812	Year-Round Residence	Non-Participating	317861.16	326565.00	33:33	2013	0:00	0	33:33	2013
1813	Year-Round Residence	Non-Participating	317954.94	326603.29	21:12	1272	0:00	0	21:12	1272
1814	Year-Round Residence	Non-Participating	317884.19	326712.01	19:48	1188	0:00	0	19:48	1188
1815	Year-Round Residence	Non-Participating	317784.56	326706.62	23:38	1418	0:00	0	23:38	1418
1816	Year-Round Residence	Non-Participating	317841.36	326803.41	13:38	818	0:00	0	13:38	818
1817	Year-Round Residence	Non-Participating	317775.27	326890.74	13:55	835	0:00	0	13:55	835
1818	Year-Round Residence	Non-Participating	317538.98	326863.36	31:50	1910	0:00	0	31:50	1910
1819	Year-Round Residence	Non-Participating	317637.37	326943.56	21:43	1303	0:00	0	21:43	1303
1820	Year-Round Residence	Non-Participating	317691.66	327012.44	16:51	1011	0:00	0	16:51	1011
1821	Year-Round Residence	Non-Participating	317665.11	327126.93	11:30	690	0:00	0	11:30	690
1822	Year-Round Residence	Non-Participating	317635.65	327185.22	8:00	480	0:00	0	8:00	480
1825	Year-Round Residence	Non-Participating	317579.77	327331.26	8:27	507	0:00	0	8:27	507
1826	Year-Round Residence	Non-Participating	317576.50	327491.43	12:55	775	0:00	0	12:55	775
1827	Year-Round Residence	Non-Participating	317636.48	327508.14	6:47	407	0:00	0	6:47	407
1828	Year-Round Residence	Non-Participating	317633.66	327536.18	14:05	845	0:00	0	14:05	845
1829	Year-Round Residence	Non-Participating	317585.61	327537.21	17:48	1068	0:00	0	17:48	1068
1830	Year-Round Residence	Non-Participating	317523.96	327616.10	29:03	1743	0:00	0	29:03	1743
1831	Year-Round Residence	Non-Participating	317300.80	327256.63	20:49	1249	0:00	0	20:49	1249
1832	Year-Round Residence	Non-Participating	317203.09	327364.27	33:09	1989	0:00	0	33:09	1989
1833	Year-Round Residence	Non-Participating	317149.87	327315.26	32:49	1969	0:00	0	32:49	1969
1834	Year-Round Residence	Non-Participating	317079.85	327285.09	31:55	1915	0:00	0	31:55	1915
1835	Year-Round Residence	Non-Participating	316840.21	327098.10	45:38	2738	0:00	0	45:38	2738
1836	Year-Round Residence	Non-Participating	316933.82	327084.00	45:35	2735	0:00	0	45:35	2735
1837	Year-Round Residence	Non-Participating	316884.39	327047.54	32:57	1977	0:00	0	32:57	1977
1838	Year-Round Residence	Non-Participating	316826.23	326999.13	18:13	1093	0:00	0	18:13	1093
1840	Year-Round Residence	Non-Participating	316398.61	326657.22	15:09	909	0:00	0	15:09	909
1841	Year-Round Residence	Non-Participating	316265.84	326629.64	11:52	712	0:00	0	11:52	712
1842	Year-Round Residence	Non-Participating	316196.14	326473.24	11:56	716	0:00	0	11:56	716
1843	Year-Round Residence	Non-Participating	316135.62	326486.33	10:32	632	0:00	0	10:32	632
1844	Year-Round Residence	Non-Participating	316097.57	326466.61	9:55	595	0:00	0	9:55	595
1845	Year-Round Residence	Non-Participating	316869.29	327483.59	42:57	2577	0:00	0	42:57	2577
1846	Year-Round Residence	Non-Participating	316867.91	327577.62	46:04	2764	0:00	0	46:04	2764
1847	Year-Round Residence	Non-Participating	316729.64	327608.64	47:32	2852	0:00	0	47:32	2852
1848	Year-Round Residence	Non-Participating	316860.53	327661.08	32:03	1923	0:00	0	32:03	1923
1849	Year-Round Residence	Non-Participating	316800.48	327847.08	12:23	743	0:00	0	12:23	743
1850	Year-Round Residence	Non-Participating	316720.79	327878.23	14:36	876	0:00	0	14:36	876
1851	Year-Round Residence	Non-Participating	316725.04	327941.87	12:43	763	0:00	0	12:43	763
1852	Year-Round Residence	Non-Participating	316797.72	327929.84	10:45	645	0:00	0	10:45	645

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1853	Year-Round Residence	Non-Participating	316791.30	328033.28	9:33	573	0:00	0	9:33	573
1855	Year-Round Residence	Non-Participating	316793.25	328400.12	11:27	687	0:00	0	11:27	687
1856	Year-Round Residence	Non-Participating	316791.15	328458.33	9:19	559	0:00	0	9:19	559
1857	Year-Round Residence	Non-Participating	316791.53	328497.47	7:41	461	0:00	0	7:41	461
1858	Year-Round Residence	Non-Participating	316936.56	328566.79	16:57	1017	0:00	0	16:57	1017
1859	Year-Round Residence	Non-Participating	316784.42	328783.87	6:23	383	0:00	0	6:23	383
1860	Year-Round Residence	Non-Participating	316985.76	329043.34	7:22	442	0:00	0	7:22	442
1861	Year-Round Residence	Non-Participating	316964.17	329117.95	6:49	409	0:00	0	6:49	409
1862	Year-Round Residence	Non-Participating	317027.80	329217.38	7:08	428	0:00	0	7:08	428
1863	Year-Round Residence	Non-Participating	317121.04	329124.55	8:43	523	0:00	0	8:43	523
1864	Year-Round Residence	Non-Participating	317119.50	329207.05	8:14	494	0:00	0	8:14	494
1865	Year-Round Residence	Non-Participating	317149.31	329146.05	9:03	543	0:00	0	9:03	543
1866	Year-Round Residence	Non-Participating	317277.95	329358.71	9:55	595	0:00	0	9:55	595
1867	Year-Round Residence	Non-Participating	317297.54	329233.89	10:59	659	0:00	0	10:59	659
1868	Year-Round Residence	Non-Participating	317365.64	329241.46	12:29	749	0:00	0	12:29	749
1870	Year-Round Residence	Non-Participating	317528.33	329143.42	22:03	1323	0:00	0	22:03	1323
1871	Year-Round Residence	Non-Participating	317729.48	328627.04	26:43	1603	0:00	0	26:43	1603
1872	Year-Round Residence	Non-Participating	317663.68	327687.36	32:23	1943	0:00	0	32:23	1943
1874	Year-Round Residence	Non-Participating	317795.94	327720.97	33:44	2024	0:00	0	33:44	2024
1876	Year-Round Residence	Non-Participating	317788.11	327773.05	42:28	2548	0:00	0	42:28	2548
1877	Year-Round Residence	Non-Participating	317873.20	327868.11	46:28	2788	0:00	0	46:28	2788
1878	Year-Round Residence	Non-Participating	317875.16	327765.14	42:10	2530	0:00	0	42:10	2530
1880	Year-Round Residence	Non-Participating	318181.54	329665.21	12:28	748	0:00	0	12:28	748
1881	Year-Round Residence	Non-Participating	318246.14	329677.09	11:00	660	0:00	0	11:00	660
1882	Year-Round Residence	Non-Participating	318341.11	329689.11	8:39	519	1:16	76	9:53	593
1883	Year-Round Residence	Non-Participating	318451.05	329711.83	6:34	394	1:20	80	7:50	470
1884	Year-Round Residence	Non-Participating	318947.05	329703.38	7:10	430	0:00	0	7:10	430
1885	Year-Round Residence	Non-Participating	319021.18	329701.88	6:07	367	0:00	0	6:07	367
1886	Year-Round Residence	Non-Participating	319089.32	329472.21	12:26	746	0:00	0	12:26	746
1887	Year-Round Residence	Non-Participating	319497.08	329612.15	6:28	388	0:00	0	6:28	388
1888	Year-Round Residence	Non-Participating	319629.55	329510.39	10:09	609	0:00	0	10:09	609
1889	Year-Round Residence	Non-Participating	319725.06	329477.24	10:50	650	0:00	0	10:50	650
1890	Year-Round Residence	Non-Participating	319926.16	329496.33	8:00	480	0:00	0	8:00	480
1891	Year-Round Residence	Non-Participating	320012.36	329120.81	10:17	617	0:00	0	10:17	617
1892	Year-Round Residence	Non-Participating	320033.24	328805.43	16:00	960	0:00	0	16:00	960
1893	Year-Round Residence	Non-Participating	320024.26	328665.82	28:25	1705	0:00	0	28:25	1705
1894	Year-Round Residence	Non-Participating	320027.37	328482.27	22:21	1341	0:00	0	22:21	1341
1895	Year-Round Residence	Non-Participating	319948.26	328511.28	21:57	1317	0:00	0	21:57	1317
1896	Year-Round Residence	Non-Participating	319856.01	328167.37	19:39	1179	0:00	0	19:39	1179
1897	Year-Round Residence	Non-Participating	319792.29	328291.44	26:16	1576	0:00	0	26:16	1576
1898	Year-Round Residence	Non-Participating	319929.38	328013.01	20:16	1216	0:00	0	20:16	1216
1899	Year-Round Residence	Non-Participating	320033.46	327691.83	20:58	1258	0:00	0	20:58	1258
1901	Year-Round Residence	Non-Participating	319781.73	327276.44	14:03	843	0:00	0	14:03	843
1902	Year-Round Residence	Non-Participating	319178.04	327068.60	3:18	198	0:00	0	3:18	198
1903	Year-Round Residence	Non-Participating	318390.70	327291.22	2:00	120	0:00	0	2:00	120
1904	Year-Round Residence	Non-Participating	318411.16	327046.82	3:59	239	0:00	0	3:59	239
1905	Year-Round Residence	Non-Participating	318337.74	327121.60	2:28	148	0:00	0	2:28	148
1906	Year-Round Residence	Non-Participating	318198.61	327257.05	9:23	563	0:00	0	9:23	563
1907	Year-Round Residence	Non-Participating	318148.59	327089.71	3:47	227	0:00	0	3:47	227
1908	Year-Round Residence	Non-Participating	317946.93	327044.15	8:38	518	0:00	0	8:38	518
1909	Year-Round Residence	Non-Participating	317946.40	327282.03	17:00	1020	0:00	0	17:00	1020
1910	Year-Round Residence	Non-Participating	317869.78	327340.63	10:13	613	0:00	0	10:13	613
1911	Year-Round Residence	Non-Participating	317799.76	327315.89	9:35	575	0:00	0	9:35	575

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1912	Year-Round Residence	Non-Participating	317869.60	327226.91	17:33	1053	0:00	0	17:33	1053
1913	Year-Round Residence	Non-Participating	317829.82	327219.15	17:06	1026	0:00	0	17:06	1026
1914	Year-Round Residence	Non-Participating	317756.82	327231.65	7:13	433	0:00	0	7:13	433
1915	Year-Round Residence	Non-Participating	317743.67	327305.40	8:44	524	0:00	0	8:44	524
1916	Year-Round Residence	Non-Participating	317683.63	327237.29	6:00	360	0:00	0	6:00	360
1917	Year-Round Residence	Non-Participating	317707.23	327306.74	3:24	204	0:00	0	3:24	204
1918	Year-Round Residence	Non-Participating	320124.53	329458.58	4:24	264	0:00	0	4:24	264
1919	Year-Round Residence	Non-Participating	320852.22	329384.76	0:00	0	0:00	0	0:00	0
1920	Year-Round Residence	Non-Participating	321019.26	329364.73	0:00	0	0:00	0	0:00	0
1921	Year-Round Residence	Non-Participating	320693.38	329797.81	0:00	0	0:00	0	0:00	0
1922	Year-Round Residence	Non-Participating	320840.02	330064.80	0:00	0	0:00	0	0:00	0
1925	Year-Round Residence	Non-Participating	320502.63	330995.88	0:00	0	0:32	32	0:32	32
1926	Year-Round Residence	Non-Participating	320494.89	331070.28	0:00	0	0:30	30	0:30	30
1927	Year-Round Residence	Non-Participating	320546.04	331069.27	0:00	0	0:00	0	0:00	0
1928	Year-Round Residence	Non-Participating	320656.68	331134.13	0:00	0	0:00	0	0:00	0
1929	Year-Round Residence	Non-Participating	320751.78	331120.19	0:00	0	0:00	0	0:00	0
1930	Year-Round Residence	Non-Participating	320742.55	331178.41	0:00	0	0:00	0	0:00	0
1931	Year-Round Residence	Non-Participating	320738.64	331254.87	0:00	0	0:00	0	0:00	0
1932	Year-Round Residence	Non-Participating	320557.17	331310.52	0:00	0	0:00	0	0:00	0
1933	Year-Round Residence	Non-Participating	320622.74	331391.87	0:00	0	0:00	0	0:00	0
1934	Year-Round Residence	Non-Participating	320505.64	331353.62	0:00	0	0:00	0	0:00	0
1935	Year-Round Residence	Non-Participating	320246.45	331424.44	0:00	0	1:11	71	1:11	71
1936	Year-Round Residence	Non-Participating	320299.96	331389.93	0:00	0	1:06	66	1:06	66
1937	Year-Round Residence	Non-Participating	320362.01	331252.76	0:00	0	1:07	67	1:07	67
1938	Year-Round Residence	Non-Participating	320389.31	331187.74	0:00	0	1:08	68	1:08	68
1939	Year-Round Residence	Non-Participating	320409.70	331132.71	0:00	0	0:33	33	0:33	33
1940	Year-Round Residence	Non-Participating	320100.52	331425.22	0:00	0	1:25	85	1:25	85
1941	Year-Round Residence	Non-Participating	319967.59	331517.94	0:00	0	1:38	98	1:38	98
1942	Year-Round Residence	Non-Participating	319870.45	331486.22	0:00	0	1:58	118	1:58	118
1943	Year-Round Residence	Non-Participating	318954.49	330094.34	2:19	139	0:00	0	2:19	139
1944	Year-Round Residence	Non-Participating	319771.45	331408.73	0:00	0	2:31	151	2:31	151
1945	Year-Round Residence	Non-Participating	319777.39	331483.12	0:00	0	2:15	135	2:15	135
1946	Year-Round Residence	Non-Participating	319627.52	331504.82	0:00	0	2:59	179	2:59	179
1947	Year-Round Residence	Non-Participating	319467.80	331448.89	0:00	0	4:47	287	4:47	287
1948	Year-Round Residence	Non-Participating	319223.49	331298.24	0:00	0	15:00	900	15:00	900
1949	Year-Round Residence	Non-Participating	319301.31	331553.68	0:00	0	3:12	192	3:12	192
1950	Year-Round Residence	Non-Participating	319124.00	331598.92	0:00	0	6:24	384	6:24	384
1952	Year-Round Residence	Non-Participating	320322.13	331755.08	0:00	0	0:25	25	0:25	25
1953	Year-Round Residence	Non-Participating	320234.27	331758.22	0:00	0	0:57	57	0:57	57
1954	Year-Round Residence	Non-Participating	320290.86	331793.82	0:00	0	0:54	54	0:54	54
1955	Year-Round Residence	Non-Participating	320260.54	331835.74	0:00	0	0:57	57	0:57	57
1956	Year-Round Residence	Non-Participating	320182.78	332025.79	0:00	0	0:26	26	0:26	26
1957	Year-Round Residence	Non-Participating	320087.46	331982.84	0:00	0	1:37	97	1:37	97
1958	Year-Round Residence	Non-Participating	319939.94	332260.59	0:00	0	0:01	1	0:01	1
1959	Year-Round Residence	Non-Participating	319955.83	332445.74	0:00	0	0:00	0	0:00	0
1960	Year-Round Residence	Non-Participating	319943.67	332519.92	0:00	0	0:00	0	0:00	0
1961	Year-Round Residence	Non-Participating	319917.99	332725.64	0:00	0	0:00	0	0:00	0
1962	Year-Round Residence	Non-Participating	319680.28	332955.45	0:00	0	0:00	0	0:00	0
1963	Year-Round Residence	Non-Participating	319808.54	333039.04	0:00	0	0:00	0	0:00	0
1964	Year-Round Residence	Non-Participating	319754.04	333233.44	0:00	0	0:00	0	0:00	0
1965	Year-Round Residence	Non-Participating	321044.74	331018.96	0:00	0	0:00	0	0:00	0
1966	Year-Round Residence	Non-Participating	321110.27	330698.26	0:00	0	0:00	0	0:00	0
1967	Year-Round Residence	Non-Participating	321062.15	329291.96	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1968	Year-Round Residence	Non-Participating	321604.79	329490.49	0:00	0	0:00	0	0:00	0
1969	Year-Round Residence	Non-Participating	321991.65	329235.55	0:00	0	0:00	0	0:00	0
1970	Year-Round Residence	Non-Participating	322095.64	329270.80	0:00	0	0:00	0	0:00	0
1971	Year-Round Residence	Non-Participating	322345.93	329324.04	0:00	0	0:00	0	0:00	0
1973	Year-Round Residence	Non-Participating	323140.55	329331.31	0:00	0	0:00	0	0:00	0
1974	Year-Round Residence	Non-Participating	322337.86	330609.00	0:00	0	0:00	0	0:00	0
1975	Year-Round Residence	Non-Participating	322438.15	330529.46	0:00	0	0:00	0	0:00	0
1976	Year-Round Residence	Non-Participating	322830.42	330295.43	0:00	0	0:00	0	0:00	0
1977	Year-Round Residence	Non-Participating	322911.46	330240.03	0:00	0	0:00	0	0:00	0
1978	Year-Round Residence	Non-Participating	322402.91	331347.48	0:00	0	0:00	0	0:00	0
1979	Year-Round Residence	Non-Participating	322646.48	330806.88	0:00	0	0:00	0	0:00	0
1980	Year-Round Residence	Non-Participating	322971.22	330121.00	0:00	0	0:00	0	0:00	0
1981	Year-Round Residence	Non-Participating	322990.60	330073.44	0:00	0	0:00	0	0:00	0
1982	Year-Round Residence	Non-Participating	323046.33	330107.88	0:00	0	0:00	0	0:00	0
1983	Year-Round Residence	Non-Participating	323013.22	330038.99	0:00	0	0:00	0	0:00	0
