

NextEra Energy Canada, ULC.

Bluewater Wind Energy Centre – Shadow Flicker Assessment Report

Prepared by:

AECOM
250 Apollo Drive
Chelmsford, MA 01824
www.aecom.com

978.905.2100 tel
978.905.2101 fax

Project Number:

60155032

Date:

April, 2012

Table of Contents

	page
1. Introduction.....	1
2. Project Layout.....	1
3. Shadow flicker Sources.....	3
4. Points of Reception.....	4
5. Detailed Shadow Flicker Impact Assessment.....	4
6. Results.....	5

List of Figures

Figure 1. Bluewater Wind Energy Centre.....	2
Figure 2. Wind Speed Distribution.....	4
Figure 3. Wind Rose for Onsite Meteorological Station.....	6
Figure 4. Modeled Receptor Locations.....	7
Figure 5. Shadow Flicker Contours (North).....	8
Figure 6. Shadow Flicker Contours (South).....	9

List of Tables

Table 1. Wind Turbine Locations.....	3
Table 2. Percent of Bright Sunshine at London, Ontario Airport.....	3
Table 3. Receptor Classifications.....	4
Table 4. Receptors within 1,300 m of Turbine Locations.....	5
Table 5. Shadow Flicker Impact Summary.....	10

Appendices

Appendix A. Shadow Time Graphs	
Appendix B. Sample Calculations	
Appendix C. Glossary of Terms	

1. Introduction

AECOM was retained by Varna Wind Inc., a wholly owned subsidiary of NextEra Energy Canada, ULC (NextEra) to prepare a Shadow Flicker Assessment Report for the proposed Bluewater Wind Energy Centre (Bluewater). Shadow flicker is temporary condition resulting from the sun casting intermittent shadows from the rotating blades of a wind turbine onto a sensitive receptor such as a window in a building. The flicker is due to alternating light intensity between the direct beam of sunlight and the shadow from the turbine blades. For shadow flicker to occur, the following criteria must be met:

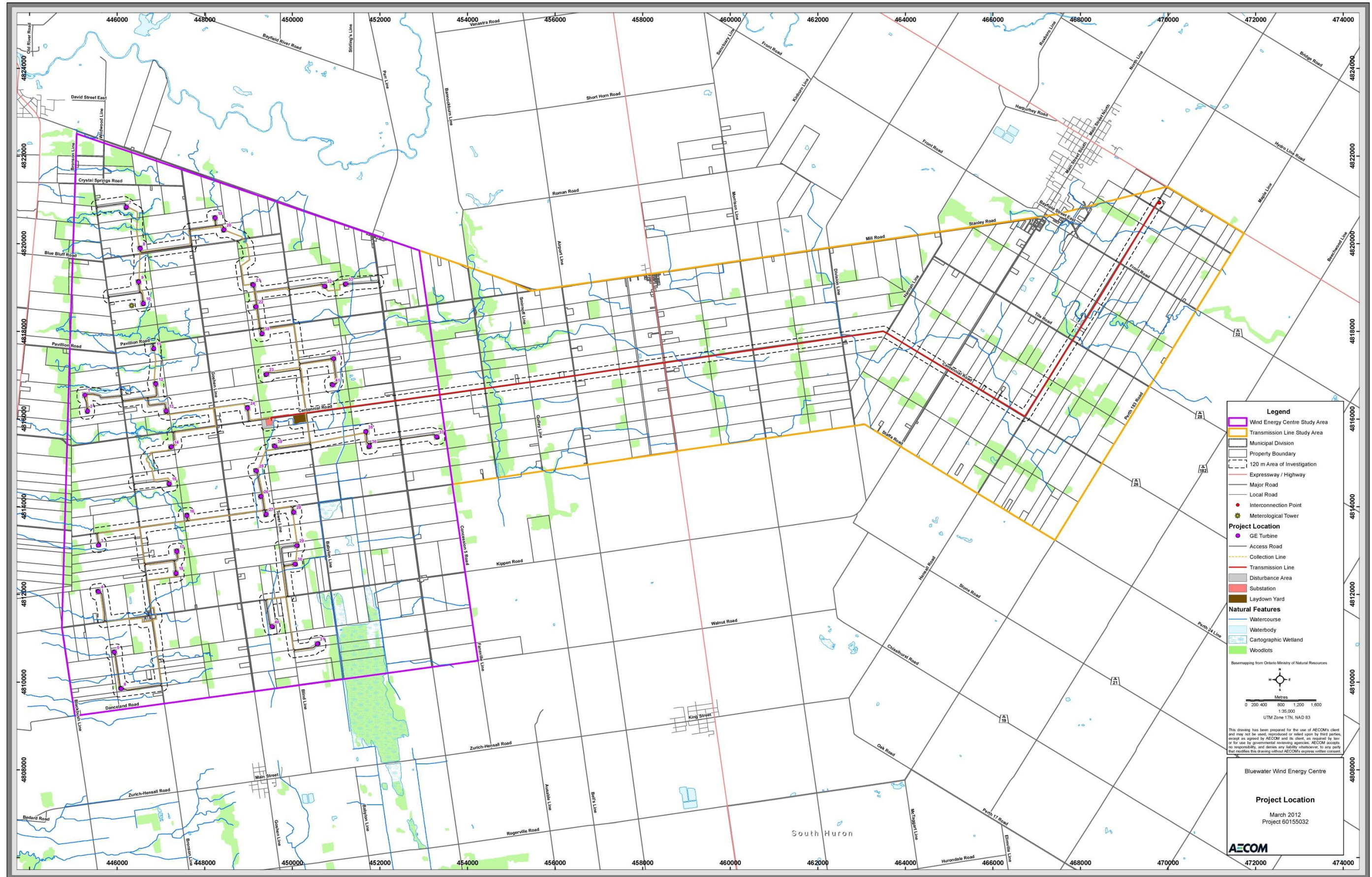
1. The sun must be shining and not obscured by any cloud cover.
2. The wind turbine must be between the sun and the shadow receptor.
3. The wind turbine must be facing directly towards (or away from) the sun such that the rotational plane of the blades is perpendicular to the azimuth of incident sun rays. For this to occur, the wind direction would have to perpetually be parallel to the azimuth of the incident sun rays throughout the day.
4. The line of sight between the turbine and the shadow receptor must be clear. Light impermeable obstacles, such as trees, buildings or other structures, will prevent or reduce shadow flicker from occurring at the receptor.
5. The receptor has to be close enough to the turbine to be in the shadow.
6. The turbine is operational and not stationary due to a lack of wind or maintenance activities.