1984	Year-Round Residence	Non-Participating	323089.43	330007.66	0:00	0	0:00	0	0:00	0
1985	Year-Round Residence	Non-Participating	323038.98	329893.28	0:00	0	0:00	0	0:00	0
1986	Year-Round Residence	Non-Participating	323048.63	329831.63	0:00	0	0:00	0	0:00	0
1988	Year-Round Residence	Non-Participating	323044.55	329788.37	0:00	0	0:00	0	0:00	0
1989	Year-Round Residence	Non-Participating	323098.51	329777.92	0:00	0	0:00	0	0:00	0
1990	Year-Round Residence	Non-Participating	323098.81	329800.61	0:00	0	0:00	0	0:00	0
1991	Year-Round Residence	Non-Participating	323098.93	329757.70	0:00	0	0:00	0	0:00	0
1992	Year-Round Residence	Non-Participating	323098.62	329734.54	0:00	0	0:00	0	0:00	0
1993	Year-Round Residence	Non-Participating	323057.16	329698.73	0:00	0	0:00	0	0:00	0
1994	Year-Round Residence	Non-Participating	323097.45	329706.61	0:00	0	0:00	0	0:00	0
1995	Year-Round Residence	Non-Participating	323061.52	329676.64	0:00	0	0:00	0	0:00	0
1996	Year-Round Residence	Non-Participating	323001.07	329692.19	0:00	0	0:00	0	0:00	0
1997	Year-Round Residence	Non-Participating	323168.84	329641.36	0:00	0	0:00	0	0:00	0
1998	Year-Round Residence	Non-Participating	323204.77	329680.98	0:00	0	0:00	0	0:00	0
1999	Year-Round Residence	Non-Participating	323285.01	329649.34	0:00	0	0:00	0	0:00	0
2000	Year-Round Residence	Non-Participating	323343.99	329646.16	0:00	0	0:00	0	0:00	0
2001	Year-Round Residence	Non-Participating	323446.26	329798.06	0:00	0	0:00	0	0:00	0
2002	Year-Round Residence	Non-Participating	323436.28	329699.95	0:00	0	0:00	0	0:00	0
2003	Year-Round Residence	Non-Participating	323520.97	329667.54	0:00	0	0:00	0	0:00	0
2004	Year-Round Residence	Non-Participating	323551.24	329660.41	0:00	0	0:00	0	0:00	0
2005	Year-Round Residence	Non-Participating	323552.56	329729.38	0:00	0	0:00	0	0:00	0
2006	Year-Round Residence	Non-Participating	323661.47	329732.64	0:00	0	0:00	0	0:00	0
2007	Year-Round Residence	Non-Participating	323541.12	329747.38	0:00	0	0:00	0	0:00	0
2008	Year-Round Residence	Non-Participating	323502.81	329730.28	0:00	0	0:00	0	0:00	0
2009	Year-Round Residence	Non-Participating	323489.94	329752.11	0:00	0	0:00	0	0:00	0
2010	Year-Round Residence	Non-Participating	323478.29	329763.67	0:00	0	0:00	0	0:00	0
2011	Year-Round Residence	Non-Participating	323521.54	329793.36	0:00	0	0:00	0	0:00	0
2012	Year-Round Residence	Non-Participating	323480.35	329837.11	0:00	0	0:00	0	0:00	0
2013	Year-Round Residence	Non-Participating	323429.46	329815.68	0:00	0	0:00	0	0:00	0
2014	Year-Round Residence	Non-Participating	323471.50	329852.79	0:00	0	0:00	0	0:00	0
2015	Year-Round Residence	Non-Participating	323455.62	329869.03	0:00	0	0:00	0	0:00	0
2016	Year-Round Residence	Non-Participating	323388.92	329877.26	0:00	0	0:00	0	0:00	0
2018	Year-Round Residence	Non-Participating	323327.39	329873.39	0:00	0	0:00	0	0:00	0
2019	Year-Round Residence	Non-Participating	323305.54	329869.32	0:00	0	0:00	0	0:00	0
2020	Year-Round Residence	Non-Participating	323271.91	329862.88	0:00	0	0:00	0	0:00	0
2021	Year-Round Residence	Non-Participating	323235.82	329860.65	0:00	0	0:00	0	0:00	0
2022	Year-Round Residence	Non-Participating	323212.27	329863.13	0:00	0	0:00	0	0:00	0
2023	Year-Round Residence	Non-Participating	323188.25	329861.84	0:00	0	0:00	0	0:00	0

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Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind-Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind-Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
2024	Year-Round Residence	Non-Participating	323169.33	329859.30	0:00	0	0:00	0	0:00	0
2026	Year-Round Residence	Non-Participating	323129.00	329851.50	0:00	0	0:00	0	0:00	0
2027	Year-Round Residence	Non-Participating	323195.85	330142.86	0:00	0	0:00	0	0:00	0
2028	Year-Round Residence	Non-Participating	323192.23	329944.48	0:00	0	0:00	0	0:00	0
2029	Year-Round Residence	Non-Participating	323250.42	329945.42	0:00	0	0:00	0	0:00	0
2030	Year-Round Residence	Non-Participating	323361.84	329958.33	0:00	0	0:00	0	0:00	0
2031	Year-Round Residence	Non-Participating	323377.10	329960.54	0:00	0	0:00	0	0:00	0
2032	Year-Round Residence	Non-Participating	323423.11	329981.99	0:00	0	0:00	0	0:00	0
2033	Year-Round Residence	Non-Participating	323450.27	329972.73	0:00	0	0:00	0	0:00	0
2034	Year-Round Residence	Non-Participating	323448.22	330009.65	0:00	0	0:00	0	0:00	0
2036	Year-Round Residence	Non-Participating	323461.82	330091.10	0:00	0	0:00	0	0:00	0
2037	Year-Round Residence	Non-Participating	323514.46	330105.31	0:00	0	0:00	0	0:00	0
2038	Year-Round Residence	Non-Participating	323840.31	330051.41	0:00	0	0:00	0	0:00	0
2039	Year-Round Residence	Non-Participating	323976.39	329712.62	0:00	0	0:00	0	0:00	0
2040	Year-Round Residence	Non-Participating	324094.69	329705.97	0:00	0	0:00	0	0:00	0
2041	Year-Round Residence	Non-Participating	324508.72	329582.97	0:00	0	0:00	0	0:00	0
2042	Year-Round Residence	Non-Participating	325662.81	328685.59	0:00	0	0:00	0	0:00	0
2043	Year-Round Residence	Non-Participating	325637.47	328582.74	0:00	0	0:00	0	0:00	0
2044	Year-Round Residence	Non-Participating	323606.55	329565.65	0:00	0	0:00	0	0:00	0
2045	Year-Round Residence	Non-Participating	323750.82	329486.04	0:00	0	0:00	0	0:00	0
2046	Year-Round Residence	Non-Participating	323785.51	329427.18	0:00	0	0:00	0	0:00	0
2047	Year-Round Residence	Non-Participating	323726.91	329400.83	0:00	0	0:00	0	0:00	0
2048	Year-Round Residence	Non-Participating	323854.12	329321.57	0:00	0	0:00	0	0:00	0
2049	Year-Round Residence	Non-Participating	323930.17	329231.44	0:00	0	0:00	0	0:00	0
2050	Year-Round Residence	Non-Participating	324042.19	328949.93	0:00	0	0:00	0	0:00	0
2051	Year-Round Residence	Non-Participating	324169.58	328941.98	0:00	0	0:00	0	0:00	0
2052	Year-Round Residence	Non-Participating	324146.40	328860.65	0:00	0	0:00	0	0:00	0
2053	Year-Round Residence	Non-Participating	324682.51	328443.76	0:00	0	0:00	0	0:00	0
2054	Year-Round Residence	Non-Participating	324061.24	328138.99	0:00	0	0:00	0	0:00	0
2055	Year-Round Residence	Non-Participating	323948.76	328147.07	0:00	0	0:00	0	0:00	0
2056	Year-Round Residence	Non-Participating	323899.57	328071.17	0:00	0	0:00	0	0:00	0
2057	Year-Round Residence	Non-Participating	323839.41	328147.27	0:00	0	0:00	0	0:00	0
2058	Year-Round Residence	Non-Participating	323658.96	328113.73	0:00	0	0:00	0	0:00	0
2059	Year-Round Residence	Non-Participating	323694.86	328049.76	0:00	0	0:00	0	0:00	0
2060	Year-Round Residence	Non-Participating	323584.06	327984.86	0:00	0	0:00	0	0:00	0
2061	Year-Round Residence	Non-Participating	323457.51	328049.05	0:00	0	0:00	0	0:00	0
2062	Year-Round Residence	Non-Participating	323401.85	328034.31	0:00	0	0:00	0	0:00	0
2063	Year-Round Residence	Non-Participating	323383.12	328259.19	0:00	0	0:00	0	0:00	0
2064	Year-Round Residence	Non-Participating	323407.67	328178.71	0:00	0	0:00	0	0:00	0
2065	Year-Round Residence	Non-Participating	323334.22	328172.95	0:00	0	0:00	0	0:00	0
2066	Year-Round Residence	Non-Participating	323255.59	328317.30	0:00	0	0:00	0	0:00	0
2067	Year-Round Residence	Non-Participating	323367.72	328105.58	0:00	0	0:00	0	0:00	0
2068	Year-Round Residence	Non-Participating	323348.86	328314.75	0:00	0	0:00	0	0:00	0
2069	Year-Round Residence	Non-Participating	323365.81	328452.78	0:00	0	0:00	0	0:00	0
2071	Year-Round Residence	Non-Participating	323074.41	328800.53	0:00	0	0:00	0	0:00	0
2072	Year-Round Residence	Non-Participating	323018.19	329333.57	0:00	0	0:00	0	0:00	0
2073	Year-Round Residence	Non-Participating	323126.84	328452.34	0:00	0	0:00	0	0:00	0
2074	Year-Round Residence	Non-Participating	323083.97	328367.94	0:00	0	0:00	0	0:00	0
2075	Year-Round Residence	Non-Participating	322991.47	328245.18	0:00	0	0:00	0	0:00	0
2076	Year-Round Residence	Non-Participating	322768.02	328103.89	0:00	0	0:00	0	0:00	0
2077	Year-Round Residence	Non-Participating	322467.02	327568.43	2:05	125	0:00	0	2:05	125
2078	Year-Round Residence	Non-Participating	322707.64	327206.33	19:39	1179	0:00	0	19:39	1179
2079	Year-Round Residence	Non-Participating	322777.42	327105.61	21:14	1274	0:00	0	21:14	1274

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
2080	Year-Round Residence	Non-Participating	322496.52	327052.38	19:40	1180	0:00	0	19:40	1180
2081	Year-Round Residence	Non-Participating	322573.49	326898.05	19:51	1191	0:00	0	19:51	1191
2082	Year-Round Residence	Non-Participating	322567.06	326840.98	21:14	1274	0:00	0	21:14	1274
2084	Year-Round Residence	Non-Participating	322592.59	326689.96	33:32	2012	0:00	0	33:32	2012
2085	Year-Round Residence	Non-Participating	322612.52	326636.84	39:41	2381	0:00	0	39:41	2381
2087	Year-Round Residence	Non-Participating	320969.30	328928.06	0:00	0	0:00	0	0:00	0
2088	Year-Round Residence	Non-Participating	320913.27	328673.84	0:00	0	0:00	0	0:00	0
2089	Year-Round Residence	Non-Participating	320917.43	328713.54	0:00	0	0:00	0	0:00	0
2090	Year-Round Residence	Non-Participating	321018.22	328480.66	0:00	0	0:00	0	0:00	0
2091	Year-Round Residence	Non-Participating	320734.52	328209.08	2:15	135	0:00	0	2:15	135
2092	Year-Round Residence	Non-Participating	320863.84	327734.75	0:00	0	0:00	0	0:00	0
2093	Year-Round Residence	Non-Participating	320865.80	327648.28	1:06	66	0:00	0	1:06	66
2094	Year-Round Residence	Non-Participating	320911.57	327443.86	13:07	787	0:00	0	13:07	787
2095	Year-Round Residence	Non-Participating	321231.57	327396.28	8:01	481	0:00	0	8:01	481
2096	Year-Round Residence	Non-Participating	321281.06	327432.34	5:14	314	0:00	0	5:14	314
2097	Year-Round Residence	Non-Participating	321305.49	327439.75	4:27	267	0:00	0	4:27	267
2098	Year-Round Residence	Non-Participating	321472.45	327560.64	2:24	144	0:00	0	2:24	144
2099	Year-Round Residence	Non-Participating	321845.99	327638.43	0:00	0	0:00	0	0:00	0
2100	Year-Round Residence	Non-Participating	321663.33	327576.76	0:00	0	0:00	0	0:00	0
2101	Year-Round Residence	Non-Participating	321949.54	327582.40	0:00	0	0:00	0	0:00	0
2103	Year-Round Residence	Non-Participating	321101.11	327013.69	20:19	1219	0:00	0	20:19	1219
2105	Year-Round Residence	Non-Participating	321022.08	326632.06	31:16	1876	0:00	0	31:16	1876
2106	Year-Round Residence	Non-Participating	321088.81	326528.24	38:07	2287	0:00	0	38:07	2287
2108	Year-Round Residence	Non-Participating	321029.12	326173.07	24:11	1451	0:00	0	24:11	1451
2109	Year-Round Residence	Non-Participating	321023.32	326056.07	15:16	916	0:00	0	15:16	916
2110	Year-Round Residence	Non-Participating	321235.28	325875.73	19:56	1196	0:00	0	19:56	1196
2111	Year-Round Residence	Non-Participating	320566.39	326039.10	28:55	1735	0:00	0	28:55	1735
2112	Year-Round Residence	Non-Participating	320670.77	325947.15	25:23	1523	0:00	0	25:23	1523
2113	Year-Round Residence	Non-Participating	320801.03	326107.49	27:21	1641	0:00	0	27:21	1641
2114	Year-Round Residence	Non-Participating	320855.37	326109.39	26:12	1572	0:00	0	26:12	1572
2116	Year-Round Residence	Non-Participating	321181.58	325502.12	0:00	0	0:00	0	0:00	0
2117	Year-Round Residence	Non-Participating	321494.75	325447.42	0:00	0	0:00	0	0:00	0
2118	Year-Round Residence	Non-Participating	322261.33	325265.68	0:00	0	0:00	0	0:00	0
2119	Year-Round Residence	Non-Participating	320754.16	325409.48	11:45	705	0:00	0	11:45	705
2120	Year-Round Residence	Non-Participating	320611.79	325266.40	2:34	154	0:00	0	2:34	154
2121	Year-Round Residence	Non-Participating	320235.73	325197.65	0:00	0	0:00	0	0:00	0
2122	Year-Round Residence	Non-Participating	320001.27	325159.85	0:00	0	0:00	0	0:00	0
2124	Year-Round Residence	Non-Participating	319855.37	324982.19	0:00	0	0:00	0	0:00	0
2125	Year-Round Residence	Non-Participating	319793.27	325065.57	0:00	0	0:00	0	0:00	0
2126	Year-Round Residence	Non-Participating	319599.34	324648.18	0:00	0	0:00	0	0:00	0
2127	Year-Round Residence	Non-Participating	319354.71	325044.13	0:00	0	0:00	0	0:00	0
2128	Year-Round Residence	Non-Participating	319139.67	325009.96	0:00	0	0:00	0	0:00	0
2129	Year-Round Residence	Non-Participating	319033.08	325020.70	0:00	0	0:00	0	0:00	0
2130	Year-Round Residence	Non-Participating	318739.64	325178.02	0:00	0	0:00	0	0:00	0
2131	Year-Round Residence	Non-Participating	318427.18	323649.23	0:00	0	0:00	0	0:00	0
2132	Year-Round Residence	Non-Participating	318538.37	323819.18	0:00	0	0:00	0	0:00	0
2133	Year-Round Residence	Non-Participating	319953.76	323718.65	0:00	0	0:00	0	0:00	0
2134	Year-Round Residence	Non-Participating	320119.88	323794.81	0:00	0	0:00	0	0:00	0
2135	Year-Round Residence	Non-Participating	320487.89	323811.67	0:00	0	0:00	0	0:00	0
2136	Year-Round Residence	Non-Participating	320499.59	323707.41	0:00	0	0:00	0	0:00	0
2137	Year-Round Residence	Non-Participating	320588.73	323829.73	5:43	343	0:00	0	5:43	343
2138	Year-Round Residence	Non-Participating	320634.31	323597.91	0:00	0	0:00	0	0:00	0
2139	Year-Round Residence	Non-Participating	320652.32	323847.65	5:12	312	0:00	0	5:12	312

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID (Residential and Non-Participating Receptors)

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
2140	Year-Round Residence	Non-Participating	320714.19	323721.22	0:00	0	0:00	0	0:00	0
2141	Year-Round Residence	Non-Participating	320807.77	323957.87	7:43	463	0:00	0	7:43	463
2142	Year-Round Residence	Non-Participating	320951.10	323740.62	0:00	0	0:00	0	0:00	0
2143	Year-Round Residence	Non-Participating	321128.20	323846.61	0:00	0	0:00	0	0:00	0
2144	Year-Round Residence	Non-Participating	321236.64	323755.62	0:00	0	0:00	0	0:00	0
2147	Year-Round Residence	Non-Participating	321244.65	324691.59	12:46	766	0:00	0	12:46	766
2148	Year-Round Residence	Non-Participating	321289.82	324758.55	13:11	791	0:00	0	13:11	791
2149	Year-Round Residence	Non-Participating	321216.36	325253.60	6:03	363	0:00	0	6:03	363
2150	Year-Round Residence	Non-Participating	318961.48	322595.58	0:00	0	0:00	0	0:00	0
2151	Year-Round Residence	Non-Participating	319107.37	322596.03	0:00	0	0:00	0	0:00	0
2152	Year-Round Residence	Non-Participating	319131.72	322744.88	0:00	0	0:00	0	0:00	0
2153	Year-Round Residence	Non-Participating	319431.50	322697.62	0:00	0	0:00	0	0:00	0
2154	Year-Round Residence	Non-Participating	319500.43	322629.84	0:00	0	0:00	0	0:00	0
2155	Year-Round Residence	Non-Participating	319492.20	322508.22	0:00	0	0:00	0	0:00	0
2156	Year-Round Residence	Non-Participating	319675.98	322626.26	0:00	0	0:00	0	0:00	0
2157	Year-Round Residence	Non-Participating	319723.26	322575.18	0:00	0	0:00	0	0:00	0
2158	Year-Round Residence	Non-Participating	319862.71	322633.13	0:00	0	0:00	0	0:00	0
2159	Year-Round Residence	Non-Participating	320013.02	322705.20	0:00	0	0:00	0	0:00	0
2160	Year-Round Residence	Non-Participating	320133.34	322561.27	0:00	0	0:00	0	0:00	0
2161	Year-Round Residence	Non-Participating	320108.93	322456.92	0:00	0	0:00	0	0:00	0
2162	Year-Round Residence	Non-Participating	320278.12	322230.53	0:00	0	0:00	0	0:00	0
2163	Year-Round Residence	Non-Participating	320072.06	322107.50	0:00	0	0:00	0	0:00	0
2164	Year-Round Residence	Non-Participating	320128.77	321873.81	0:00	0	0:00	0	0:00	0
2165	Year-Round Residence	Non-Participating	320198.12	321872.89	0:00	0	0:00	0	0:00	0
2166	Year-Round Residence	Non-Participating	320646.36	322406.37	0:00	0	0:00	0	0:00	0
2167	Year-Round Residence	Non-Participating	320688.55	322405.73	0:00	0	0:00	0	0:00	0
2168	Year-Round Residence	Non-Participating	320865.18	322476.96	0:00	0	0:00	0	0:00	0
2169	Year-Round Residence	Non-Participating	320871.34	322333.98	0:00	0	0:00	0	0:00	0
2170	Year-Round Residence	Non-Participating	321008.19	322520.21	0:00	0	0:00	0	0:00	0
2171	Year-Round Residence	Non-Participating	321036.45	322623.33	0:00	0	0:00	0	0:00	0
2172	Year-Round Residence	Non-Participating	321196.77	322674.85	0:00	0	0:00	0	0:00	0
2173	Year-Round Residence	Non-Participating	321332.24	323205.30	0:00	0	0:00	0	0:00	0
2174	Year-Round Residence	Non-Participating	321273.03	323611.33	0:00	0	0:00	0	0:00	0
2175	Year-Round Residence	Non-Participating	321330.49	323663.55	0:00	0	0:00	0	0:00	0
2176	Year-Round Residence	Non-Participating	321266.37	323695.12	0:00	0	0:00	0	0:00	0
2177	Year-Round Residence	Non-Participating	321332.01	323690.66	0:00	0	0:00	0	0:00	0
2178	Year-Round Residence	Non-Participating	321326.62	323721.44	0:00	0	0:00	0	0:00	0
2179	Year-Round Residence	Non-Participating	321331.28	323755.26	0:00	0	0:00	0	0:00	0
2180	Year-Round Residence	Non-Participating	321392.43	323805.81	0:00	0	0:00	0	0:00	0
2181	Year-Round Residence	Non-Participating	321457.24	323895.86	0:00	0	0:00	0	0:00	0
2182	Year-Round Residence	Non-Participating	321481.47	323815.21	0:00	0	0:00	0	0:00	0
2183	Year-Round Residence	Non-Participating	321550.16	323819.68	0:00	0	0:00	0	0:00	0
2184	Year-Round Residence	Non-Participating	321797.10	323858.39	1:56	116	0:00	0	1:56	116
2185	Year-Round Residence	Non-Participating	322317.09	323793.43	5:51	351	0:00	0	5:51	351
2186	Year-Round Residence	Non-Participating	322299.17	323692.72	5:57	357	0:00	0	5:57	357
2187	Year-Round Residence	Non-Participating	322289.02	323632.63	5:58	358	0:00	0	5:58	358
2188	Year-Round Residence	Non-Participating	322498.93	323685.05	11:28	688	0:00	0	11:28	688
2190	Year-Round Residence	Non-Participating	322237.95	323370.69	8:16	496	0:00	0	8:16	496
2191	Year-Round Residence	Non-Participating	322306.56	322793.17	0:00	0	0:00	0	0:00	0
2192	Year-Round Residence	Non-Participating	321645.38	322762.48	0:00	0	0:00	0	0:00	0
2193	Year-Round Residence	Non-Participating	321506.29	322752.90	0:00	0	0:00	0	0:00	0
2194	Year-Round Residence	Non-Participating	321399.49	322715.29	0:00	0	0:00	0	0:00	0
2195	Year-Round Residence	Non-Participating	321428.38	322675.44	0:00	0	0:00	0	0:00	0

Table D-1.a: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Receptor ID [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
2196	Year-Round Residence	Non-Participating	322414.03	321457.55	0:00	0	0:00	0	0:00	0
2197	Year-Round Residence	Non-Participating	322337.39	321291.48	0:00	0	0:00	0	0:00	0
2198	Year-Round Residence	Non-Participating	322350.12	321149.07	0:00	0	0:00	0	0:00	0
2199	Year-Round Residence	Non-Participating	322375.72	320848.19	0:00	0	0:00	0	0:00	0
2200	Year-Round Residence	Non-Participating	322499.02	320616.23	0:00	0	0:00	0	0:00	0
2201	Year-Round Residence	Non-Participating	322801.07	320586.67	0:00	0	0:00	0	0:00	0
2202	Year-Round Residence	Non-Participating	323045.34	320704.79	0:00	0	0:00	0	0:00	0
2203	Year-Round Residence	Non-Participating	323233.08	320282.05	0:00	0	0:00	0	0:00	0
2204	Year-Round Residence	Non-Participating	323624.44	320853.85	0:00	0	0:00	0	0:00	0
2210	Year-Round Residence	Non-Participating	322830.49	320670.86	0:00	0	0:00	0	0:00	0
2272	Year-Round Residence	Non-Participating	322393.92	321271.49	0:00	0	0:00	0	0:00	0
2273	Seasonal Residence	Non-Participating	323228.81	320305.64	0:00	0	0:00	0	0:00	0
2278	Year-Round Residence	Non-Participating	322400.69	321167.43	0:00	0	0:00	0	0:00	0
2282	Year-Round Residence	Non-Participating	315427.17	323244.21	0:00	0	0:00	0	0:00	0
2285	Year-Round Residence	Non-Participating	321281.75	323344.86	0:00	0	0:00	0	0:00	0
2288	Year-Round Residence	Non-Participating	317714.28	323769.99	0:00	0	0:00	0	0:00	0
2289	Year-Round Residence	Non-Participating	315802.63	325088.17	0:00	0	0:00	0	0:00	0
2290	Year-Round Residence	Non-Participating	316680.98	324109.55	0:00	0	0:00	0	0:00	0
2294	Year-Round Residence	Non-Participating	320793.90	328512.24	0:00	0	0:00	0	0:00	0
2295	Year-Round Residence	Non-Participating	319964.32	329432.95	6:11	371	0:00	0	6:11	371
2296	Year-Round Residence	Non-Participating	320015.01	329237.79	9:39	579	0:00	0	9:39	579
2297	Year-Round Residence	Non-Participating	319023.18	326977.46	6:55	415	0:00	0	6:55	415
2298	Year-Round Residence	Non-Participating	323840.75	329758.79	0:00	0	0:00	0	0:00	0
2300	Year-Round Residence	Non-Participating	314994.79	328708.63	4:20	260	0:00	0	4:20	260
2301	Year-Round Residence	Non-Participating	319061.13	333208.12	0:00	0	0:00	0	0:00	0
2302	Year-Round Residence	Non-Participating	317634.41	333444.75	0:00	0	0:00	0	0:00	0
2304	Year-Round Residence	Non-Participating	316723.50	330023.82	0:00	0	0:00	0	0:00	0
2306	Year-Round Residence	Non-Participating	313880.70	327015.38	0:00	0	0:00	0	0:00	0
2307	Year-Round Residence	Non-Participating	315008.18	329053.93	0:00	0	0:00	0	0:00	0
2308	Year-Round Residence	Non-Participating	315007.78	330770.16	0:00	0	0:45	45	0:45	45
2310	Year-Round Residence	Non-Participating	313500.02	328731.95	0:00	0	0:00	0	0:00	0
2311	Year-Round Residence	Non-Participating	315619.09	332050.39	0:00	0	5:05	305	5:05	305
2312	Year-Round Residence	Non-Participating	317322.62	327370.68	22:03	1323	0:00	0	22:03	1323
2324	Seasonal Residence	Non-Participating	316991.50	325358.05	0:00	0	0:00	0	0:00	0
2325	Year-Round Residence	Non-Participating	315598.28	326588.23	2:38	158	0:00	0	2:38	158
2326	Year-Round Residence	Non-Participating	315628.98	326631.08	2:41	161	0:00	0	2:41	161
2327	Year-Round Residence	Non-Participating	315708.22	326612.24	3:00	180	0:00	0	3:00	180
2333	Year-Round Residence	Non-Participating	320170.47	329386.57	4:24	264	0:00	0	4:24	264
Summary of Maximum and Minimum Shadow Flicker for Non-Participating Residential Receptors										
1173	Year-Round Residence	Non-Participating	326836.02	324708.98	61:08	3668	0:00	0	61:08	3668
2324	Seasonal Residence	Non-Participating	316991.50	325358.05	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1173	Year-Round Residence	Non-Participating	326836.02	324708.98	61:08	3668	0:00	0	61:08	3668
699	Year-Round Residence	Non-Participating	324594.92	324913.88	47:47	2867	0:00	0	47:47	2867
1847	Year-Round Residence	Non-Participating	316729.64	327608.64	47:32	2852	0:00	0	47:32	2852
1877	Year-Round Residence	Non-Participating	317873.20	327868.11	46:28	2788	0:00	0	46:28	2788
1846	Year-Round Residence	Non-Participating	316867.91	327577.62	46:04	2764	0:00	0	46:04	2764
1835	Year-Round Residence	Non-Participating	316840.21	327098.10	45:38	2738	0:00	0	45:38	2738
1836	Year-Round Residence	Non-Participating	316933.82	327084.00	45:35	2735	0:00	0	45:35	2735
1845	Year-Round Residence	Non-Participating	316869.29	327483.59	42:57	2577	0:00	0	42:57	2577
1876	Year-Round Residence	Non-Participating	317788.11	327773.05	42:28	2548	0:00	0	42:28	2548
1878	Year-Round Residence	Non-Participating	317875.16	327765.14	42:10	2530	0:00	0	42:10	2530
2085	Year-Round Residence	Non-Participating	322612.52	326636.84	39:41	2381	0:00	0	39:41	2381
1810	Year-Round Residence	Non-Participating	317870.98	326376.84	39:16	2356	0:00	0	39:16	2356
2106	Year-Round Residence	Non-Participating	321088.81	326528.24	38:07	2287	0:00	0	38:07	2287
454	Year-Round Residence	Non-Participating	322770.63	323572.25	37:25	2245	0:00	0	37:25	2245
700	Year-Round Residence	Non-Participating	324831.93	324371.68	36:22	2182	0:00	0	36:22	2182
692	Year-Round Residence	Non-Participating	323917.32	326574.41	34:39	2079	0:00	0	34:39	2079
1874	Year-Round Residence	Non-Participating	317795.94	327720.97	33:44	2024	0:00	0	33:44	2024
1812	Year-Round Residence	Non-Participating	317861.16	326565.00	33:33	2013	0:00	0	33:33	2013
2084	Year-Round Residence	Non-Participating	322592.59	326689.96	33:32	2012	0:00	0	33:32	2012
1832	Year-Round Residence	Non-Participating	317203.09	327364.27	33:09	1989	0:00	0	33:09	1989
1837	Year-Round Residence	Non-Participating	316884.39	327047.54	32:57	1977	0:00	0	32:57	1977
1833	Year-Round Residence	Non-Participating	317149.87	327315.26	32:49	1969	0:00	0	32:49	1969
1872	Year-Round Residence	Non-Participating	317663.68	327687.36	32:23	1943	0:00	0	32:23	1943
1848	Year-Round Residence	Non-Participating	316860.53	327661.08	32:03	1923	0:00	0	32:03	1923
553	Year-Round Residence	Non-Participating	327187.08	325373.13	32:01	1921	0:00	0	32:01	1921
1834	Year-Round Residence	Non-Participating	317079.85	327285.09	31:55	1915	0:00	0	31:55	1915
1818	Year-Round Residence	Non-Participating	317538.98	326863.36	31:50	1910	0:00	0	31:50	1910
1809	Year-Round Residence	Non-Participating	317952.09	326188.63	31:39	1899	0:00	0	31:39	1899
2105	Year-Round Residence	Non-Participating	321022.08	326632.06	31:16	1876	0:00	0	31:16	1876
1830	Year-Round Residence	Non-Participating	317523.96	327616.10	29:03	1743	0:00	0	29:03	1743
455	Year-Round Residence	Non-Participating	322644.45	323527.32	29:00	1740	0:00	0	29:00	1740
2111	Year-Round Residence	Non-Participating	320566.39	326039.10	28:55	1735	0:00	0	28:55	1735
1893	Year-Round Residence	Non-Participating	320024.26	328665.82	28:25	1705	0:00	0	28:25	1705
708	Year-Round Residence	Non-Participating	323690.28	324591.21	28:02	1682	0:00	0	28:02	1682
706	Year-Round Residence	Non-Participating	323320.03	324905.64	27:32	1652	0:00	0	27:32	1652
693	Year-Round Residence	Non-Participating	323939.22	326503.06	27:22	1642	0:00	0	27:22	1642
2113	Year-Round Residence	Non-Participating	320801.03	326107.49	27:21	1641	0:00	0	27:21	1641
1871	Year-Round Residence	Non-Participating	317729.48	328627.04	26:43	1603	0:00	0	26:43	1603
1897	Year-Round Residence	Non-Participating	319792.29	328291.44	26:16	1576	0:00	0	26:16	1576
2114	Year-Round Residence	Non-Participating	320855.37	326109.39	26:12	1572	0:00	0	26:12	1572
1628	Year-Round Residence	Non-Participating	315299.06	327572.50	25:55	1555	0:00	0	25:55	1555
2112	Year-Round Residence	Non-Participating	320670.77	325947.15	25:23	1523	0:00	0	25:23	1523
2108	Year-Round Residence	Non-Participating	321029.12	326173.07	24:11	1451	0:00	0	24:11	1451
703	Year-Round Residence	Non-Participating	322846.05	326170.30	23:51	1431	0:00	0	23:51	1431
541	Year-Round Residence	Non-Participating	326962.47	323754.45	23:43	1423	0:00	0	23:43	1423
1815	Year-Round Residence	Non-Participating	317784.56	326706.62	23:38	1418	0:00	0	23:38	1418
542	Year-Round Residence	Non-Participating	326946.82	323784.39	22:32	1352	0:00	0	22:32	1352
1894	Year-Round Residence	Non-Participating	320027.37	328482.27	22:21	1341	0:00	0	22:21	1341
709	Year-Round Residence	Non-Participating	323599.59	324540.28	22:11	1331	0:00	0	22:11	1331
2312	Year-Round Residence	Non-Participating	317322.62	327370.68	22:03	1323	0:00	0	22:03	1323
1870	Year-Round Residence	Non-Participating	317528.33	329143.42	22:03	1323	0:00	0	22:03	1323
1895	Year-Round Residence	Non-Participating	319948.26	328511.28	21:57	1317	0:00	0	21:57	1317
1819	Year-Round Residence	Non-Participating	317637.37	326943.56	21:43	1303	0:00	0	21:43	1303

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
704	Year-Round Residence	Non-Participating	322857.95	326139.50	21:14	1274	0:00	0	21:14	1274
2082	Year-Round Residence	Non-Participating	322567.06	326840.98	21:14	1274	0:00	0	21:14	1274
2079	Year-Round Residence	Non-Participating	322777.42	327105.61	21:14	1274	0:00	0	21:14	1274
1813	Year-Round Residence	Non-Participating	317954.94	326603.29	21:12	1272	0:00	0	21:12	1272
1899	Year-Round Residence	Non-Participating	320033.46	327691.83	20:58	1258	0:00	0	20:58	1258
1831	Year-Round Residence	Non-Participating	317300.80	327256.63	20:49	1249	0:00	0	20:49	1249
552	Year-Round Residence	Non-Participating	326755.39	325346.80	20:22	1222	0:00	0	20:22	1222
2103	Year-Round Residence	Non-Participating	321101.11	327013.69	20:19	1219	0:00	0	20:19	1219
1898	Year-Round Residence	Non-Participating	319929.38	328013.01	20:16	1216	0:00	0	20:16	1216
2110	Year-Round Residence	Non-Participating	321235.28	325875.73	19:56	1196	0:00	0	19:56	1196
2081	Year-Round Residence	Non-Participating	322573.49	326898.05	19:51	1191	0:00	0	19:51	1191
1814	Year-Round Residence	Non-Participating	317884.19	326712.01	19:48	1188	0:00	0	19:48	1188
2080	Year-Round Residence	Non-Participating	322496.52	327052.38	19:40	1180	0:00	0	19:40	1180
2078	Year-Round Residence	Non-Participating	322707.64	327206.33	19:39	1179	0:00	0	19:39	1179
1896	Year-Round Residence	Non-Participating	319856.01	328167.37	19:39	1179	0:00	0	19:39	1179
540	Year-Round Residence	Non-Participating	327012.42	323661.50	19:35	1175	0:00	0	19:35	1175
453	Year-Round Residence	Non-Participating	322840.82	323525.82	18:50	1130	0:00	0	18:50	1130
1838	Year-Round Residence	Non-Participating	316826.23	326999.13	18:13	1093	0:00	0	18:13	1093
691	Year-Round Residence	Non-Participating	323948.14	326728.54	17:53	1073	0:00	0	17:53	1073
1811	Year-Round Residence	Non-Participating	318028.58	326513.05	17:49	1069	0:00	0	17:49	1069
1829	Year-Round Residence	Non-Participating	317585.61	327537.21	17:48	1068	0:00	0	17:48	1068
1912	Year-Round Residence	Non-Participating	317869.60	327226.91	17:33	1053	0:00	0	17:33	1053
618	Year-Round Residence	Non-Participating	326712.96	325555.38	17:15	1035	0:00	0	17:15	1035
653	Year-Round Residence	Non-Participating	326572.88	325697.83	17:13	1033	0:00	0	17:13	1033
1913	Year-Round Residence	Non-Participating	317829.82	327219.15	17:06	1026	0:00	0	17:06	1026
1432	Seasonal Residence	Non-Participating	319185.70	326447.45	17:04	1024	0:00	0	17:04	1024
543	Year-Round Residence	Non-Participating	326931.48	323842.78	17:01	1021	0:00	0	17:01	1021
1909	Year-Round Residence	Non-Participating	317946.40	327282.03	17:00	1020	0:00	0	17:00	1020