2. Project Layout

Approval is being sought for forty-one (41) wind turbines each rated at 1.6 Megawatts maximum generation capacity. However, it is expected that only thirty-seven (37) of the wind turbines will actually be installed in order to achieve the total peak generation target of approximately 60 Megawatts facility wide. All of the wind turbines will feed into a centrally located transformer substation.

The proposed project is located in Huron County, within the Municipalities of Bluewater and Huron East. The Project Study Area consists of the areas being studied for the wind farm components (Wind Energy Centre Study Area), as well as for the interconnection route (i.e., the area being studied for transmission lines to connect the Project to the electrical grid) (Transmission Line Study Area). The Wind Energy Centre Study Area is generally bounded by Blackbush/Bronson Line to the west, Mill Road to the north, Concession 5 Road to the east, and Danceland Road/Staffa Road to the south, in the Municipality of Bluewater. The Transmission Line Study Area is located to the east of the Wind Energy Centre Study Area, and is generally bounded by Concession 5 Road to the west, Mill Road to the north, Huron Road and Perth 183 Road to the east, and Staffa Road to the south, extending into the Municipality of Huron East. The project location and wind turbine layout is provided in Figure 1.

Figure 1. Bluewater Wind Energy Centre



3. Shadow flicker Sources

The wind turbine model proposed for this project is the GE 1.6-100 manufactured by General Electric. This model has a hub height of 80 metres, a rotor diameter of 100 metres (130 metres at the highest point) and is designed to operate between 9.75 and 16.18 revolutions per minute. The GE 1.6-100 has an electrical generation rating of 1.6 Megawatts. The turbine has a cut-in speed of 3 m/s and a cut-out speed of 13 m/s. The coordinates for the 41 turbines are listed in Table 1.

Table 1. Wind Turbine Locations

Identifier	UTM Coordinates		Identifier	UTM Coordinates		Identifier	UTM Coordinates	
	X	Y		X	Y		X	Y
BT_1	445260	4816548	BT_15	447186	4814525	BT_29	450097	4813116
BT_2	445320	4816183	BT_16	447590	4813794	BT_30	450058	4812694
BT_3	445565	4813118	BT_17	447358	4812978	BT_31	450567	4810875
BT_4	445568	4812063	BT_18	447341	4812484	BT_32	450732	4819033
BT_5	445933	4810683	BT_19	448234	4820588	BT_33	451219	4819080
BT_6	446088	4809847	BT_20	448434	4820321	BT_34	450937	4817380
BT_7	446207	4820836	BT_21	449105	4819060	BT_35	451669	4815710
BT_8	446521	4819890	BT_22	449166	4818561	BT_36	451756	4815381
BT_9	446485	4819125	BT_23	449406	4817022	BT_37	453294	4815596
BT_10	446595	4818636	BT_24	448974	4816250	BT_38	449306	4817953
BT_11	446832	4817609	BT_25	449175	4814818	BT_39	449597	4815379
BT_12	446877	4816800	BT_26	449284	4814234	BT_40	449532	4811269
BT_13	447116	4816186	BT_27	449400	4813830	BT_41	450920	4816780
BT_14	447232	4815368	BT_28	450031	4813877			

The exposure time and amount of shadow flicker at each receptor can vary based on several factors, as described in Section 1 above. Furthermore, as the shadow from a turbine extends furthest when the sun is low in the sky (sunrise and sunset), receptors to the east or west of a turbine will be exposed more than receptors to the north and south of a turbine. The orientation of windows at each receptor location will determine what rooms at each receptor would be exposed to shadow flicker. AECOM did not catalogue the number or orientation of windows at each receptor; instead each receptor is assumed to have eight windows every 45 degrees to capture all angles for exposure. The amount of bright sunshine can also affect the frequency and duration of exposure to shadow flicker. Table 2 summarizes the percent of bright sunshine at the London Airport based on monthly climatological data.

Table 2. Percent of Bright Sunshine at London, Ontario Airport

Month	% Bright Sunshine
January	22.6
February	30.9
March	32.4
April	40.4
May	48.6
June	53.0
July	56.3
August	51.4
September	43.3
October	37.4
November	23.8
December	18.6
Annual Average	38.2

4. Points of Reception

The receptors have been classified into four (4) different categories which are outlined in Table 3, below. There are 1,042 receptors in the area of Bluewater Wind Energy Centre.

Table 3. Receptor Classifications

Class	Number of Points of Reception	Description
NPR	625	Non-participating
PR	76	Participating
VNPR	272	Vacant Lot Non-participating
VPR	69	Vacant Lot Participating

Participating receptors are associated with the wind farm development via a legal agreement with the owner, of the subject property, to allow the installation and operation of wind turbines or related equipment.