1858	Year-Round Residence	Non-Participating	316936.56	328566.79	16:57	1017	0:00	0	16:57	1017
617	Year-Round Residence	Non-Participating	326708.71	325510.49	16:52	1012	0:00	0	16:52	1012
1820	Year-Round Residence	Non-Participating	317691.66	327012.44	16:51	1011	0:00	0	16:51	1011
656	Year-Round Residence	Non-Participating	326367.51	325624.10	16:46	1006	0:00	0	16:46	1006
554	Year-Round Residence	Non-Participating	327684.86	325423.87	16:21	981	0:00	0	16:21	981
658	Year-Round Residence	Non-Participating	326307.12	325606.54	16:07	967	0:00	0	16:07	967
654	Year-Round Residence	Non-Participating	326496.07	325713.02	16:06	966	0:00	0	16:06	966
1174	Year-Round Residence	Non-Participating	328258.97	324981.09	16:04	964	0:00	0	16:04	964
1892	Year-Round Residence	Non-Participating	320033.24	328805.43	16:00	960	0:00	0	16:00	960
539	Year-Round Residence	Non-Participating	327028.98	323617.64	15:50	950	0:00	0	15:50	950
2109	Year-Round Residence	Non-Participating	321023.32	326056.07	15:16	916	0:00	0	15:16	916
1840	Year-Round Residence	Non-Participating	316398.61	326657.22	15:09	909	0:00	0	15:09	909
715	Seasonal Residence	Non-Participating	326701.27	325635.06	15:07	907	0:00	0	15:07	907
1850	Year-Round Residence	Non-Participating	316720.79	327878.23	14:36	876	0:00	0	14:36	876
1828	Year-Round Residence	Non-Participating	317633.66	327536.18	14:05	845	0:00	0	14:05	845
1901	Year-Round Residence	Non-Participating	319781.73	327276.44	14:03	843	0:00	0	14:03	843
1817	Year-Round Residence	Non-Participating	317775.27	326890.74	13:55	835	0:00	0	13:55	835
1171	Year-Round Residence	Non-Participating	327603.15	325435.83	13:40	820	0:00	0	13:40	820
1816	Year-Round Residence	Non-Participating	317841.36	326803.41	13:38	818	0:00	0	13:38	818
685	Year-Round Residence	Non-Participating	325319.64	325594.68	13:26	806	0:00	0	13:26	806
619	Year-Round Residence	Non-Participating	326695.20	325726.06	13:11	791	0:00	0	13:11	791
2148	Year-Round Residence	Non-Participating	321289.82	324758.55	13:11	791	0:00	0	13:11	791
2094	Year-Round Residence	Non-Participating	320911.57	327443.86	13:07	787	0:00	0	13:07	787
1426	Seasonal Residence	Non-Participating	316087.96	326037.01	13:05	785	0:00	0	13:05	785
698	Year-Round Residence	Non-Participating	324363.05	325478.61	13:00	780	0:00	0	13:00	780

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1826	Year-Round Residence	Non-Participating	317576.50	327491.43	12:55	775	0:00	0	12:55	775
2147	Year-Round Residence	Non-Participating	321244.65	324691.59	12:46	766	0:00	0	12:46	766
1851	Year-Round Residence	Non-Participating	316725.04	327941.87	12:43	763	0:00	0	12:43	763
684	Year-Round Residence	Non-Participating	325296.66	325606.08	12:35	755	0:00	0	12:35	755
655	Year-Round Residence	Non-Participating	326404.00	325722.64	12:35	755	0:00	0	12:35	755
1661	Year-Round Residence	Non-Participating	315829.11	325983.55	12:32	752	0:00	0	12:32	752
1868	Year-Round Residence	Non-Participating	317365.64	329241.46	12:29	749	0:00	0	12:29	749
1880	Year-Round Residence	Non-Participating	318181.54	329665.21	12:28	748	0:00	0	12:28	748
1886	Year-Round Residence	Non-Participating	319089.32	329472.21	12:26	746	0:00	0	12:26	746
1849	Year-Round Residence	Non-Participating	316800.48	327847.08	12:23	743	0:00	0	12:23	743
1156	Seasonal Residence	Non-Participating	323927.02	326942.58	12:17	737	0:00	0	12:17	737
510	Year-Round Residence	Non-Participating	327391.76	323456.44	12:11	731	0:00	0	12:11	731
555	Year-Round Residence	Non-Participating	327986.87	325353.51	12:11	731	0:00	0	12:11	731
1842	Year-Round Residence	Non-Participating	316196.14	326473.24	11:56	716	0:00	0	11:56	716
660	Year-Round Residence	Non-Participating	326224.58	325615.64	11:55	715	0:00	0	11:55	715
1618	Year-Round Residence	Non-Participating	315323.62	328136.21	11:54	714	0:00	0	11:54	714
509	Year-Round Residence	Non-Participating	327335.06	323449.52	11:52	712	0:00	0	11:52	712
1841	Year-Round Residence	Non-Participating	316265.84	326629.64	11:52	712	0:00	0	11:52	712
2119	Year-Round Residence	Non-Participating	320754.16	325409.48	11:45	705	0:00	0	11:45	705
1821	Year-Round Residence	Non-Participating	317665.11	327126.93	11:30	690	0:00	0	11:30	690
2188	Year-Round Residence	Non-Participating	322498.93	323685.05	11:28	688	0:00	0	11:28	688
1855	Year-Round Residence	Non-Participating	316793.25	328400.12	11:27	687	0:00	0	11:27	687
683	Year-Round Residence	Non-Participating	325279.20	325628.61	11:12	672	0:00	0	11:12	672
1438	Year-Round Residence	Non-Participating	318721.38	329731.20	11:01	661	0:00	0	11:01	661
1881	Year-Round Residence	Non-Participating	318246.14	329677.09	11:00	660	0:00	0	11:00	660
1867	Year-Round Residence	Non-Participating	317297.54	329233.89	10:59	659	0:00	0	10:59	659
711	Year-Round Residence	Non-Participating	322599.52	325185.83	10:52	652	0:00	0	10:52	652
1889	Year-Round Residence	Non-Participating	319725.06	329477.24	10:50	650	0:00	0	10:50	650
1852	Year-Round Residence	Non-Participating	316797.72	327929.84	10:45	645	0:00	0	10:45	645
508	Year-Round Residence	Non-Participating	327288.39	323447.52	10:42	642	0:00	0	10:42	642
1843	Year-Round Residence	Non-Participating	316135.62	326486.33	10:32	632	0:00	0	10:32	632
1891	Year-Round Residence	Non-Participating	320012.36	329120.81	10:17	617	0:00	0	10:17	617
1910	Year-Round Residence	Non-Participating	317869.78	327340.63	10:13	613	0:00	0	10:13	613
1888	Year-Round Residence	Non-Participating	319629.55	329510.39	10:09	609	0:00	0	10:09	609
1617	Year-Round Residence	Non-Participating	315278.96	328192.26	10:08	608	0:00	0	10:08	608
1844	Year-Round Residence	Non-Participating	316097.57	326466.61	9:55	595	0:00	0	9:55	595
1866	Year-Round Residence	Non-Participating	317277.95	329358.71	9:55	595	0:00	0	9:55	595
527	Year-Round Residence	Non-Participating	328542.55	324881.84	9:51	591	0:00	0	9:51	591
682	Year-Round Residence	Non-Participating	325269.53	325663.08	9:39	579	0:00	0	9:39	579
2296	Year-Round Residence	Non-Participating	320015.01	329237.79	9:39	579	0:00	0	9:39	579
1911	Year-Round Residence	Non-Participating	317799.76	327315.89	9:35	575	0:00	0	9:35	575
1853	Year-Round Residence	Non-Participating	316791.30	328033.28	9:33	573	0:00	0	9:33	573
1906	Year-Round Residence	Non-Participating	318198.61	327257.05	9:23	563	0:00	0	9:23	563
1856	Year-Round Residence	Non-Participating	316791.15	328458.33	9:19	559	0:00	0	9:19	559
1660	Year-Round Residence	Non-Participating	315822.14	326099.45	9:12	552	0:00	0	9:12	552
657	Year-Round Residence	Non-Participating	326332.81	325715.92	9:09	549	0:00	0	9:09	549
1616	Year-Round Residence	Non-Participating	315375.61	328245.23	9:04	544	0:00	0	9:04	544
1865	Year-Round Residence	Non-Participating	317149.31	329146.05	9:03	543	0:00	0	9:03	543
529	Year-Round Residence	Non-Participating	328534.45	324976.61	9:00	540	0:00	0	9:00	540
557	Year-Round Residence	Non-Participating	328156.33	325593.76	8:49	529	0:00	0	8:49	529
1915	Year-Round Residence	Non-Participating	317743.67	327305.40	8:44	524	0:00	0	8:44	524
1863	Year-Round Residence	Non-Participating	317121.04	329124.55	8:43	523	0:00	0	8:43	523
1882	Year-Round Residence	Non-Participating	318341.11	329689.11	8:39	519	1:16	76	9:53	593

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1908	Year-Round Residence	Non-Participating	317946.93	327044.15	8:38	518	0:00	0	8:38	518
556	Year-Round Residence	Non-Participating	328153.86	325350.10	8:32	512	0:00	0	8:32	512
1659	Year-Round Residence	Non-Participating	315824.98	326142.57	8:29	509	0:00	0	8:29	509
1825	Year-Round Residence	Non-Participating	317579.77	327331.26	8:27	507	0:00	0	8:27	507
2190	Year-Round Residence	Non-Participating	322237.95	323370.69	8:16	496	0:00	0	8:16	496
1649	Year-Round Residence	Non-Participating	315325.96	326678.06	8:15	495	0:00	0	8:15	495
1864	Year-Round Residence	Non-Participating	317119.50	329207.05	8:14	494	0:00	0	8:14	494
516	Year-Round Residence	Non-Participating	328672.21	323635.95	8:10	490	0:00	0	8:10	490
531	Year-Round Residence	Non-Participating	328415.82	325312.78	8:07	487	0:00	0	8:07	487
2095	Year-Round Residence	Non-Participating	321231.57	327396.28	8:01	481	0:00	0	8:01	481
1822	Year-Round Residence	Non-Participating	317635.65	327185.22	8:00	480	0:00	0	8:00	480
1890	Year-Round Residence	Non-Participating	319926.16	329496.33	8:00	480	0:00	0	8:00	480
530	Year-Round Residence	Non-Participating	328333.33	325321.72	7:59	479	0:00	0	7:59	479
2141	Year-Round Residence	Non-Participating	320807.77	323957.87	7:43	463	0:00	0	7:43	463
1857	Year-Round Residence	Non-Participating	316791.53	328497.47	7:41	461	0:00	0	7:41	461
1657	Year-Round Residence	Non-Participating	315945.37	326471.62	7:38	458	0:00	0	7:38	458
1860	Year-Round Residence	Non-Participating	316985.76	329043.34	7:22	442	0:00	0	7:22	442
1658	Year-Round Residence	Non-Participating	315838.17	326300.72	7:14	434	0:00	0	7:14	434
659	Year-Round Residence	Non-Participating	326269.00	325693.83	7:14	434	0:00	0	7:14	434
1914	Year-Round Residence	Non-Participating	317756.82	327231.65	7:13	433	0:00	0	7:13	433
1884	Year-Round Residence	Non-Participating	318947.05	329703.38	7:10	430	0:00	0	7:10	430
1862	Year-Round Residence	Non-Participating	317027.80	329217.38	7:08	428	0:00	0	7:08	428
1428	Seasonal Residence	Non-Participating	315968.20	326636.82	7:04	424	0:00	0	7:04	424
2297	Year-Round Residence	Non-Participating	319023.18	326977.46	6:55	415	0:00	0	6:55	415
705	Year-Round Residence	Non-Participating	323158.90	325496.31	6:53	413	0:00	0	6:53	413
1861	Year-Round Residence	Non-Participating	316964.17	329117.95	6:49	409	0:00	0	6:49	409
1827	Year-Round Residence	Non-Participating	317636.48	327508.14	6:47	407	0:00	0	6:47	407
528	Year-Round Residence	Non-Participating	328724.14	324956.55	6:47	407	0:00	0	6:47	407
1655	Year-Round Residence	Non-Participating	315871.35	326483.86	6:44	404	0:00	0	6:44	404
1656	Year-Round Residence	Non-Participating	315807.96	326378.91	6:35	395	0:00	0	6:35	395
1883	Year-Round Residence	Non-Participating	318451.05	329711.83	6:34	394	1:20	80	7:50	470
1722	Year-Round Residence	Non-Participating	315905.96	325564.46	6:33	393	0:00	0	6:33	393
1887	Year-Round Residence	Non-Participating	319497.08	329612.15	6:28	388	0:00	0	6:28	388
1859	Year-Round Residence	Non-Participating	316784.42	328783.87	6:23	383	0:00	0	6:23	383
2295	Year-Round Residence	Non-Participating	319964.32	329432.95	6:11	371	0:00	0	6:11	371
511	Year-Round Residence	Non-Participating	327576.50	323465.03	6:09	369	0:00	0	6:09	369
1885	Year-Round Residence	Non-Participating	319021.18	329701.88	6:07	367	0:00	0	6:07	367
2149	Year-Round Residence	Non-Participating	321216.36	325253.60	6:03	363	0:00	0	6:03	363
1916	Year-Round Residence	Non-Participating	317683.63	327237.29	6:00	360	0:00	0	6:00	360
2187	Year-Round Residence	Non-Participating	322289.02	323632.63	5:58	358	0:00	0	5:58	358
2186	Year-Round Residence	Non-Participating	322299.17	323692.72	5:57	357	0:00	0	5:57	357
2185	Year-Round Residence	Non-Participating	322317.09	323793.43	5:51	351	0:00	0	5:51	351
1224	Year-Round Residence	Non-Participating	316822.82	329014.14	5:50	350	0:00	0	5:50	350
1632	Year-Round Residence	Non-Participating	315368.39	327208.25	5:46	346	0:00	0	5:46	346
2137	Year-Round Residence	Non-Participating	320588.73	323829.73	5:43	343	0:00	0	5:43	343
1650	Year-Round Residence	Non-Participating	315276.32	326611.41	5:39	339	0:00	0	5:39	339
1427	Seasonal Residence	Non-Participating	316116.75	325871.01	5:33	333	0:00	0	5:33	333
1430	Seasonal Residence	Non-Participating	320063.55	329354.58	5:22	322	0:00	0	5:22	322
701	Year-Round Residence	Non-Participating	324991.93	323830.97	5:14	314	0:00	0	5:14	314
2096	Year-Round Residence	Non-Participating	321281.06	327432.34	5:14	314	0:00	0	5:14	314
2139	Year-Round Residence	Non-Participating	320652.32	323847.65	5:12	312	0:00	0	5:12	312
710	Year-Round Residence	Non-Participating	324371.67	323917.57	4:48	288	0:00	0	4:48	288
1630	Year-Round Residence	Non-Participating	315279.35	327360.23	4:46	286	0:00	0	4:46	286

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1631	Year-Round Residence	Non-Participating	315302.45	327324.36	4:39	279	0:00	0	4:39	279
678	Year-Round Residence	Non-Participating	324383.65	327571.59	4:36	276	0:00	0	4:36	276
697	Year-Round Residence	Non-Participating	324282.81	325570.53	4:33	273	0:00	0	4:33	273
2097	Year-Round Residence	Non-Participating	321305.49	327439.75	4:27	267	0:00	0	4:27	267
1918	Year-Round Residence	Non-Participating	320124.53	329458.58	4:24	264	0:00	0	4:24	264
2333	Year-Round Residence	Non-Participating	320170.47	329386.57	4:24	264	0:00	0	4:24	264
2300	Year-Round Residence	Non-Participating	314994.79	328708.63	4:20	260	0:00	0	4:20	260
1904	Year-Round Residence	Non-Participating	318411.16	327046.82	3:59	239	0:00	0	3:59	239
1623	Year-Round Residence	Non-Participating	315017.68	328719.70	3:56	236	0:00	0	3:56	236
1720	Year-Round Residence	Non-Participating	315845.20	325721.23	3:54	234	0:00	0	3:54	234
1907	Year-Round Residence	Non-Participating	318148.59	327089.71	3:47	227	0:00	0	3:47	227
1719	Year-Round Residence	Non-Participating	315842.16	325777.59	3:39	219	0:00	0	3:39	219
1602	Year-Round Residence	Non-Participating	317146.67	329782.64	3:35	215	0:00	0	3:35	215
537	Year-Round Residence	Non-Participating	327087.71	323490.62	3:34	214	0:00	0	3:34	214
532	Year-Round Residence	Non-Participating	328667.48	325315.61	3:32	212	0:00	0	3:32	212
394	Year-Round Residence	Non-Participating	324602.97	323042.45	3:31	211	0:00	0	3:31	211
1615	Year-Round Residence	Non-Participating	315697.13	328351.49	3:30	210	0:00	0	3:30	210
1654	Year-Round Residence	Non-Participating	315726.55	326447.63	3:29	209	0:00	0	3:29	209
1917	Year-Round Residence	Non-Participating	317707.23	327306.74	3:24	204	0:00	0	3:24	204
1635	Year-Round Residence	Non-Participating	315772.80	326591.51	3:24	204	0:00	0	3:24	204
1629	Year-Round Residence	Non-Participating	314688.18	327819.34	3:22	202	0:00	0	3:22	202
1902	Year-Round Residence	Non-Participating	319178.04	327068.60	3:18	198	0:00	0	3:18	198
1634	Year-Round Residence	Non-Participating	315758.97	326633.30	3:11	191	0:00	0	3:11	191
1639	Year-Round Residence	Non-Participating	315716.77	326577.99	3:08	188	0:00	0	3:08	188
1604	Year-Round Residence	Non-Participating	316840.36	329228.44	3:05	185	0:00	0	3:05	185
1621	Year-Round Residence	Non-Participating	314870.08	328530.03	3:05	185	0:00	0	3:05	185
1605	Year-Round Residence	Non-Participating	316735.89	329005.06	3:04	184	0:00	0	3:04	184