5. Detailed Shadow Flicker Impact Assessment

The shadow flicker analysis for the Bluewater Wind Energy Centre was completed using the WindFarm modelling software. WindFarm considers the hourly meteorological data, terrain features, receptor, and turbine locations in the modelling analysis. The wind speed distribution is shown in Figure 2 and the wind rose for the onsite meteorological station is shown in Figure 3. The shadow flicker predictions were calculated using a maximum calculation distance of 1300 metres (80 metre hub height plus 50 metre blade times 10) and assumes the sun is shining during all daytime hours and that the turbines are always operating. This method produces a theoretical worst case astronomical prediction at each receptor. The distance limitation reduced the number of receptors in the analysis to 410 as shown in Table 4 and the receptor locations are shown in Figure 4.

Figure 2. Wind Speed Distribution

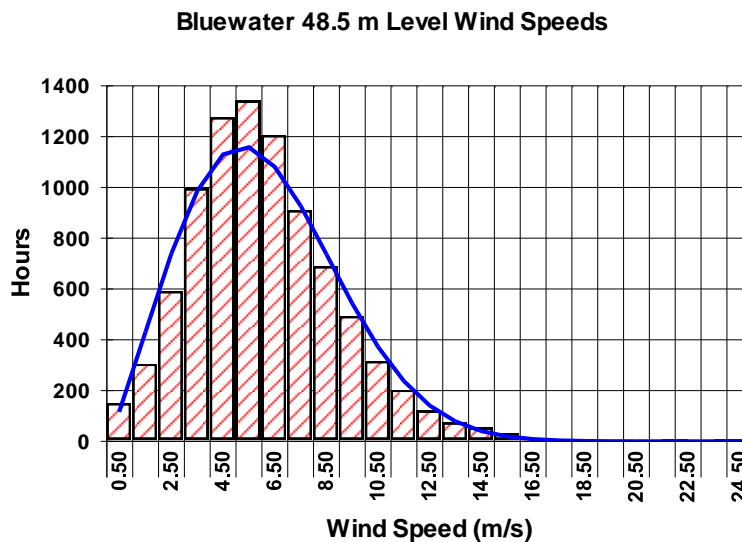


Table 4. Receptors within 1,300 m of Turbine Locations

Class	Number of Receptors	Description
NPR	189	Non-participating
PR	67	Participating
VNPR	87	Vacant Lot Non-participating
VPR	67	Vacant Lot Participating

6. Results

Table 5 presents the worst case astronomical results of the shadow flicker modelling and the corrected hours per year based on the annual percentage of sunshine shown in Table 2. Figures 5 and 6 show the contours that represent the astronomical maximum number of hours per year that shadow flicker occurs in the modelling domain. Appendix A includes shadow time graphs for each receptor location and Appendix B lists the specific start and end times of each exposure.

The worst case maximum shadow flicker per day is 1 hour and the worst case maximum shadow flicker per year is 91.6 hours (34.8 hours per year based on annual percentage of sunshine). This is a conservative analysis that does not account for maintenance time, winds less than 3 m/s when the turbines will not operate, or that the turbine will rarely be directly facing the sun which will shorten the shadow from the turbine blades.

Potentially affected receptors should be monitored and if excessive shadow flicker occurs, vegetation can be planted, window shutters installed or other mitigation measures can be considered.

Figure 3. Wind Rose for Onsite Meteorological Station

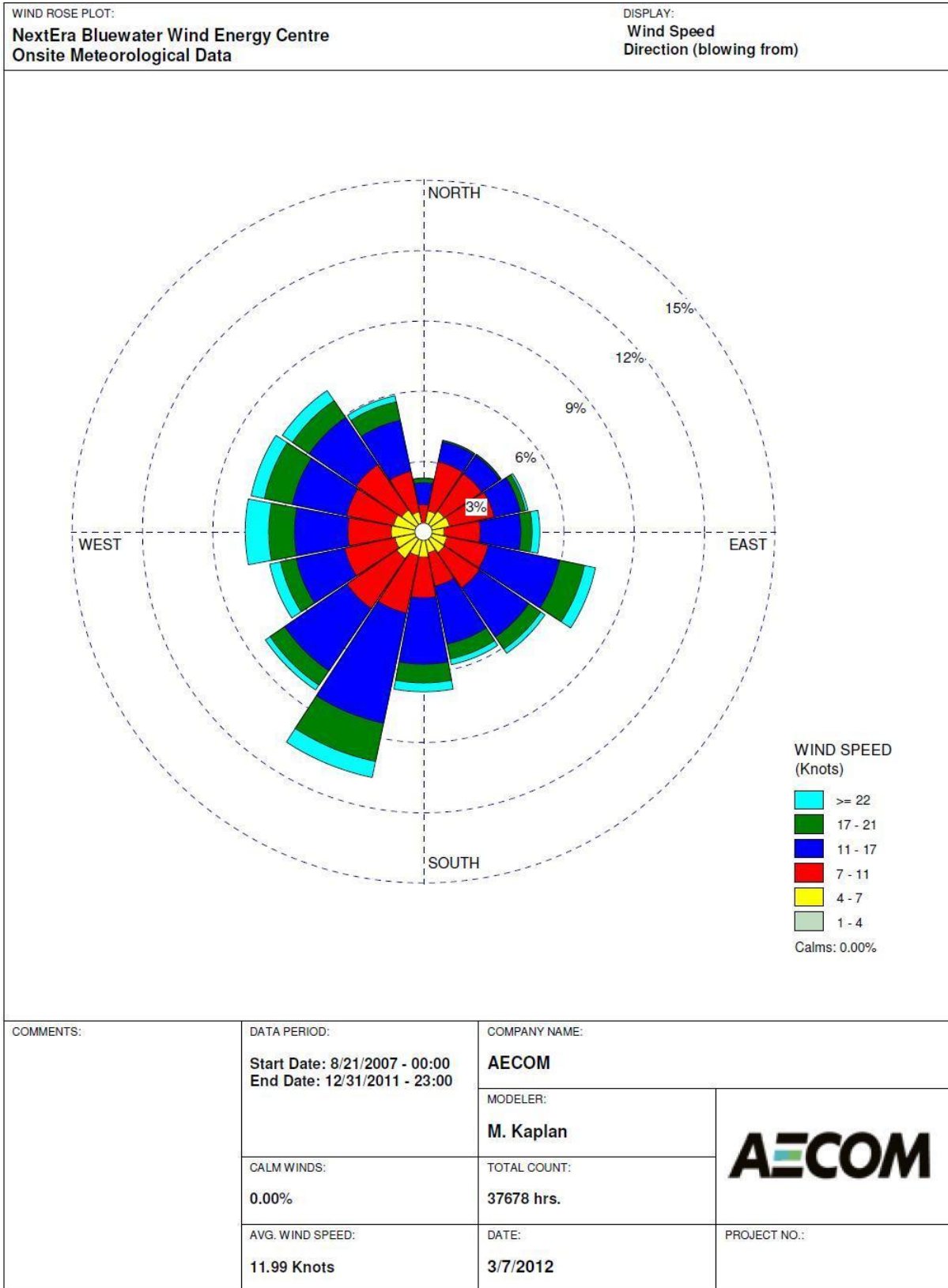
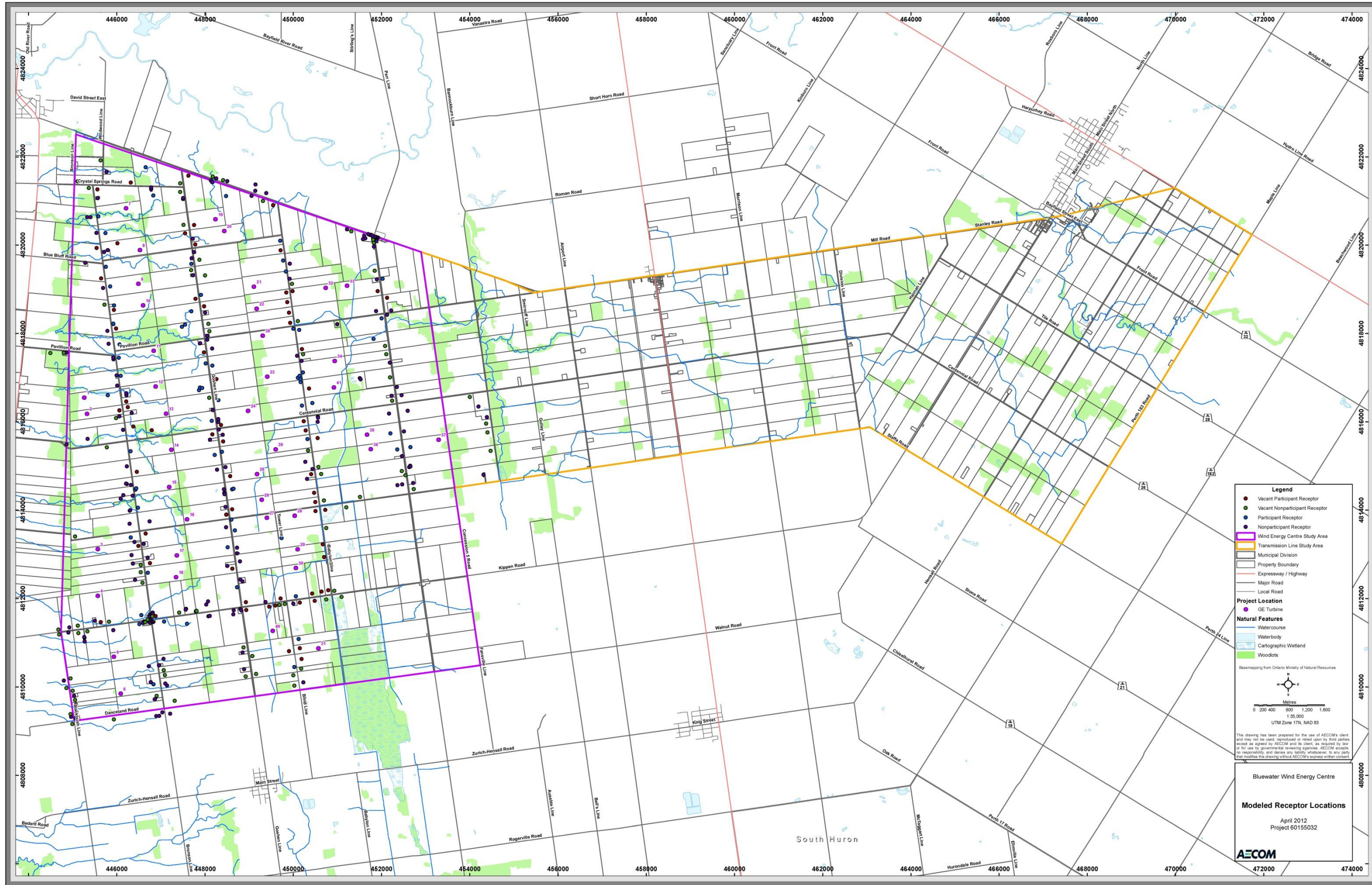


Figure 4. Modeled Receptor Locations



Map Document: \\n:\projects\60155032\60155032_10RA_2012-04-10_Bluwater_Flicker.Docx

Figure 5. Shadow Flicker Contours (North)