1633	Year-Round Residence	Non-Participating	315741.37	326674.82	3:03	183	0:00	0	3:03	183
1640	Year-Round Residence	Non-Participating	315693.92	326579.97	3:03	183	0:00	0	3:03	183
1622	Year-Round Residence	Non-Participating	314833.81	328593.64	3:02	182	0:00	0	3:02	182
2327	Year-Round Residence	Non-Participating	315708.22	326612.24	3:00	180	0:00	0	3:00	180
1601	Year-Round Residence	Non-Participating	317011.56	329803.88	2:58	178	0:00	0	2:58	178
1619	Year-Round Residence	Non-Participating	314772.89	328334.16	2:57	177	0:00	0	2:57	177
1636	Year-Round Residence	Non-Participating	315695.63	326613.37	2:57	177	0:00	0	2:57	177
1641	Year-Round Residence	Non-Participating	315682.78	326584.02	2:57	177	0:00	0	2:57	177
1603	Year-Round Residence	Non-Participating	316828.16	329278.93	2:56	176	0:00	0	2:56	176
1642	Year-Round Residence	Non-Participating	315663.69	326587.78	2:55	175	0:00	0	2:55	175
1637	Year-Round Residence	Non-Participating	315678.30	326616.04	2:54	174	0:00	0	2:54	174
1643	Year-Round Residence	Non-Participating	315651.38	326588.65	2:51	171	0:00	0	2:51	171
1620	Year-Round Residence	Non-Participating	314771.79	328401.56	2:50	170	0:00	0	2:50	170
1638	Year-Round Residence	Non-Participating	315657.74	326619.03	2:48	168	0:00	0	2:48	168
2326	Year-Round Residence	Non-Participating	315628.98	326631.08	2:41	161	0:00	0	2:41	161
661	Year-Round Residence	Non-Participating	326198.44	325709.84	2:41	161	0:00	0	2:41	161
1644	Year-Round Residence	Non-Participating	315596.87	326568.99	2:40	160	0:00	0	2:40	160
1645	Year-Round Residence	Non-Participating	315597.09	326577.37	2:40	160	0:00	0	2:40	160
2325	Year-Round Residence	Non-Participating	315598.28	326588.23	2:38	158	0:00	0	2:38	158
1163	Year-Round Residence	Non-Participating	324570.27	327397.25	2:37	157	0:00	0	2:37	157
1164	Year-Round Residence	Non-Participating	324599.72	327375.63	2:37	157	0:00	0	2:37	157
2120	Year-Round Residence	Non-Participating	320611.79	325266.40	2:34	154	0:00	0	2:34	154
679	Year-Round Residence	Non-Participating	324665.78	327336.01	2:30	150	0:00	0	2:30	150
1905	Year-Round Residence	Non-Participating	318337.74	327121.60	2:28	148	0:00	0	2:28	148
2098	Year-Round Residence	Non-Participating	321472.45	327560.64	2:24	144	0:00	0	2:24	144
1943	Year-Round Residence	Non-Participating	318954.49	330094.34	2:19	139	0:00	0	2:19	139

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
2091	Year-Round Residence	Non-Participating	320734.52	328209.08	2:15	135	0:00	0	2:15	135
2077	Year-Round Residence	Non-Participating	322467.02	327568.43	2:05	125	0:00	0	2:05	125
1903	Year-Round Residence	Non-Participating	318390.70	327291.22	2:00	120	0:00	0	2:00	120
2184	Year-Round Residence	Non-Participating	321797.10	323858.39	1:56	116	0:00	0	1:56	116
690	Year-Round Residence	Non-Participating	323743.37	327378.89	1:44	104	0:00	0	1:44	104
2093	Year-Round Residence	Non-Participating	320865.80	327648.28	1:06	66	0:00	0	1:06	66
1648	Year-Round Residence	Non-Participating	315349.91	326589.01	0:43	43	0:00	0	0:43	43
1588	Year-Round Residence	Non-Participating	316843.19	330708.39	0:00	0	42:27	2547	42:27	2547
1534	Year-Round Residence	Non-Participating	316940.62	332517.63	0:00	0	38:28	2308	38:28	2308
1587	Year-Round Residence	Non-Participating	316853.49	330976.13	0:00	0	32:29	1949	32:29	1949
1421	Seasonal Residence	Non-Participating	316258.35	332105.08	0:00	0	29:19	1759	29:19	1759
1589	Year-Round Residence	Non-Participating	316836.94	330583.82	0:00	0	28:38	1718	28:38	1718
1584	Year-Round Residence	Non-Participating	316831.43	331217.22	0:00	0	27:46	1666	27:46	1666
1548	Year-Round Residence	Non-Participating	317771.95	332376.33	0:00	0	25:27	1527	25:27	1527
1586	Year-Round Residence	Non-Participating	316826.82	331047.66	0:00	0	24:59	1499	24:59	1499
1531	Year-Round Residence	Non-Participating	316179.66	332111.57	0:00	0	24:33	1473	24:33	1473
1590	Year-Round Residence	Non-Participating	316840.66	330247.46	0:00	0	23:10	1390	23:10	1390
1585	Year-Round Residence	Non-Participating	316859.36	331102.09	0:00	0	18:58	1138	18:58	1138
1948	Year-Round Residence	Non-Participating	319223.49	331298.24	0:00	0	15:00	900	15:00	900
1533	Year-Round Residence	Non-Participating	316965.40	332094.86	0:00	0	14:17	857	14:17	857
1422	Seasonal Residence	Non-Participating	317821.10	332559.73	0:00	0	10:18	618	10:18	618
1550	Year-Round Residence	Non-Participating	317912.84	332517.00	0:00	0	8:12	492	8:12	492
1549	Year-Round Residence	Non-Participating	317928.99	332531.91	0:00	0	7:34	454	7:34	454
1551	Year-Round Residence	Non-Participating	317956.75	332503.53	0:00	0	6:52	412	6:52	412
1950	Year-Round Residence	Non-Participating	319124.00	331598.92	0:00	0	6:24	384	6:24	384
1532	Year-Round Residence	Non-Participating	316243.14	332049.68	0:00	0	6:18	378	6:18	378
1581	Year-Round Residence	Non-Participating	318142.94	331788.38	0:00	0	6:13	373	6:13	373
1530	Year-Round Residence	Non-Participating	315885.10	332053.75	0:00	0	6:02	362	6:02	362
1535	Year-Round Residence	Non-Participating	316948.80	332661.74	0:00	0	5:20	320	5:20	320
1593	Year-Round Residence	Non-Participating	316115.85	330155.12	0:00	0	5:10	310	5:10	310
2311	Year-Round Residence	Non-Participating	315619.09	332050.39	0:00	0	5:05	305	5:05	305
1529	Year-Round Residence	Non-Participating	315835.06	332039.26	0:00	0	5:04	304	5:04	304
1546	Year-Round Residence	Non-Participating	316384.90	331774.75	0:00	0	4:54	294	4:54	294
1947	Year-Round Residence	Non-Participating	319467.80	331448.89	0:00	0	4:47	287	4:47	287
1536	Year-Round Residence	Non-Participating	317162.01	332007.60	0:00	0	4:42	282	4:42	282
1537	Year-Round Residence	Non-Participating	317303.94	331926.49	0:00	0	4:37	277	4:37	277
1580	Year-Round Residence	Non-Participating	318255.95	331816.99	0:00	0	4:28	268	4:28	268
1545	Year-Round Residence	Non-Participating	315916.58	331615.03	0:00	0	4:12	252	4:12	252
1528	Year-Round Residence	Non-Participating	315767.33	332047.04	0:00	0	4:10	250	4:10	250
1542	Year-Round Residence	Non-Participating	315187.86	331505.88	0:00	0	4:03	243	4:03	243
1538	Year-Round Residence	Non-Participating	317470.51	332078.34	0:00	0	3:56	236	3:56	236
1544	Year-Round Residence	Non-Participating	315538.74	331503.09	0:00	0	3:54	234	3:54	234
1595	Year-Round Residence	Non-Participating	315914.84	330004.21	0:00	0	3:49	229	3:49	229
1539	Year-Round Residence	Non-Participating	317531.49	332035.95	0:00	0	3:43	223	3:43	223
1583	Year-Round Residence	Non-Participating	318019.80	331786.40	0:00	0	3:38	218	3:38	218
1579	Year-Round Residence	Non-Participating	318317.00	331795.20	0:00	0	3:34	214	3:34	214
1582	Year-Round Residence	Non-Participating	318052.40	331754.82	0:00	0	3:32	212	3:32	212
1543	Year-Round Residence	Non-Participating	315555.89	331563.03	0:00	0	3:19	199	3:19	199
1949	Year-Round Residence	Non-Participating	319301.31	331553.68	0:00	0	3:12	192	3:12	192
1552	Year-Round Residence	Non-Participating	318173.58	332579.80	0:00	0	3:03	183	3:03	183
1553	Year-Round Residence	Non-Participating	318198.75	332538.77	0:00	0	3:03	183	3:03	183
1946	Year-Round Residence	Non-Participating	319627.52	331504.82	0:00	0	2:59	179	2:59	179
1592	Year-Round Residence	Non-Participating	316349.09	330103.34	0:00	0	2:43	163	2:43	163

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
1547	Year-Round Residence	Non-Participating	317251.00	331773.09	0:00	0	2:37	157	2:37	157
1944	Year-Round Residence	Non-Participating	319771.45	331408.73	0:00	0	2:31	151	2:31	151
1600	Year-Round Residence	Non-Participating	315282.32	330095.98	0:00	0	2:30	150	2:30	150
1945	Year-Round Residence	Non-Participating	319777.39	331483.12	0:00	0	2:15	135	2:15	135
1578	Year-Round Residence	Non-Participating	318876.04	331665.43	0:00	0	2:13	133	2:13	133
1554	Year-Round Residence	Non-Participating	318297.85	332645.62	0:00	0	2:11	131	2:11	131
1942	Year-Round Residence	Non-Participating	319870.45	331486.22	0:00	0	1:58	118	1:58	118
1555	Year-Round Residence	Non-Participating	318392.60	332680.07	0:00	0	1:48	108	1:48	108
1597	Year-Round Residence	Non-Participating	315758.86	330108.47	0:00	0	1:46	106	1:46	106
1540	Year-Round Residence	Non-Participating	315162.28	331387.59	0:00	0	1:41	101	1:41	101
1941	Year-Round Residence	Non-Participating	319967.59	331517.94	0:00	0	1:38	98	1:38	98
1957	Year-Round Residence	Non-Participating	320087.46	331982.84	0:00	0	1:37	97	1:37	97
1541	Year-Round Residence	Non-Participating	315242.14	331410.61	0:00	0	1:28	88	1:28	88
1940	Year-Round Residence	Non-Participating	320100.52	331425.22	0:00	0	1:25	85	1:25	85
1935	Year-Round Residence	Non-Participating	320246.45	331424.44	0:00	0	1:11	71	1:11	71
1938	Year-Round Residence	Non-Participating	320389.31	331187.74	0:00	0	1:08	68	1:08	68
1937	Year-Round Residence	Non-Participating	320362.01	331252.76	0:00	0	1:07	67	1:07	67
1936	Year-Round Residence	Non-Participating	320299.96	331389.93	0:00	0	1:06	66	1:06	66
1953	Year-Round Residence	Non-Participating	320234.27	331758.22	0:00	0	0:57	57	0:57	57
1955	Year-Round Residence	Non-Participating	320260.54	331835.74	0:00	0	0:57	57	0:57	57
1954	Year-Round Residence	Non-Participating	320290.86	331793.82	0:00	0	0:54	54	0:54	54
1575	Year-Round Residence	Non-Participating	318885.37	332111.27	0:00	0	0:52	52	0:52	52
1520	Year-Round Residence	Non-Participating	315012.13	330682.81	0:00	0	0:49	49	0:49	49
1574	Year-Round Residence	Non-Participating	318870.32	332207.11	0:00	0	0:49	49	0:49	49
1577	Year-Round Residence	Non-Participating	318937.99	332085.30	0:00	0	0:48	48	0:48	48
1576	Year-Round Residence	Non-Participating	318938.14	332143.57	0:00	0	0:46	46	0:46	46
2308	Year-Round Residence	Non-Participating	315007.78	330770.16	0:00	0	0:45	45	0:45	45
1573	Year-Round Residence	Non-Participating	318960.04	332427.90	0:00	0	0:35	35	0:35	35
1572	Year-Round Residence	Non-Participating	318945.85	332637.68	0:00	0	0:33	33	0:33	33
1939	Year-Round Residence	Non-Participating	320409.70	331132.71	0:00	0	0:33	33	0:33	33
1925	Year-Round Residence	Non-Participating	320502.63	330995.88	0:00	0	0:32	32	0:32	32
1523	Year-Round Residence	Non-Participating	315051.38	331423.62	0:00	0	0:30	30	0:30	30
1926	Year-Round Residence	Non-Participating	320494.89	331070.28	0:00	0	0:30	30	0:30	30
1571	Year-Round Residence	Non-Participating	318931.70	333010.16	0:00	0	0:28	28	0:28	28
1556	Year-Round Residence	Non-Participating	318899.32	333078.03	0:00	0	0:26	26	0:26	26
1956	Year-Round Residence	Non-Participating	320182.78	332025.79	0:00	0	0:26	26	0:26	26
1952	Year-Round Residence	Non-Participating	320322.13	331755.08	0:00	0	0:25	25	0:25	25
1958	Year-Round Residence	Non-Participating	319939.94	332260.59	0:00	0	0:01	1	0:01	1
2116	Year-Round Residence	Non-Participating	321181.58	325502.12	0:00	0	0:00	0	0:00	0
1	Year-Round Residence	Non-Participating	325840.23	321460.84	0:00	0	0:00	0	0:00	0
2	Year-Round Residence	Non-Participating	325754.47	321507.92	0:00	0	0:00	0	0:00	0
3	Year-Round Residence	Non-Participating	325773.13	321554.04	0:00	0	0:00	0	0:00	0
4	Year-Round Residence	Non-Participating	325850.26	321518.33	0:00	0	0:00	0	0:00	0
5	Year-Round Residence	Non-Participating	325787.58	321592.73	0:00	0	0:00	0	0:00	0
6	Year-Round Residence	Non-Participating	325858.58	321556.18	0:00	0	0:00	0	0:00	0
7	Year-Round Residence	Non-Participating	325791.13	321644.33	0:00	0	0:00	0	0:00	0
8	Year-Round Residence	Non-Participating	325882.95	321657.48	0:00	0	0:00	0	0:00	0
9	Year-Round Residence	Non-Participating	325793.62	321691.48	0:00	0	0:00	0	0:00	0
10	Year-Round Residence	Non-Participating	325877.89	321704.54	0:00	0	0:00	0	0:00	0
11	Year-Round Residence	Non-Participating	325847.64	321863.82	0:00	0	0:00	0	0:00	0
12	Year-Round Residence	Non-Participating	325851.42	321801.66	0:00	0	0:00	0	0:00	0
13	Year-Round Residence	Non-Participating	325790.73	321841.34	0:00	0	0:00	0	0:00	0
14	Year-Round Residence	Non-Participating	325780.07	321788.11	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
15	Year-Round Residence	Non-Participating	325640.85	321775.66	0:00	0	0:00	0	0:00	0
16	Year-Round Residence	Non-Participating	325636.37	321819.21	0:00	0	0:00	0	0:00	0
17	Year-Round Residence	Non-Participating	325637.21	321903.43	0:00	0	0:00	0	0:00	0
18	Year-Round Residence	Non-Participating	325704.43	321882.47	0:00	0	0:00	0	0:00	0
19	Year-Round Residence	Non-Participating	325613.58	321953.56	0:00	0	0:00	0	0:00	0
20	Year-Round Residence	Non-Participating	325707.94	321947.63	0:00	0	0:00	0	0:00	0
21	Year-Round Residence	Non-Participating	325721.23	322023.73	0:00	0	0:00	0	0:00	0
22	Year-Round Residence	Non-Participating	325727.19	322101.93	0:00	0	0:00	0	0:00	0
23	Year-Round Residence	Non-Participating	325773.25	322129.89	0:00	0	0:00	0	0:00	0
24	Year-Round Residence	Non-Participating	325778.46	322081.10	0:00	0	0:00	0	0:00	0
25	Year-Round Residence	Non-Participating	325779.27	322052.74	0:00	0	0:00	0	0:00	0
26	Year-Round Residence	Non-Participating	325782.01	322010.36	0:00	0	0:00	0	0:00	0
27	Year-Round Residence	Non-Participating	325591.17	322111.22	0:00	0	0:00	0	0:00	0
28	Year-Round Residence	Non-Participating	325563.80	322171.01	0:00	0	0:00	0	0:00	0
29	Year-Round Residence	Non-Participating	325745.99	322175.13	0:00	0	0:00	0	0:00	0
30	Year-Round Residence	Non-Participating	325836.88	322187.94	0:00	0	0:00	0	0:00	0
31	Year-Round Residence	Non-Participating	325863.10	322130.59	0:00	0	0:00	0	0:00	0
32	Year-Round Residence	Non-Participating	325881.08	322045.14	0:00	0	0:00	0	0:00	0
33	Year-Round Residence	Non-Participating	325941.38	322140.98	0:00	0	0:00	0	0:00	0
34	Year-Round Residence	Non-Participating	325981.28	322146.33	0:00	0	0:00	0	0:00	0
35	Year-Round Residence	Non-Participating	326022.01	322147.17	0:00	0	0:00	0	0:00	0
36	Year-Round Residence	Non-Participating	326026.29	322059.61	0:00	0	0:00	0	0:00	0
37	Year-Round Residence	Non-Participating	326026.98	322021.16	0:00	0	0:00	0	0:00	0
38	Year-Round Residence	Non-Participating	326084.58	321982.60	0:00	0	0:00	0	0:00	0
39	Year-Round Residence	Non-Participating	326077.80	322025.57	0:00	0	0:00	0	0:00	0
40	Year-Round Residence	Non-Participating	326082.63	322074.42	0:00	0	0:00	0	0:00	0
41	Year-Round Residence	Non-Participating	326023.60	322102.89	0:00	0	0:00	0	0:00	0
42	Year-Round Residence	Non-Participating	326068.32	322158.70	0:00	0	0:00	0	0:00	0
43	Year-Round Residence	Non-Participating	325979.48	322191.19	0:00	0	0:00	0	0:00	0
44	Year-Round Residence	Non-Participating	325946.34	322191.13	0:00	0	0:00	0	0:00	0
45	Year-Round Residence	Non-Participating	325947.77	321421.23	0:00	0	0:00	0	0:00	0