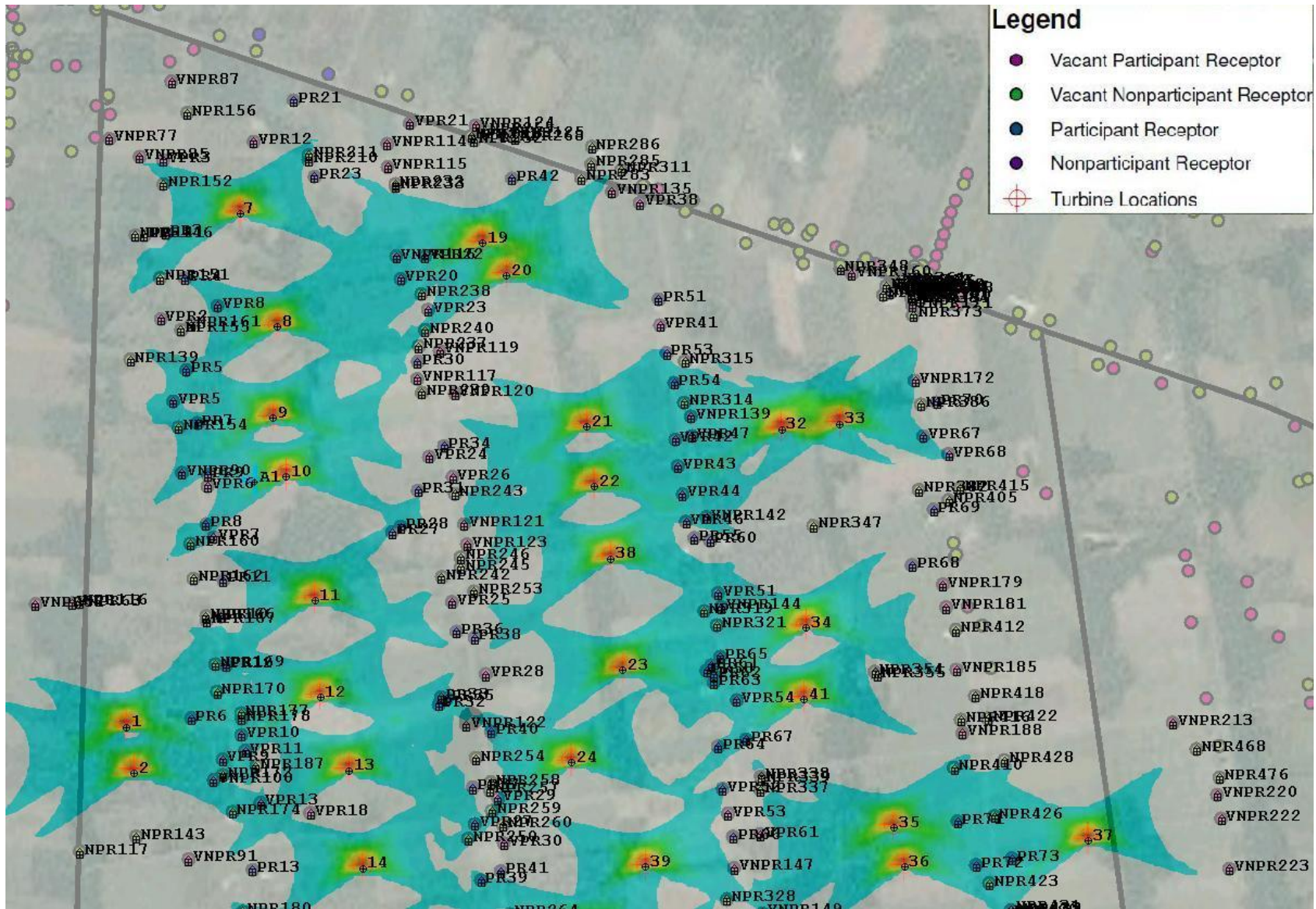


Figure 6. Shadow Flicker Contours (South)

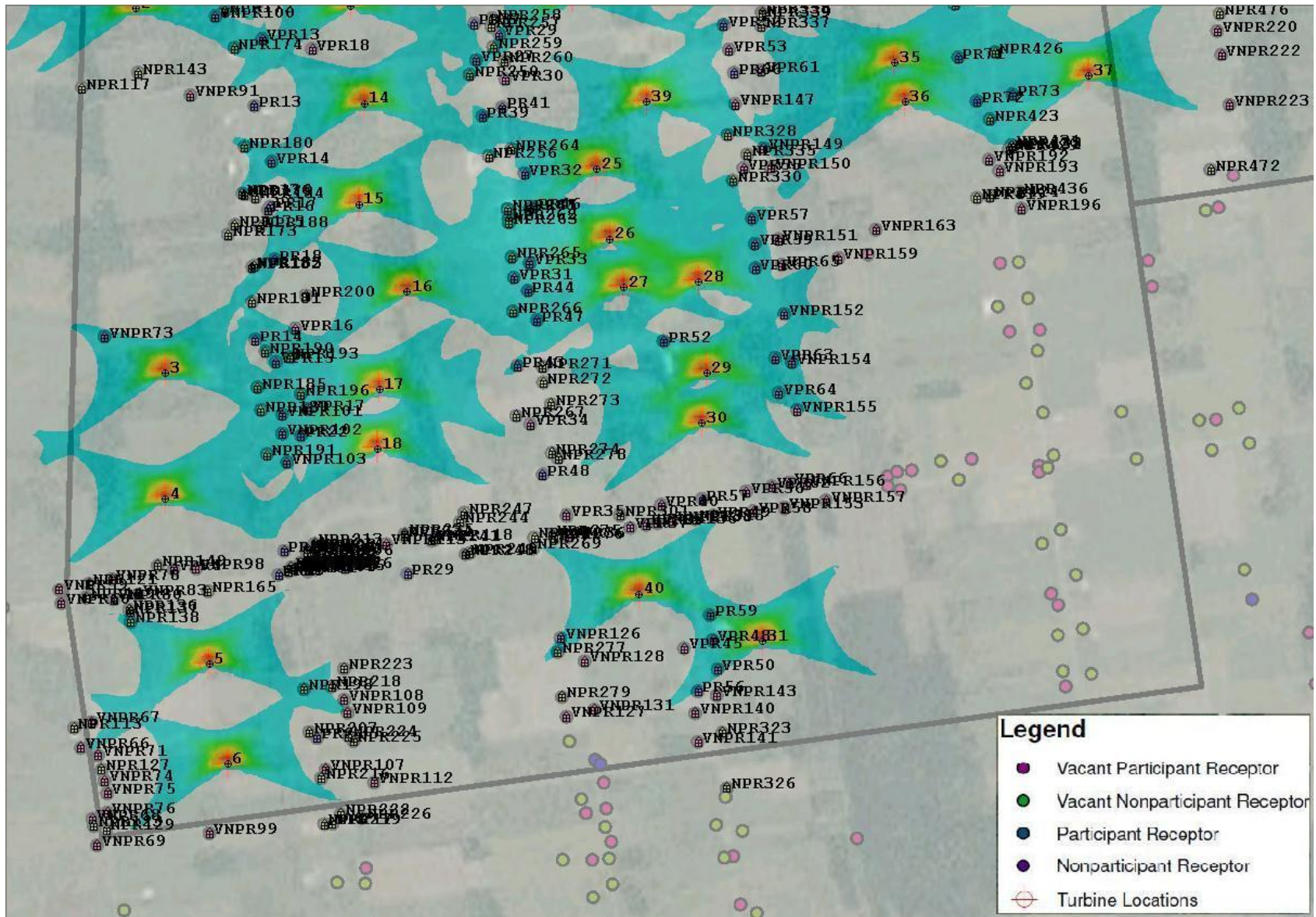


Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR46	3	448650	4814486	2	90	0.70	91.6	34.8
PR46	2	448650	4814486	2	45	0.70	91.5	34.8
PR46	4	448650	4814486	2	135	0.70	91.3	34.7
PR71	5	452203	4815739	2	180	0.76	87.7	33.3
PR45	3	448618	4814472	2	90	0.66	83.7	31.8
PR45	2	448618	4814472	2	45	0.67	83.5	31.7
PR45	4	448618	4814472	2	135	0.66	83.4	31.7
PR71	7	452203	4815739	2	270	0.76	78.8	29.9
PR71	6	452203	4815739	2	225	0.76	78.7	29.9
PR71	8	452203	4815739	2	315	0.76	78.5	29.8
PR6	6	445797	4816599	2	225	0.75	77.8	29.6
PR6	7	445797	4816599	2	270	0.75	77.8	29.6
PR6	5	445797	4816599	2	180	0.75	77.4	29.4
PR6	8	445797	4816599	2	315	0.75	77.3	29.4
VPR17	3	446753	4812799	2	90	0.65	75.2	28.6
VPR17	4	446753	4812799	2	135	0.65	75.2	28.6
NPR170	5	446013	4816820	2	180	0.96	74.9	28.5
VPR17	2	446753	4812799	2	45	0.65	74.9	28.5
PR52	4	449737	4813367	2	135	0.91	73.3	27.9
PR52	3	449737	4813367	2	90	0.91	73.1	27.8
PR52	5	449737	4813367	2	180	0.91	73.1	27.8
PR52	2	449737	4813367	2	45	0.91	72.7	27.6
NPR198	7	446726	4810463	2	270	0.54	70.5	26.8
NPR198	6	446726	4810463	2	225	0.54	70.4	26.8
NPR198	8	446726	4810463	2	315	0.54	70.4	26.8
PR22	3	446703	4812580	2	90	0.63	68.6	26.1
PR22	2	446703	4812580	2	45	0.63	68.5	26.0
PR22	4	446703	4812580	2	135	0.63	68.4	26.0
PR44	1	448600	4813787	2	0	0.54	68.0	25.8
VPR22	3	447752	4820457	2	90	0.81	67.2	25.5
VPR22	2	447752	4820457	2	45	0.81	67.1	25.5
VPR22	4	447752	4820457	2	135	0.81	67.1	25.5
VPR50	2	450189	4810631	2	45	0.89	66.7	25.3
VPR50	3	450189	4810631	2	90	0.89	66.7	25.3
VPR50	1	450189	4810631	2	0	0.89	66.4	25.2
VPR50	4	450189	4810631	2	135	0.89	66.3	25.2
NPR263	3	448442	4814359	2	90	0.51	64.5	24.5
NPR263	4	448442	4814359	2	135	0.51	64.4	24.5
NPR263	2	448442	4814359	2	45	0.51	64.3	24.4
VPR64	7	450701	4812935	2	270	0.68	64.1	24.4
VPR64	8	450701	4812935	2	315	0.68	64.0	24.3
VPR64	6	450701	4812935	2	225	0.68	63.8	24.2
VPR14	3	446456	4814868	2	90	0.54	62.6	23.8
NPR410	5	452173	4816186	2	180	0.83	62.5	23.8
VPR14	4	446456	4814868	2	135	0.54	62.5	23.8
VPR14	2	446456	4814868	2	45	0.54	62.4	23.7
VPR9	1	446059	4816258	2	0	0.95	62.3	23.7
VPR54	1	450358	4816752	2	0	0.71	61.2	23.3
PR59	4	450125	4811083	2	135	0.84	60.4	23.0
PR59	3	450125	4811083	2	90	0.84	60.3	22.9
PR59	5	450125	4811083	2	180	0.84	60.0	22.8
PR59	2	450125	4811083	2	45	0.83	59.8	22.7
VPR60	7	450506	4813975	2	270	1.06	59.7	22.7