46	Year-Round Residence	Non-Participating	326213.99	322125.65	0:00	0	0:00	0	0:00	0
47	Year-Round Residence	Non-Participating	326197.40	322181.67	0:00	0	0:00	0	0:00	0
48	Year-Round Residence	Non-Participating	326173.76	322218.06	0:00	0	0:00	0	0:00	0
49	Year-Round Residence	Non-Participating	326151.94	322249.53	0:00	0	0:00	0	0:00	0
50	Year-Round Residence	Non-Participating	326123.63	322274.56	0:00	0	0:00	0	0:00	0
51	Year-Round Residence	Non-Participating	326082.28	322306.20	0:00	0	0:00	0	0:00	0
52	Year-Round Residence	Non-Participating	326037.96	322338.50	0:00	0	0:00	0	0:00	0
53	Year-Round Residence	Non-Participating	325987.99	322331.51	0:00	0	0:00	0	0:00	0
54	Year-Round Residence	Non-Participating	325985.59	322296.49	0:00	0	0:00	0	0:00	0
55	Year-Round Residence	Non-Participating	325939.18	322348.81	0:00	0	0:00	0	0:00	0
56	Year-Round Residence	Non-Participating	325897.37	322363.57	0:00	0	0:00	0	0:00	0
57	Year-Round Residence	Non-Participating	325866.71	322380.49	0:00	0	0:00	0	0:00	0
58	Year-Round Residence	Non-Participating	325829.44	322403.08	0:00	0	0:00	0	0:00	0
59	Year-Round Residence	Non-Participating	325778.09	322332.39	0:00	0	0:00	0	0:00	0
60	Year-Round Residence	Non-Participating	325486.42	322292.36	0:00	0	0:00	0	0:00	0
61	Year-Round Residence	Non-Participating	325428.67	322164.74	0:00	0	0:00	0	0:00	0
62	Year-Round Residence	Non-Participating	325277.25	322199.50	0:00	0	0:00	0	0:00	0
63	Year-Round Residence	Non-Participating	325378.12	322262.74	0:00	0	0:00	0	0:00	0
64	Year-Round Residence	Non-Participating	326105.29	322385.39	0:00	0	0:00	0	0:00	0
65	Year-Round Residence	Non-Participating	326120.83	322384.71	0:00	0	0:00	0	0:00	0
66	Year-Round Residence	Non-Participating	326146.44	322374.59	0:00	0	0:00	0	0:00	0
67	Year-Round Residence	Non-Participating	326163.79	322374.25	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
68	Year-Round Residence	Non-Participating	326189.85	322371.42	0:00	0	0:00	0	0:00	0
69	Year-Round Residence	Non-Participating	326227.52	322364.74	0:00	0	0:00	0	0:00	0
70	Year-Round Residence	Non-Participating	326258.55	322365.89	0:00	0	0:00	0	0:00	0
71	Year-Round Residence	Non-Participating	326274.10	322366.04	0:00	0	0:00	0	0:00	0
72	Year-Round Residence	Non-Participating	326289.72	322363.96	0:00	0	0:00	0	0:00	0
73	Year-Round Residence	Non-Participating	326324.44	322357.26	0:00	0	0:00	0	0:00	0
74	Year-Round Residence	Non-Participating	326340.61	322356.42	0:00	0	0:00	0	0:00	0
75	Year-Round Residence	Non-Participating	326447.94	322350.46	0:00	0	0:00	0	0:00	0
76	Year-Round Residence	Non-Participating	326434.67	322307.60	0:00	0	0:00	0	0:00	0
77	Year-Round Residence	Non-Participating	326433.90	322272.44	0:00	0	0:00	0	0:00	0
78	Year-Round Residence	Non-Participating	326467.63	322276.77	0:00	0	0:00	0	0:00	0
79	Year-Round Residence	Non-Participating	326464.91	322261.83	0:00	0	0:00	0	0:00	0
80	Year-Round Residence	Non-Participating	326460.67	322242.56	0:00	0	0:00	0	0:00	0
81	Year-Round Residence	Non-Participating	326456.49	322225.21	0:00	0	0:00	0	0:00	0
82	Year-Round Residence	Non-Participating	326422.04	322244.97	0:00	0	0:00	0	0:00	0
83	Year-Round Residence	Non-Participating	326456.47	322199.61	0:00	0	0:00	0	0:00	0
84	Year-Round Residence	Non-Participating	326426.47	322156.51	0:00	0	0:00	0	0:00	0
85	Year-Round Residence	Non-Participating	326455.56	322162.38	0:00	0	0:00	0	0:00	0
86	Year-Round Residence	Non-Participating	326474.82	322156.62	0:00	0	0:00	0	0:00	0
87	Year-Round Residence	Non-Participating	326473.89	322115.97	0:00	0	0:00	0	0:00	0
88	Year-Round Residence	Non-Participating	326494.70	322112.35	0:00	0	0:00	0	0:00	0
89	Year-Round Residence	Non-Participating	326521.89	322144.46	0:00	0	0:00	0	0:00	0
90	Year-Round Residence	Non-Participating	326525.65	322104.25	0:00	0	0:00	0	0:00	0
91	Year-Round Residence	Non-Participating	326559.22	322146.14	0:00	0	0:00	0	0:00	0
92	Year-Round Residence	Non-Participating	326560.55	322091.34	0:00	0	0:00	0	0:00	0
93	Year-Round Residence	Non-Participating	326565.70	322063.03	0:00	0	0:00	0	0:00	0
94	Year-Round Residence	Non-Participating	326577.01	322030.21	0:00	0	0:00	0	0:00	0
95	Year-Round Residence	Non-Participating	326586.64	321981.91	0:00	0	0:00	0	0:00	0
96	Year-Round Residence	Non-Participating	326621.58	322088.64	0:00	0	0:00	0	0:00	0
97	Year-Round Residence	Non-Participating	326623.57	322067.67	0:00	0	0:00	0	0:00	0
98	Year-Round Residence	Non-Participating	326453.54	322029.49	0:00	0	0:00	0	0:00	0
99	Year-Round Residence	Non-Participating	326476.38	322069.06	0:00	0	0:00	0	0:00	0
100	Year-Round Residence	Non-Participating	326356.15	321103.43	0:00	0	0:00	0	0:00	0
101	Year-Round Residence	Non-Participating	326204.28	321144.93	0:00	0	0:00	0	0:00	0
102	Year-Round Residence	Non-Participating	326675.85	320987.68	0:00	0	0:00	0	0:00	0
103	Year-Round Residence	Non-Participating	326680.94	320911.11	0:00	0	0:00	0	0:00	0
104	Year-Round Residence	Non-Participating	325631.11	321860.97	0:00	0	0:00	0	0:00	0
105	Year-Round Residence	Non-Participating	326747.88	320537.56	0:00	0	0:00	0	0:00	0
106	Year-Round Residence	Non-Participating	326769.58	320439.49	0:00	0	0:00	0	0:00	0
107	Year-Round Residence	Non-Participating	326757.47	320235.12	0:00	0	0:00	0	0:00	0
108	Year-Round Residence	Non-Participating	326649.77	320166.94	0:00	0	0:00	0	0:00	0
109	Year-Round Residence	Non-Participating	327107.05	321131.14	0:00	0	0:00	0	0:00	0
110	Year-Round Residence	Non-Participating	327100.78	321247.79	0:00	0	0:00	0	0:00	0
111	Year-Round Residence	Non-Participating	327260.08	321399.60	0:00	0	0:00	0	0:00	0
112	Year-Round Residence	Non-Participating	327356.80	320935.66	0:00	0	0:00	0	0:00	0
113	Year-Round Residence	Non-Participating	327370.63	320842.44	0:00	0	0:00	0	0:00	0
114	Year-Round Residence	Non-Participating	327352.24	320589.74	0:00	0	0:00	0	0:00	0
115	Year-Round Residence	Non-Participating	327283.70	320473.78	0:00	0	0:00	0	0:00	0
116	Year-Round Residence	Non-Participating	328217.19	321536.54	0:00	0	0:00	0	0:00	0
117	Year-Round Residence	Non-Participating	327395.38	320405.93	0:00	0	0:00	0	0:00	0
119	Year-Round Residence	Non-Participating	327443.98	320312.92	0:00	0	0:00	0	0:00	0
120	Year-Round Residence	Non-Participating	327877.12	320375.91	0:00	0	0:00	0	0:00	0
121	Year-Round Residence	Non-Participating	328174.72	320513.45	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
122	Year-Round Residence	Non-Participating	328253.83	320518.27	0:00	0	0:00	0	0:00	0
123	Year-Round Residence	Non-Participating	328180.55	320592.48	0:00	0	0:00	0	0:00	0
124	Year-Round Residence	Non-Participating	328172.35	320650.31	0:00	0	0:00	0	0:00	0
125	Year-Round Residence	Non-Participating	328299.81	320709.53	0:00	0	0:00	0	0:00	0
126	Year-Round Residence	Non-Participating	328419.92	320612.14	0:00	0	0:00	0	0:00	0
127	Year-Round Residence	Non-Participating	328508.22	320631.35	0:00	0	0:00	0	0:00	0
128	Year-Round Residence	Non-Participating	328148.73	320791.41	0:00	0	0:00	0	0:00	0
129	Year-Round Residence	Non-Participating	328152.43	320966.12	0:00	0	0:00	0	0:00	0
130	Year-Round Residence	Non-Participating	328226.95	320966.84	0:00	0	0:00	0	0:00	0
131	Year-Round Residence	Non-Participating	328214.86	321037.02	0:00	0	0:00	0	0:00	0
132	Year-Round Residence	Non-Participating	328195.35	321178.43	0:00	0	0:00	0	0:00	0
133	Year-Round Residence	Non-Participating	328248.10	321412.38	0:00	0	0:00	0	0:00	0
134	Year-Round Residence	Non-Participating	328163.61	321566.66	0:00	0	0:00	0	0:00	0
135	Year-Round Residence	Non-Participating	328293.42	321676.93	0:00	0	0:00	0	0:00	0
136	Year-Round Residence	Non-Participating	328296.22	321835.79	0:00	0	0:00	0	0:00	0
137	Year-Round Residence	Non-Participating	328289.17	321931.08	0:00	0	0:00	0	0:00	0
138	Year-Round Residence	Non-Participating	328303.17	322063.21	0:00	0	0:00	0	0:00	0
139	Year-Round Residence	Non-Participating	328284.81	322165.67	0:00	0	0:00	0	0:00	0
140	Year-Round Residence	Non-Participating	328410.05	322337.42	0:00	0	0:00	0	0:00	0
141	Year-Round Residence	Non-Participating	327224.97	321852.31	0:00	0	0:00	0	0:00	0
142	Year-Round Residence	Non-Participating	327284.95	321823.71	0:00	0	0:00	0	0:00	0
143	Year-Round Residence	Non-Participating	327302.32	321753.34	0:00	0	0:00	0	0:00	0
144	Year-Round Residence	Non-Participating	327354.12	321805.50	0:00	0	0:00	0	0:00	0
145	Year-Round Residence	Non-Participating	327377.69	321739.49	0:00	0	0:00	0	0:00	0
146	Year-Round Residence	Non-Participating	327130.85	321870.42	0:00	0	0:00	0	0:00	0
147	Year-Round Residence	Non-Participating	327101.69	321856.91	0:00	0	0:00	0	0:00	0
148	Year-Round Residence	Non-Participating	327113.65	321933.39	0:00	0	0:00	0	0:00	0
149	Year-Round Residence	Non-Participating	327051.71	321915.43	0:00	0	0:00	0	0:00	0
150	Year-Round Residence	Non-Participating	327089.10	322008.66	0:00	0	0:00	0	0:00	0
151	Year-Round Residence	Non-Participating	327051.28	322233.31	0:00	0	0:00	0	0:00	0
152	Year-Round Residence	Non-Participating	326831.30	322304.31	0:00	0	0:00	0	0:00	0
153	Year-Round Residence	Non-Participating	326815.90	322295.53	0:00	0	0:00	0	0:00	0
154	Year-Round Residence	Non-Participating	326768.36	322265.85	0:00	0	0:00	0	0:00	0
155	Year-Round Residence	Non-Participating	326807.24	322258.82	0:00	0	0:00	0	0:00	0
156	Year-Round Residence	Non-Participating	326762.58	322244.21	0:00	0	0:00	0	0:00	0
157	Year-Round Residence	Non-Participating	326803.42	322240.18	0:00	0	0:00	0	0:00	0
158	Year-Round Residence	Non-Participating	326761.36	322228.10	0:00	0	0:00	0	0:00	0
159	Year-Round Residence	Non-Participating	326759.92	322208.76	0:00	0	0:00	0	0:00	0
160	Year-Round Residence	Non-Participating	326803.67	322214.09	0:00	0	0:00	0	0:00	0
161	Year-Round Residence	Non-Participating	326760.72	322189.95	0:00	0	0:00	0	0:00	0
162	Year-Round Residence	Non-Participating	326800.15	322193.17	0:00	0	0:00	0	0:00	0
163	Year-Round Residence	Non-Participating	326753.85	322133.68	0:00	0	0:00	0	0:00	0
164	Year-Round Residence	Non-Participating	326759.84	322170.90	0:00	0	0:00	0	0:00	0
165	Year-Round Residence	Non-Participating	326796.75	322159.18	0:00	0	0:00	0	0:00	0
166	Year-Round Residence	Non-Participating	326797.74	322136.79	0:00	0	0:00	0	0:00	0
167	Year-Round Residence	Non-Participating	326775.14	322096.60	0:00	0	0:00	0	0:00	0
168	Year-Round Residence	Non-Participating	326755.65	322092.66	0:00	0	0:00	0	0:00	0
169	Year-Round Residence	Non-Participating	326716.36	322125.75	0:00	0	0:00	0	0:00	0
170	Year-Round Residence	Non-Participating	326730.36	322090.96	0:00	0	0:00	0	0:00	0
171	Year-Round Residence	Non-Participating	326706.98	322089.66	0:00	0	0:00	0	0:00	0
172	Year-Round Residence	Non-Participating	326684.02	322087.28	0:00	0	0:00	0	0:00	0
173	Year-Round Residence	Non-Participating	326670.84	322131.14	0:00	0	0:00	0	0:00	0
174	Year-Round Residence	Non-Participating	326667.40	322092.29	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
175	Year-Round Residence	Non-Participating	326650.10	322130.53	0:00	0	0:00	0	0:00	0
176	Year-Round Residence	Non-Participating	326649.80	322085.32	0:00	0	0:00	0	0:00	0
177	Year-Round Residence	Non-Participating	326620.03	322126.48	0:00	0	0:00	0	0:00	0
178	Year-Round Residence	Non-Participating	326634.00	322027.99	0:00	0	0:00	0	0:00	0
179	Year-Round Residence	Non-Participating	326554.28	322171.11	0:00	0	0:00	0	0:00	0
180	Year-Round Residence	Non-Participating	326612.56	322157.50	0:00	0	0:00	0	0:00	0
181	Year-Round Residence	Non-Participating	326610.46	322190.73	0:00	0	0:00	0	0:00	0
182	Year-Round Residence	Non-Participating	326553.32	322184.81	0:00	0	0:00	0	0:00	0
183	Year-Round Residence	Non-Participating	326540.47	322207.94	0:00	0	0:00	0	0:00	0
184	Year-Round Residence	Non-Participating	326539.82	322232.56	0:00	0	0:00	0	0:00	0
185	Year-Round Residence	Non-Participating	326611.16	322219.14	0:00	0	0:00	0	0:00	0
186	Year-Round Residence	Non-Participating	326533.84	322249.58	0:00	0	0:00	0	0:00	0
187	Year-Round Residence	Non-Participating	326603.48	322270.14	0:00	0	0:00	0	0:00	0
188	Year-Round Residence	Non-Participating	326532.28	322270.93	0:00	0	0:00	0	0:00	0
189	Year-Round Residence	Non-Participating	326598.50	322294.71	0:00	0	0:00	0	0:00	0
190	Year-Round Residence	Non-Participating	326591.79	322323.24	0:00	0	0:00	0	0:00	0
191	Year-Round Residence	Non-Participating	326595.31	322308.98	0:00	0	0:00	0	0:00	0
192	Year-Round Residence	Non-Participating	326589.55	322341.41	0:00	0	0:00	0	0:00	0
193	Year-Round Residence	Non-Participating	326676.31	322332.50	0:00	0	0:00	0	0:00	0
194	Year-Round Residence	Non-Participating	326161.71	322430.19	0:00	0	0:00	0	0:00	0
195	Year-Round Residence	Non-Participating	326044.14	322473.88	0:00	0	0:00	0	0:00	0
196	Year-Round Residence	Non-Participating	326071.94	322443.89	0:00	0	0:00	0	0:00	0
197	Year-Round Residence	Non-Participating	326095.46	322575.69	0:00	0	0:00	0	0:00	0
198	Year-Round Residence	Non-Participating	326082.16	322599.71	0:00	0	0:00	0	0:00	0
199	Year-Round Residence	Non-Participating	326067.54	322628.39	0:00	0	0:00	0	0:00	0
200	Year-Round Residence	Non-Participating	326049.40	322661.58	0:00	0	0:00	0	0:00	0
201	Year-Round Residence	Non-Participating	325919.00	322545.91	0:00	0	0:00	0	0:00	0
202	Year-Round Residence	Non-Participating	325916.89	322592.99	0:00	0	0:00	0	0:00	0
203	Year-Round Residence	Non-Participating	325949.51	322642.88	0:00	0	0:00	0	0:00	0
204	Year-Round Residence	Non-Participating	325966.22	322666.88	0:00	0	0:00	0	0:00	0
205	Year-Round Residence	Non-Participating	325978.97	322700.94	0:00	0	0:00	0	0:00	0
206	Year-Round Residence	Non-Participating	325963.05	322734.26	0:00	0	0:00	0	0:00	0
207	Year-Round Residence	Non-Participating	326012.30	322736.42	0:00	0	0:00	0	0:00	0
208	Year-Round Residence	Non-Participating	326002.32	322766.84	0:00	0	0:00	0	0:00	0
209	Year-Round Residence	Non-Participating	325989.38	322800.52	0:00	0	0:00	0	0:00	0
210	Year-Round Residence	Non-Participating	325940.04	322785.35	0:00	0	0:00	0	0:00	0
211	Year-Round Residence	Non-Participating	325929.00	322813.48	0:00	0	0:00	0	0:00	0
212	Year-Round Residence	Non-Participating	325976.43	322838.28	0:00	0	0:00	0	0:00	0
213	Year-Round Residence	Non-Participating	325920.05	322841.49	0:00	0	0:00	0	0:00	0
214	Year-Round Residence	Non-Participating	325959.23	322897.52	0:00	0	0:00	0	0:00	0
215	Year-Round Residence	Non-Participating	325996.76	322899.21	0:00	0	0:00	0	0:00	0
216	Year-Round Residence	Non-Participating	326031.60	322899.82	0:00	0	0:00	0	0:00	0
217	Year-Round Residence	Non-Participating	326035.96	322851.06	0:00	0	0:00	0	0:00	0
218	Year-Round Residence	Non-Participating	326067.37	322899.13	0:00	0	0:00	0	0:00	0
219	Year-Round Residence	Non-Participating	326094.56	322884.30	0:00	0	0:00	0	0:00	0
220	Year-Round Residence	Non-Participating	326109.80	322858.36	0:00	0	0:00	0	0:00	0
221	Year-Round Residence	Non-Participating	326128.03	322827.51	0:00	0	0:00	0	0:00	0
222	Year-Round Residence	Non-Participating	326071.83	322823.57	0:00	0	0:00	0	0:00	0
223	Year-Round Residence	Non-Participating	326087.69	322800.28	0:00	0	0:00	0	0:00	0
224	Year-Round Residence	Non-Participating	326146.78	322798.12	0:00	0	0:00	0	0:00	0
225	Year-Round Residence	Non-Participating	326160.23	322776.80	0:00	0	0:00	0	0:00	0
226	Year-Round Residence	Non-Participating	326109.75	322757.54	0:00	0	0:00	0	0:00	0
227	Year-Round Residence	Non-Participating	326084.61	322741.57	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
228	Year-Round Residence	Non-Participating	326056.12	322728.81	0:00	0	0:00	0	0:00	0
229	Year-Round Residence	Non-Participating	326078.93	322686.95	0:00	0	0:00	0	0:00	0
230	Year-Round Residence	Non-Participating	326251.05	322539.98	0:00	0	0:00	0	0:00	0
231	Year-Round Residence	Non-Participating	326253.25	322493.34	0:00	0	0:00	0	0:00	0
232	Year-Round Residence	Non-Participating	326212.36	322492.36	0:00	0	0:00	0	0:00	0
233	Year-Round Residence	Non-Participating	326249.71	322480.17	0:00	0	0:00	0	0:00	0
234	Year-Round Residence	Non-Participating	326214.01	322463.60	0:00	0	0:00	0	0:00	0
235	Year-Round Residence	Non-Participating	326213.45	322446.02	0:00	0	0:00	0	0:00	0
236	Year-Round Residence	Non-Participating	326199.53	322419.61	0:00	0	0:00	0	0:00	0
237	Year-Round Residence	Non-Participating	326304.35	322414.17	0:00	0	0:00	0	0:00	0
238	Year-Round Residence	Non-Participating	326327.43	322421.74	0:00	0	0:00	0	0:00	0
239	Year-Round Residence	Non-Participating	326397.02	322404.89	0:00	0	0:00	0	0:00	0
240	Year-Round Residence	Non-Participating	326432.58	322409.06	0:00	0	0:00	0	0:00	0
241	Year-Round Residence	Non-Participating	326460.49	322404.68	0:00	0	0:00	0	0:00	0
242	Year-Round Residence	Non-Participating	326529.08	322442.66	0:00	0	0:00	0	0:00	0
243	Year-Round Residence	Non-Participating	326504.26	322458.88	0:00	0	0:00	0	0:00	0
244	Year-Round Residence	Non-Participating	326453.62	322467.47	0:00	0	0:00	0	0:00	0
245	Year-Round Residence	Non-Participating	326489.87	322481.50	0:00	0	0:00	0	0:00	0
246	Year-Round Residence	Non-Participating	326442.42	322485.27	0:00	0	0:00	0	0:00	0
247	Year-Round Residence	Non-Participating	326479.68	322503.72	0:00	0	0:00	0	0:00	0
248	Year-Round Residence	Non-Participating	326426.41	322501.31	0:00	0	0:00	0	0:00	0
249	Year-Round Residence	Non-Participating	326456.19	322530.61	0:00	0	0:00	0	0:00	0
250	Year-Round Residence	Non-Participating	326466.70	322517.63	0:00	0	0:00	0	0:00	0
251	Year-Round Residence	Non-Participating	326416.00	322520.18	0:00	0	0:00	0	0:00	0
252	Year-Round Residence	Non-Participating	326227.00	322806.51	0:00	0	0:00	0	0:00	0
253	Year-Round Residence	Non-Participating	326210.33	322834.24	0:00	0	0:00	0	0:00	0
254	Year-Round Residence	Non-Participating	326195.41	322861.34	0:00	0	0:00	0	0:00	0
255	Year-Round Residence	Non-Participating	326177.72	322888.26	0:00	0	0:00	0	0:00	0
256	Year-Round Residence	Non-Participating	326191.78	322947.31	0:00	0	0:00	0	0:00	0
257	Year-Round Residence	Non-Participating	326150.47	323023.01	0:00	0	0:00	0	0:00	0
258	Year-Round Residence	Non-Participating	326109.80	323093.80	0:00	0	0:00	0	0:00	0
259	Year-Round Residence	Non-Participating	326072.00	323131.30	0:00	0	0:00	0	0:00	0
260	Year-Round Residence	Non-Participating	326035.11	323102.98	0:00	0	0:00	0	0:00	0
261	Year-Round Residence	Non-Participating	326056.55	323076.44	0:00	0	0:00	0	0:00	0
262	Year-Round Residence	Non-Participating	325970.90	323084.49	0:00	0	0:00	0	0:00	0
263	Year-Round Residence	Non-Participating	325936.56	323044.95	0:00	0	0:00	0	0:00	0
264	Year-Round Residence	Non-Participating	325904.31	323193.03	0:00	0	0:00	0	0:00	0
265	Year-Round Residence	Non-Participating	325943.43	323165.91	0:00	0	0:00	0	0:00	0
266	Year-Round Residence	Non-Participating	325688.94	323400.19	0:00	0	0:00	0	0:00	0
267	Year-Round Residence	Non-Participating	325817.19	323510.11	0:00	0	0:00	0	0:00	0
268	Year-Round Residence	Non-Participating	326764.17	322468.57	0:00	0	0:00	0	0:00	0
269	Year-Round Residence	Non-Participating	326667.97	322524.18	0:00	0	0:00	0	0:00	0
270	Year-Round Residence	Non-Participating	326667.19	322500.74	0:00	0	0:00	0	0:00	0
271	Year-Round Residence	Non-Participating	326667.43	322475.48	0:00	0	0:00	0	0:00	0
272	Year-Round Residence	Non-Participating	326772.46	322375.42	0:00	0	0:00	0	0:00	0
273	Year-Round Residence	Non-Participating	326794.69	322378.47	0:00	0	0:00	0	0:00	0
274	Year-Round Residence	Non-Participating	326835.43	322373.90	0:00	0	0:00	0	0:00	0
275	Year-Round Residence	Non-Participating	326857.51	322364.40	0:00	0	0:00	0	0:00	0
276	Year-Round Residence	Non-Participating	327017.05	322368.48	0:00	0	0:00	0	0:00	0
277	Year-Round Residence	Non-Participating	327014.10	322408.47	0:00	0	0:00	0	0:00	0
278	Year-Round Residence	Non-Participating	327070.14	322361.95	0:00	0	0:00	0	0:00	0
279	Year-Round Residence	Non-Participating	327064.61	322406.58	0:00	0	0:00	0	0:00	0
280	Year-Round Residence	Non-Participating	327062.33	322434.71	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
281	Year-Round Residence	Non-Participating	327012.01	322453.20	0:00	0	0:00	0	0:00	0
282	Year-Round Residence	Non-Participating	327052.19	322456.35	0:00	0	0:00	0	0:00	0
283	Year-Round Residence	Non-Participating	327011.15	322470.72	0:00	0	0:00	0	0:00	0
284	Year-Round Residence	Non-Participating	327049.08	322486.06	0:00	0	0:00	0	0:00	0
285	Year-Round Residence	Non-Participating	327006.93	322488.90	0:00	0	0:00	0	0:00	0
286	Year-Round Residence	Non-Participating	327009.30	322509.29	0:00	0	0:00	0	0:00	0
287	Year-Round Residence	Non-Participating	327049.92	322507.28	0:00	0	0:00	0	0:00	0
288	Year-Round Residence	Non-Participating	327047.19	322527.68	0:00	0	0:00	0	0:00	0
289	Year-Round Residence	Non-Participating	327010.17	322539.49	0:00	0	0:00	0	0:00	0
290	Year-Round Residence	Non-Participating	327048.54	322557.17	0:00	0	0:00	0	0:00	0
291	Year-Round Residence	Non-Participating	327008.82	322564.09	0:00	0	0:00	0	0:00	0
292	Year-Round Residence	Non-Participating	327007.63	322604.11	0:00	0	0:00	0	0:00	0
293	Year-Round Residence	Non-Participating	327045.16	322605.78	0:00	0	0:00	0	0:00	0
294	Year-Round Residence	Non-Participating	327036.80	322645.48	0:00	0	0:00	0	0:00	0
295	Year-Round Residence	Non-Participating	326993.27	322655.28	0:00	0	0:00	0	0:00	0
296	Year-Round Residence	Non-Participating	326996.76	322700.81	0:00	0	0:00	0	0:00	0
297	Year-Round Residence	Non-Participating	327036.11	322748.56	0:00	0	0:00	0	0:00	0
298	Year-Round Residence	Non-Participating	327035.61	322730.62	0:00	0	0:00	0	0:00	0
299	Year-Round Residence	Non-Participating	327000.50	322800.86	0:00	0	0:00	0	0:00	0
300	Year-Round Residence	Non-Participating	326998.44	322835.24	0:00	0	0:00	0	0:00	0
301	Year-Round Residence	Non-Participating	327005.40	322897.63	0:00	0	0:00	0	0:00	0
302	Year-Round Residence	Non-Participating	327001.16	322943.95	0:00	0	0:00	0	0:00	0
303	Year-Round Residence	Non-Participating	326998.03	322995.17	0:00	0	0:00	0	0:00	0
304	Year-Round Residence	Non-Participating	327057.28	322984.81	0:00	0	0:00	0	0:00	0
305	Year-Round Residence	Non-Participating	327063.23	323118.10	0:00	0	0:00	0	0:00	0
306	Year-Round Residence	Non-Participating	327084.97	322277.60	0:00	0	0:00	0	0:00	0
307	Year-Round Residence	Non-Participating	327101.06	322276.03	0:00	0	0:00	0	0:00	0
308	Year-Round Residence	Non-Participating	327092.26	322255.75	0:00	0	0:00	0	0:00	0
309	Year-Round Residence	Non-Participating	327118.07	322271.47	0:00	0	0:00	0	0:00	0
310	Year-Round Residence	Non-Participating	327107.75	322199.90	0:00	0	0:00	0	0:00	0
311	Year-Round Residence	Non-Participating	327113.54	322169.88	0:00	0	0:00	0	0:00	0
312	Year-Round Residence	Non-Participating	327123.78	322147.08	0:00	0	0:00	0	0:00	0
313	Year-Round Residence	Non-Participating	327125.02	322122.95	0:00	0	0:00	0	0:00	0
314	Year-Round Residence	Non-Participating	327158.31	322084.68	0:00	0	0:00	0	0:00	0
315	Year-Round Residence	Non-Participating	327160.79	322017.54	0:00	0	0:00	0	0:00	0
316	Year-Round Residence	Non-Participating	327165.20	321991.53	0:00	0	0:00	0	0:00	0
317	Year-Round Residence	Non-Participating	327185.01	321918.60	0:00	0	0:00	0	0:00	0
318	Year-Round Residence	Non-Participating	327132.91	322274.37	0:00	0	0:00	0	0:00	0
319	Year-Round Residence	Non-Participating	327162.34	322271.36	0:00	0	0:00	0	0:00	0
320	Year-Round Residence	Non-Participating	327114.11	322352.00	0:00	0	0:00	0	0:00	0
321	Year-Round Residence	Non-Participating	327132.91	322345.07	0:00	0	0:00	0	0:00	0
322	Year-Round Residence	Non-Participating	327148.05	322342.39	0:00	0	0:00	0	0:00	0
323	Year-Round Residence	Non-Participating	327168.67	322343.92	0:00	0	0:00	0	0:00	0
324	Year-Round Residence	Non-Participating	327202.22	322336.59	0:00	0	0:00	0	0:00	0
325	Year-Round Residence	Non-Participating	327319.35	322328.27	0:00	0	0:00	0	0:00	0
326	Year-Round Residence	Non-Participating	327273.31	322243.51	0:00	0	0:00	0	0:00	0
327	Year-Round Residence	Non-Participating	327224.69	322185.11	0:00	0	0:00	0	0:00	0
328	Year-Round Residence	Non-Participating	327289.47	322184.90	0:00	0	0:00	0	0:00	0
329	Year-Round Residence	Non-Participating	327295.13	322148.05	0:00	0	0:00	0	0:00	0
330	Year-Round Residence	Non-Participating	327247.53	322107.59	0:00	0	0:00	0	0:00	0
331	Year-Round Residence	Non-Participating	327297.36	322088.44	0:00	0	0:00	0	0:00	0
332	Year-Round Residence	Non-Participating	327247.87	322075.51	0:00	0	0:00	0	0:00	0
333	Year-Round Residence	Non-Participating	327295.30	322051.27	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind-Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind-Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
334	Year-Round Residence	Non-Participating	327246.89	322042.21	0:00	0	0:00	0	0:00	0
335	Year-Round Residence	Non-Participating	327239.89	321980.71	0:00	0	0:00	0	0:00	0
336	Year-Round Residence	Non-Participating	327294.91	322020.27	0:00	0	0:00	0	0:00	0
337	Year-Round Residence	Non-Participating	327295.96	321998.04	0:00	0	0:00	0	0:00	0
338	Year-Round Residence	Non-Participating	327317.86	322402.15	0:00	0	0:00	0	0:00	0
339	Year-Round Residence	Non-Participating	327355.37	322379.77	0:00	0	0:00	0	0:00	0
340	Year-Round Residence	Non-Participating	327387.67	322332.34	0:00	0	0:00	0	0:00	0
341	Year-Round Residence	Non-Participating	327436.74	322398.18	0:00	0	0:00	0	0:00	0
342	Year-Round Residence	Non-Participating	327487.04	322406.38	0:00	0	0:00	0	0:00	0
343	Year-Round Residence	Non-Participating	327439.61	322343.42	0:00	0	0:00	0	0:00	0
344	Year-Round Residence	Non-Participating	327578.97	322416.61	0:00	0	0:00	0	0:00	0
345	Year-Round Residence	Non-Participating	327671.56	322409.46	0:00	0	0:00	0	0:00	0
346	Year-Round Residence	Non-Participating	327708.66	322385.94	0:00	0	0:00	0	0:00	0
347	Year-Round Residence	Non-Participating	327737.69	322342.00	0:00	0	0:00	0	0:00	0
348	Year-Round Residence	Non-Participating	327518.29	322232.30	0:00	0	0:00	0	0:00	0
349	Year-Round Residence	Non-Participating	327593.63	322175.43	0:00	0	0:00	0	0:00	0
350	Year-Round Residence	Non-Participating	327774.36	322239.03	0:00	0	0:00	0	0:00	0
351	Year-Round Residence	Non-Participating	327864.16	322252.21	0:00	0	0:00	0	0:00	0
352	Year-Round Residence	Non-Participating	327826.81	322403.84	0:00	0	0:00	0	0:00	0
353	Year-Round Residence	Non-Participating	327746.85	322493.71	0:00	0	0:00	0	0:00	0
354	Year-Round Residence	Non-Participating	327758.44	322544.07	0:00	0	0:00	0	0:00	0
355	Year-Round Residence	Non-Participating	327784.93	322350.08	0:00	0	0:00	0	0:00	0
356	Year-Round Residence	Non-Participating	327875.00	322466.16	0:00	0	0:00	0	0:00	0
357	Year-Round Residence	Non-Participating	327741.07	322620.50	0:00	0	0:00	0	0:00	0
358	Year-Round Residence	Non-Participating	328115.21	322400.23	0:00	0	0:00	0	0:00	0
359	Year-Round Residence	Non-Participating	328080.29	322374.43	0:00	0	0:00	0	0:00	0
360	Year-Round Residence	Non-Participating	328167.59	322441.83	0:00	0	0:00	0	0:00	0
361	Year-Round Residence	Non-Participating	328245.38	322456.12	0:00	0	0:00	0	0:00	0
362	Year-Round Residence	Non-Participating	328243.96	322366.18	0:00	0	0:00	0	0:00	0
363	Year-Round Residence	Non-Participating	328505.63	322591.87	0:00	0	0:00	0	0:00	0
364	Year-Round Residence	Non-Participating	328604.56	322462.73	0:00	0	0:00	0	0:00	0
365	Year-Round Residence	Non-Participating	328657.15	322615.95	0:00	0	0:00	0	0:00	0
366	Year-Round Residence	Non-Participating	328591.63	322598.68	0:00	0	0:00	0	0:00	0
367	Year-Round Residence	Non-Participating	328730.35	322476.93	0:00	0	0:00	0	0:00	0
368	Year-Round Residence	Non-Participating	328765.82	322449.94	0:00	0	0:00	0	0:00	0
369	Year-Round Residence	Non-Participating	328804.74	322411.32	0:00	0	0:00	0	0:00	0
370	Year-Round Residence	Non-Participating	329071.43	322221.22	0:00	0	0:00	0	0:00	0
371	Year-Round Residence	Non-Participating	329113.31	322215.70	0:00	0	0:00	0	0:00	0
372	Year-Round Residence	Non-Participating	329262.00	322182.15	0:00	0	0:00	0	0:00	0
373	Year-Round Residence	Non-Participating	329215.75	322259.64	0:00	0	0:00	0	0:00	0
374	Year-Round Residence	Non-Participating	329242.99	322252.10	0:00	0	0:00	0	0:00	0
375	Year-Round Residence	Non-Participating	329546.99	322190.42	0:00	0	0:00	0	0:00	0
376	Year-Round Residence	Non-Participating	329633.74	322049.85	0:00	0	0:00	0	0:00	0
377	Year-Round Residence	Non-Participating	329680.48	322018.00	0:00	0	0:00	0	0:00	0
378	Year-Round Residence	Non-Participating	329887.83	321957.02	0:00	0	0:00	0	0:00	0
379	Year-Round Residence	Non-Participating	329943.11	321669.34	0:00	0	0:00	0	0:00	0
380	Year-Round Residence	Non-Participating	329902.24	321543.82	0:00	0	0:00	0	0:00	0
381	Year-Round Residence	Non-Participating	329960.18	321479.68	0:00	0	0:00	0	0:00	0
382	Year-Round Residence	Non-Participating	330037.86	321542.29	0:00	0	0:00	0	0:00	0
383	Year-Round Residence	Non-Participating	328668.88	320701.85	0:00	0	0:00	0	0:00	0
384	Year-Round Residence	Non-Participating	325747.82	322512.27	0:00	0	0:00	0	0:00	0