1. Corrected hours per year based on the annual percentage (38.2%) of sunshine

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR60	6	450506	4813975	2	225	1.06	59.5	22.6
VPR60	8	450506	4813975	2	315	1.06	59.5	22.6
PR65	3	450220	4817114	2	90	0.56	58.6	22.3
PR65	4	450220	4817114	2	135	0.56	58.5	22.2
PR65	2	450220	4817114	2	45	0.56	58.4	22.2
PR46	1	448650	4814486	2	0	0.70	58.3	22.2
NPR266	1	448477	4813613	2	0	0.50	57.7	21.9
VPR57	6	450477	4814391	2	225	0.58	57.1	21.7
PR5	3	445755	4819508	2	90	0.53	57.0	21.7
VPR57	7	450477	4814391	2	270	0.58	57.0	21.7
PR5	4	445755	4819508	2	135	0.53	56.9	21.6
VPR57	5	450477	4814391	2	180	0.58	56.9	21.6
PR5	2	445755	4819508	2	45	0.53	56.8	21.6
PR44	2	448600	4813787	2	45	0.54	56.6	21.5
PR44	3	448600	4813787	2	90	0.54	56.6	21.5
PR44	4	448600	4813787	2	135	0.54	56.3	21.4
VNPR73	4	445056	4813406	2	135	0.67	55.6	21.1
VNPR73	3	445056	4813406	2	90	0.67	55.5	21.1
VNPR73	5	445056	4813406	2	180	0.67	55.5	21.1
PR7	3	445851	4819063	2	90	0.64	55.4	21.1
PR7	4	445851	4819063	2	135	0.64	55.3	21.0
VPR63	6	450671	4813226	2	225	0.69	55.3	21.0
VPR63	7	450671	4813226	2	270	0.69	55.3	21.0
VNPR73	2	445056	4813406	2	45	0.67	55.2	21.0
NPR262	3	448438	4814388	2	90	0.51	55.1	20.9
NPR423	1	452468	4815222	2	0	0.86	55.1	20.9
PR45	1	448618	4814472	2	0	0.66	55.1	20.9
PR7	2	445851	4819063	2	45	0.64	55.1	20.9
VPR63	8	450671	4813226	2	315	0.69	55.1	20.9
NPR262	2	448438	4814388	2	45	0.51	55.0	20.9
NPR262	4	448438	4814388	2	135	0.51	55.0	20.9
VPR63	5	450671	4813226	2	180	0.69	55.0	20.9
VPR44	1	449907	4818470	2	0	0.65	54.7	20.8
VPR48	3	450150	4810874	2	90	0.94	54.0	20.5
VPR48	4	450150	4810874	2	135	0.94	53.9	20.5
VPR48	2	450150	4810874	2	45	0.94	53.8	20.4
VPR48	1	450150	4810874	2	0	0.94	53.5	20.3
PR65	5	450220	4817114	2	180	0.56	53.4	20.3
VNPR139	5	449973	4819121	2	180	0.77	52.5	20.0
PR63	1	450166	4816899	2	0	0.91	51.7	19.6
NPR314	5	449918	4819237	2	180	0.50	51.6	19.6
VPR59	6	450502	4814181	2	225	0.73	51.6	19.6
VPR59	7	450502	4814181	2	270	0.72	51.6	19.6
VPR59	8	450502	4814181	2	315	0.73	51.4	19.5
VPR44	6	449907	4818470	2	225	0.57	51.0	19.4
VPR44	7	449907	4818470	2	270	0.57	50.9	19.3
VPR44	8	449907	4818470	2	315	0.56	50.8	19.3
NPR177	3	446215	4816644	2	90	0.61	50.3	19.1
NPR177	4	446215	4816644	2	135	0.60	50.2	19.1
PR73	1	452659	4815428	2	0	0.62	50.2	19.1
NPR177	2	446215	4816644	2	45	0.60	50.1	19.0
VPR9	7	446059	4816258	2	270	0.55	49.9	19.0
VPR9	8	446059	4816258	2	315	0.55	49.8	18.9
VPR9	6	446059	4816258	2	225	0.55	49.7	18.9
VPR5	3	445647	4819246	2	90	0.49	49.3	18.7