385	Year-Round Residence	Non-Participating	325691.36	322432.79	0:00	0	0:00	0	0:00	0
386	Year-Round Residence	Non-Participating	325362.64	322473.94	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
387	Year-Round Residence	Non-Participating	325260.28	322501.80	0:00	0	0:00	0	0:00	0
388	Year-Round Residence	Non-Participating	325202.18	322562.82	0:00	0	0:00	0	0:00	0
389	Year-Round Residence	Non-Participating	325221.35	322646.99	0:00	0	0:00	0	0:00	0
390	Year-Round Residence	Non-Participating	325131.89	322598.09	0:00	0	0:00	0	0:00	0
391	Year-Round Residence	Non-Participating	325085.68	322631.06	0:00	0	0:00	0	0:00	0
392	Year-Round Residence	Non-Participating	325035.21	322647.49	0:00	0	0:00	0	0:00	0
393	Year-Round Residence	Non-Participating	324888.97	322796.77	0:00	0	0:00	0	0:00	0
395	Year-Round Residence	Non-Participating	324475.83	322913.65	0:00	0	0:00	0	0:00	0
396	Year-Round Residence	Non-Participating	324407.34	322935.86	0:00	0	0:00	0	0:00	0
397	Year-Round Residence	Non-Participating	324446.86	322724.30	0:00	0	0:00	0	0:00	0
398	Year-Round Residence	Non-Participating	324572.41	322733.08	0:00	0	0:00	0	0:00	0
399	Year-Round Residence	Non-Participating	324536.65	322669.04	0:00	0	0:00	0	0:00	0
400	Year-Round Residence	Non-Participating	324387.22	322517.43	0:00	0	0:00	0	0:00	0
401	Year-Round Residence	Non-Participating	324427.60	322410.56	0:00	0	0:00	0	0:00	0
402	Year-Round Residence	Non-Participating	324386.26	322459.87	0:00	0	0:00	0	0:00	0
403	Year-Round Residence	Non-Participating	324348.99	322205.28	0:00	0	0:00	0	0:00	0
404	Year-Round Residence	Non-Participating	324459.52	322181.24	0:00	0	0:00	0	0:00	0
405	Year-Round Residence	Non-Participating	324372.32	321726.74	0:00	0	0:00	0	0:00	0
406	Year-Round Residence	Non-Participating	324464.71	321669.41	0:00	0	0:00	0	0:00	0
407	Year-Round Residence	Non-Participating	324450.11	321630.16	0:00	0	0:00	0	0:00	0
408	Year-Round Residence	Non-Participating	324352.67	321602.86	0:00	0	0:00	0	0:00	0
409	Year-Round Residence	Non-Participating	324306.07	321611.73	0:00	0	0:00	0	0:00	0
410	Year-Round Residence	Non-Participating	324361.75	321305.73	0:00	0	0:00	0	0:00	0
411	Year-Round Residence	Non-Participating	324279.94	321352.65	0:00	0	0:00	0	0:00	0
413	Year-Round Residence	Non-Participating	323942.85	321399.04	0:00	0	0:00	0	0:00	0
414	Year-Round Residence	Non-Participating	324501.52	321125.51	0:00	0	0:00	0	0:00	0
415	Year-Round Residence	Non-Participating	324752.92	320946.95	0:00	0	0:00	0	0:00	0
416	Year-Round Residence	Non-Participating	324684.12	320689.00	0:00	0	0:00	0	0:00	0
417	Year-Round Residence	Non-Participating	324760.65	320664.49	0:00	0	0:00	0	0:00	0
418	Year-Round Residence	Non-Participating	324945.95	321020.41	0:00	0	0:00	0	0:00	0
419	Year-Round Residence	Non-Participating	325245.51	321354.16	0:00	0	0:00	0	0:00	0
420	Year-Round Residence	Non-Participating	325140.17	321415.46	0:00	0	0:00	0	0:00	0
421	Year-Round Residence	Non-Participating	325273.19	321558.66	0:00	0	0:00	0	0:00	0
422	Year-Round Residence	Non-Participating	325171.43	321725.60	0:00	0	0:00	0	0:00	0
423	Year-Round Residence	Non-Participating	325059.93	321691.52	0:00	0	0:00	0	0:00	0
424	Year-Round Residence	Non-Participating	324976.24	321671.63	0:00	0	0:00	0	0:00	0
425	Year-Round Residence	Non-Participating	324901.86	321672.93	0:00	0	0:00	0	0:00	0
426	Year-Round Residence	Non-Participating	324870.24	321730.51	0:00	0	0:00	0	0:00	0
427	Year-Round Residence	Non-Participating	324705.38	321796.47	0:00	0	0:00	0	0:00	0
428	Year-Round Residence	Non-Participating	325411.66	321661.95	0:00	0	0:00	0	0:00	0
429	Year-Round Residence	Non-Participating	325467.09	321646.17	0:00	0	0:00	0	0:00	0
430	Year-Round Residence	Non-Participating	325612.56	321530.12	0:00	0	0:00	0	0:00	0
431	Year-Round Residence	Non-Participating	325714.35	321444.97	0:00	0	0:00	0	0:00	0
432	Year-Round Residence	Non-Participating	324202.08	322439.62	0:00	0	0:00	0	0:00	0
433	Year-Round Residence	Non-Participating	324165.19	322499.02	0:00	0	0:00	0	0:00	0
434	Year-Round Residence	Non-Participating	324085.25	322502.38	0:00	0	0:00	0	0:00	0
435	Year-Round Residence	Non-Participating	324004.12	322420.23	0:00	0	0:00	0	0:00	0
436	Year-Round Residence	Non-Participating	324053.58	322673.73	0:00	0	0:00	0	0:00	0
437	Year-Round Residence	Non-Participating	323896.71	322619.92	0:00	0	0:00	0	0:00	0
438	Year-Round Residence	Non-Participating	323774.65	322524.35	0:00	0	0:00	0	0:00	0
439	Year-Round Residence	Non-Participating	323707.95	322516.51	0:00	0	0:00	0	0:00	0
440	Year-Round Residence	Non-Participating	323304.56	322386.97	0:00	0	0:00	0	0:00	0
441	Year-Round Residence	Non-Participating	323114.67	322510.49	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
442	Year-Round Residence	Non-Participating	323207.32	322624.29	0:00	0	0:00	0	0:00	0
443	Year-Round Residence	Non-Participating	324004.61	323147.13	0:00	0	0:00	0	0:00	0
444	Year-Round Residence	Non-Participating	324049.94	323026.37	0:00	0	0:00	0	0:00	0
445	Year-Round Residence	Non-Participating	323933.25	323033.44	0:00	0	0:00	0	0:00	0
446	Year-Round Residence	Non-Participating	323780.69	323004.00	0:00	0	0:00	0	0:00	0
447	Year-Round Residence	Non-Participating	323873.40	323154.64	0:00	0	0:00	0	0:00	0
448	Year-Round Residence	Non-Participating	323550.58	323099.41	0:00	0	0:00	0	0:00	0
449	Year-Round Residence	Non-Participating	323317.56	323288.56	0:00	0	0:00	0	0:00	0
452	Year-Round Residence	Non-Participating	322888.01	323483.97	0:00	0	0:00	0	0:00	0
456	Year-Round Residence	Non-Participating	329977.58	321900.83	0:00	0	0:00	0	0:00	0
457	Year-Round Residence	Non-Participating	329948.82	321900.18	0:00	0	0:00	0	0:00	0
458	Year-Round Residence	Non-Participating	329905.24	322409.79	0:00	0	0:00	0	0:00	0
459	Year-Round Residence	Non-Participating	329939.53	322642.37	0:00	0	0:00	0	0:00	0
460	Year-Round Residence	Non-Participating	329857.45	322954.04	0:00	0	0:00	0	0:00	0
461	Year-Round Residence	Non-Participating	329984.68	323336.66	0:00	0	0:00	0	0:00	0
463	Year-Round Residence	Non-Participating	329945.77	323417.71	0:00	0	0:00	0	0:00	0
464	Year-Round Residence	Non-Participating	330011.66	323421.52	0:00	0	0:00	0	0:00	0
465	Year-Round Residence	Non-Participating	330330.72	323227.03	0:00	0	0:00	0	0:00	0
466	Year-Round Residence	Non-Participating	330332.33	322871.69	0:00	0	0:00	0	0:00	0
467	Year-Round Residence	Non-Participating	330441.67	322861.44	0:00	0	0:00	0	0:00	0
468	Year-Round Residence	Non-Participating	330083.48	323608.56	0:00	0	0:00	0	0:00	0
469	Year-Round Residence	Non-Participating	330003.59	323684.98	0:00	0	0:00	0	0:00	0
470	Year-Round Residence	Non-Participating	330027.36	323878.58	0:00	0	0:00	0	0:00	0
471	Year-Round Residence	Non-Participating	330020.19	323990.33	0:00	0	0:00	0	0:00	0
472	Year-Round Residence	Non-Participating	330136.74	324043.02	0:00	0	0:00	0	0:00	0
473	Year-Round Residence	Non-Participating	329949.10	324269.09	0:00	0	0:00	0	0:00	0
474	Year-Round Residence	Non-Participating	330124.85	324574.71	0:00	0	0:00	0	0:00	0
475	Year-Round Residence	Non-Participating	330085.38	324828.88	0:00	0	0:00	0	0:00	0
476	Year-Round Residence	Non-Participating	330115.34	324892.78	0:00	0	0:00	0	0:00	0
477	Year-Round Residence	Non-Participating	330103.04	324933.39	0:00	0	0:00	0	0:00	0
478	Year-Round Residence	Non-Participating	330086.62	325001.42	0:00	0	0:00	0	0:00	0
479	Year-Round Residence	Non-Participating	330079.64	325047.71	0:00	0	0:00	0	0:00	0
480	Year-Round Residence	Non-Participating	329997.46	325045.73	0:00	0	0:00	0	0:00	0
482	Year-Round Residence	Non-Participating	330113.43	325099.39	0:00	0	0:00	0	0:00	0
483	Year-Round Residence	Non-Participating	330134.52	325086.91	0:00	0	0:00	0	0:00	0
485	Year-Round Residence	Non-Participating	330018.53	325123.85	0:00	0	0:00	0	0:00	0
486	Year-Round Residence	Non-Participating	330018.26	325137.96	0:00	0	0:00	0	0:00	0
487	Year-Round Residence	Non-Participating	330059.68	325166.72	0:00	0	0:00	0	0:00	0
488	Year-Round Residence	Non-Participating	330013.69	325173.69	0:00	0	0:00	0	0:00	0
489	Year-Round Residence	Non-Participating	330008.05	325238.32	0:00	0	0:00	0	0:00	0
490	Year-Round Residence	Non-Participating	330049.72	325214.38	0:00	0	0:00	0	0:00	0
492	Year-Round Residence	Non-Participating	330026.74	325413.79	0:00	0	0:00	0	0:00	0
493	Year-Round Residence	Non-Participating	330099.09	325334.14	0:00	0	0:00	0	0:00	0
494	Year-Round Residence	Non-Participating	330129.64	325363.92	0:00	0	0:00	0	0:00	0
495	Year-Round Residence	Non-Participating	330088.31	325520.28	0:00	0	0:00	0	0:00	0
496	Year-Round Residence	Non-Participating	330133.94	325713.33	0:00	0	0:00	0	0:00	0
497	Year-Round Residence	Non-Participating	330131.85	325852.80	0:00	0	0:00	0	0:00	0
498	Year-Round Residence	Non-Participating	330634.49	326436.65	0:00	0	0:00	0	0:00	0
499	Year-Round Residence	Non-Participating	330209.52	325108.52	0:00	0	0:00	0	0:00	0
500	Year-Round Residence	Non-Participating	330550.59	325053.24	0:00	0	0:00	0	0:00	0
501	Year-Round Residence	Non-Participating	331113.94	325036.38	0:00	0	0:00	0	0:00	0
502	Year-Round Residence	Non-Participating	331081.03	325125.58	0:00	0	0:00	0	0:00	0
503	Year-Round Residence	Non-Participating	331043.77	324903.13	0:00	0	0:00	0	0:00	0

Table D-1.b: (Unmitigated: Hoffman Falls Wind (GE158-6.1) & Fenner Wind) Cumulative Shadow Flicker Modeling Results at Discrete Points - Sorted by Shadow Flicker [Residential and Non-Participating Receptors]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Hoffman Falls Wind- Project Only Expected Shadow Flicker [Hours per Year]	Hoffman Falls Wind- Project Only Expected Shadow Flicker [Minutes per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Hours per Year]	Fenner Wind- Existing Only Expected Shadow Flicker [Minutes per Year]	Cumulative Expected Shadow Flicker [Hours per Year]	Cumulative Expected Shadow Flicker [Minutes per Year]
			UTM 2011 State Plane New York Central (FIPS 3102)							
			X (m)	Y (m)						
504	Year-Round Residence	Non-Participating	330005.17	323534.69	0:00	0	0:00	0	0:00	0
505	Year-Round Residence	Non-Participating	329868.36	323565.09	0:00	0	0:00	0	0:00	0
506	Year-Round Residence	Non-Participating	329347.94	323933.87	0:00	0	0:00	0	0:00	0
507	Year-Round Residence	Non-Participating	329261.79	324196.51	0:00	0	0:00	0	0:00	0
512	Year-Round Residence	Non-Participating	328047.11	323631.85	0:00	0	0:00	0	0:00	0
513	Year-Round Residence	Non-Participating	328120.53	323632.51	0:00	0	0:00	0	0:00	0
514	Year-Round Residence	Non-Participating	328089.58	323546.51	0:00	0	0:00	0	0:00	0
515	Year-Round Residence	Non-Participating	328484.82	323537.93	0:00	0	0:00	0	0:00	0
517	Year-Round Residence	Non-Participating	328845.65	323707.96	0:00	0	0:00	0	0:00	0
518	Year-Round Residence	Non-Participating	329095.79	323724.23	0:00	0	0:00	0	0:00	0
519	Year-Round Residence	Non-Participating	329151.41	324162.39	0:00	0	0:00	0	0:00	0
520	Year-Round Residence	Non-Participating	329226.49	324277.09	0:00	0	0:00	0	0:00	0
521	Year-Round Residence	Non-Participating	329479.82	324404.19	0:00	0	0:00	0	0:00	0
522	Year-Round Residence	Non-Participating	329505.25	324598.68	0:00	0	0:00	0	0:00	0
523	Year-Round Residence	Non-Participating	329552.43	324699.69	0:00	0	0:00	0	0:00	0
524	Year-Round Residence	Non-Participating	329811.75	325017.99	0:00	0	0:00	0	0:00	0
526	Year-Round Residence	Non-Participating	328948.12	324656.34	0:00	0	0:00	0	0:00	0
533	Year-Round Residence	Non-Participating	329056.75	325208.36	0:00	0	0:00	0	0:00	0
534	Year-Round Residence	Non-Participating	329104.31	325224.48	0:00	0	0:00	0	0:00	0
535	Year-Round Residence	Non-Participating	329171.23	325228.41	0:00	0	0:00	0	0:00	0
536	Year-Round Residence	Non-Participating	329416.20	325057.07	0:00	0	0:00	0	0:00	0
538	Year-Round Residence	Non-Participating	326996.77	323448.82	0:00	0	0:00	0	0:00	0
558	Year-Round Residence	Non-Participating	327981.66	325844.33	0:00	0	0:00	0	0:00	0
559	Year-Round Residence	Non-Participating	328020.08	326073.13	0:00	0	0:00	0	0:00	0
560	Year-Round Residence	Non-Participating	327572.80	326269.47	0:00	0	0:00	0	0:00	0
561	Year-Round Residence	Non-Participating	327421.78	326374.56	0:00	0	0:00	0	0:00	0
562	Year-Round Residence	Non-Participating	327466.54	326447.32	0:00	0	0:00	0	0:00	0
563	Year-Round Residence	Non-Participating	327098.61	326609.78	0:00	0	0:00	0	0:00	0
564	Year-Round Residence	Non-Participating	327018.60	326644.87	0:00	0	0:00	0	0:00	0
565	Year-Round Residence	Non-Participating	327038.44	326770.60	0:00	0	0:00	0	0:00	0
566	Year-Round Residence	Non-Participating	326830.62	326745.87	0:00	0	0:00	0	0:00	0
567	Year-Round Residence	Non-Participating	326755.68	326841.46	0:00	0	0:00	0	0:00	0
568	Year-Round Residence	Non-Participating	326594.75	326866.98	0:00	0	0:00	0	0:00	0
569	Year-Round Residence	Non-Participating	326506.05	326868.43	0:00	0	0:00	0	0:00	0
570	Year-Round Residence	Non-Participating	326639.50	326964.12	0:00	0	0:00	0	0:00	0
571	Year-Round Residence	Non-Participating	326564.98	327009.89	0:00	0	0:00	0	0:00	0
572	Year-Round Residence	Non-Participating	326701.57	327022.18	0:00	0	0:00	0	0:00	0
573	Year-Round Residence	Non-Participating	326607.05	327077.44	0:00	0	0:00	0	0:00	0
574	Year-Round Residence	Non-Participating	326739.57	327093.25	0:00	0	0:00	0	0:00	0
575	Year-Round Residence	Non-Participating	326855.73	327172.07	0:00	0	0:00	0	0:00	0
576	Year-Round Residence	Non-Participating	326659.48	327221.49	0:00	0	0:00	0	0:00	0
577	Year-Round Residence	Non-Participating	326775.48	327244.34	0:00	0	0:00	0	0:00	0
578	Year-Round Residence	Non-Participating	326695.98	327292.67	0:00	0	0:00	0	0:00	0
579	Year-Round Residence	Non-Participating	326792.03	327297.26	0:00	0	0:00	0	0:00	0
580	Year-Round Residence	Non-Participating	326896.33	327387.16	0:00	0	0:00	0	0:00	0
581	Year-Round Residence	Non-Participating	326908.21	327453.02	0:00	0	0:00	0	0:00	0
582	Year-Round Residence	Non-Participating	328464.84	322714.81	0:00	0	0:00	0	0:00	0
583	Year-Round Residence	Non-Participating	328548.86	322814.99	0:00	0	0:00	0	0:00	0
584	Year-Round Residence	Non-Participating	328501.26	322867.24	0:00	0	0:00	0	0:00	0
585	Year-Round Residence	Non-Participating	328475.00	323052.29	0:00	0	0:00	0	0:00	0
586	Year-Round Residence	Non-Participating	330070.41	326271.36	0:00	0	0:00	0	0:00	0
587	Year-Round Residence	Non-Participating	329980.77	326335.86	0:00	0	0:00	0	0:00	0
588	Year-Round Residence	Non-Participating	329865.75	326348.73	0:00	0	0:00	0	0:00	0