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR5	2	445647	4819246	2	45	0.49	49.2	18.7
NPR177	5	446215	4816644	2	180	0.44	49.1	18.7
VPR5	4	445647	4819246	2	135	0.49	49.1	18.7
VNPR90	2	445721	4818650	2	45	0.50	48.7	18.5
VNPR90	3	445721	4818650	2	90	0.50	48.7	18.5
NPR426	5	452512	4815782	2	180	1.00	48.6	18.5
PR8	2	445924	4818221	2	45	0.56	48.6	18.5
PR8	3	445924	4818221	2	90	0.56	48.5	18.4
VNPR90	4	445721	4818650	2	135	0.49	48.5	18.4
PR8	4	445924	4818221	2	135	0.56	48.3	18.4
VNPR100	1	445986	4816083	2	0	0.63	48.3	18.4
VPR60	5	450506	4813975	2	180	1.06	47.8	18.2
VPR10	3	446217	4816460	2	90	0.58	47.0	17.9
NPR196	3	446700	4812925	2	90	0.62	46.9	17.8
NPR196	4	446700	4812925	2	135	0.61	46.9	17.8
VPR10	2	446217	4816460	2	45	0.58	46.9	17.8
VPR10	4	446217	4816460	2	135	0.58	46.9	17.8
NPR263	5	448442	4814359	2	180	0.51	46.8	17.8
NPR196	2	446700	4812925	2	45	0.61	46.7	17.7
VPR42	7	449844	4818927	2	270	0.54	46.6	17.7
PR63	3	450166	4816899	2	90	0.55	46.4	17.6
VPR42	6	449844	4818927	2	225	0.54	46.4	17.6
VPR42	8	449844	4818927	2	315	0.54	46.4	17.6
PR63	2	450166	4816899	2	45	0.54	46.3	17.6
PR63	4	450166	4816899	2	135	0.55	46.3	17.6
PR12	4	446089	4817042	2	135	0.52	46.2	17.6
VPR17	5	446753	4812799	2	180	0.63	45.8	17.4
NPR169	3	445999	4817050	2	90	0.47	45.6	17.3
NPR169	2	445999	4817050	2	45	0.47	45.5	17.3
NPR169	4	445999	4817050	2	135	0.47	45.4	17.3
NPR170	6	446013	4816820	2	225	0.52	45.3	17.2
NPR170	7	446013	4816820	2	270	0.52	45.2	17.2
VPR10	1	446217	4816460	2	0	0.67	45.2	17.2
NPR178	3	446220	4816599	2	90	0.61	45.1	17.1
PR59	7	450125	4811083	2	270	0.71	45.1	17.1
PR59	8	450125	4811083	2	315	0.71	45.1	17.1
VNPR142	6	450105	4818279	2	225	0.48	45.1	17.1
VNPR142	7	450105	4818279	2	270	0.48	45.1	17.1
VNPR142	8	450105	4818279	2	315	0.48	45.1	17.1
NPR170	8	446013	4816820	2	315	0.52	45.0	17.1
NPR178	4	446220	4816599	2	135	0.60	45.0	17.1
NPR178	2	446220	4816599	2	45	0.60	44.9	17.1
PR59	1	450125	4811083	2	0	0.71	44.9	17.1
PR59	6	450125	4811083	2	225	0.71	44.9	17.1
NPR189	6	446367	4812792	2	225	0.47	44.8	17.0
NPR189	7	446367	4812792	2	270	0.48	44.8	17.0
PR18	2	446484	4814052	2	45	0.53	44.8	17.0
PR18	3	446484	4814052	2	90	0.53	44.8	17.0
NPR189	8	446367	4812792	2	315	0.48	44.7	17.0
PR18	4	446484	4814052	2	135	0.53	44.6	16.9
VPR22	1	447752	4820457	2	0	0.81	44.6	16.9
PR22	1	446703	4812580	2	0	0.57	43.9	16.7
PR72	1	452359	4815373	2	0	0.91	43.9	16.7
NPR178	5	446220	4816599	2	180	0.45	43.7	16.6
NPR410	6	452173	4816186	2	225	0.61	43.5	16.5

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR262	5	448438	4814388	2	180	0.56	43.3	16.5
NPR410	7	452173	4816186	2	270	0.61	43.3	16.5
NPR410	8	452173	4816186	2	315	0.61	43.1	16.4
VPR11	1	446250	4816328	2	0	0.55	43.0	16.3
PR62	1	450162	4816963	2	0	0.92	42.8	16.3
VPR59	5	450502	4814181	2	180	0.72	42.8	16.3
VPR51	6	450201	4817643	2	225	0.48	42.6	16.2
VPR51	7	450201	4817643	2	270	0.48	42.6	16.2
NPR259	2	448312	4815825	2	45	0.56	42.5	16.2
NPR259	3	448312	4815825	2	90	0.56	42.5	16.2
PR67	2	450434	4816422	2	45	0.72	42.5	16.2
VPR51	8	450201	4817643	2	315	0.48	42.5	16.2
VPR64	1	450701	4812935	2	0	0.68	42.5	16.2
NPR259	1	448312	4815825	2	0	0.56	42.4	16.1
PR67	3	450434	4816422	2	90	0.72	42.4	16.1
PR8	1	445924	4818221	2	0	0.56	42.4	16.1
NPR259	4	448312	4815825	2	135	0.56	42.3	16.1
PR67	1	450434	4816422	2	0	0.72	42.3	16.1
PR67	4	450434	4816422	2	135	0.72	42.2	16.0
VPR33	3	448617	4814019	2	90	0.59	42.0	16.0
PR46	5	448650	4814486	2	180	0.93	41.9	15.9
VPR33	2	448617	4814019	2	45	0.59	41.9	15.9
VPR33	4	448617	4814019	2	135	0.59	41.9	15.9
NPR160	2	445791	4818059	2	45	0.46	41.6	15.8
NPR160	3	445791	4818059	2	90	0.46	41.6	15.8
NPR160	4	445791	4818059	2	135	0.46	41.5	15.8
PR61	5	450146	4817041	2	180	0.56	41.5	15.8
VPR13	3	446376	4815894	2	90	0.53	41.4	15.7
PR58	1	450105	4816996	2	0	1.03	41.3	15.7
VPR13	2	446376	4815894	2	45	0.53	41.3	15.7
VPR13	4	446376	4815894	2	135	0.53	41.3	15.7
VPR52	6	450241	4816011	2	225	0.49	41.3	15.7
VPR52	7	450241	4816011	2	270	0.49	41.2	15.7
VPR9	2	446059	4816258	2	45	0.46	41.2	15.7
VPR9	3	446059	4816258	2	90	0.46	41.2	15.7
VPR52	8	450241	4816011	2	315	0.49	41.1	15.6
VPR42	1	449844	4818927	2	0	0.54	41.0	15.6
VPR9	4	446059	4816258	2	135	0.46	41.0	15.6
PR54	5	449835	4819402	2	180	0.51	40.9	15.5
PR62	3	450162	4816963	2	90	0.54	40.8	15.5
VPR57	4	450477	4814391	2	135	0.58	40.8	15.5
PR62	2	450162	4816963	2	45	0.54	40.7	15.5
PR62	4	450162	4816963	2	135	0.54	40.7	15.5
VNPR101	1	446544	4812755	2	0	0.49	40.5	15.4
VPR11	2	446250	4816328	2	45	0.55	40.5	15.4
VPR11	3	446250	4816328	2	90	0.55	40.5	15.4
VPR11	4	446250	4816328	2	135	0.55	40.3	15.3
VPR32	3	448573	4814768	2	90	0.67	40.1	15.2
VPR32	2	448573	4814768	2	45	0.67	40.0	15.2
NPR198	1	446726	4810463	2	0	0.54	39.9	15.2
PR12	2	446089	4817042	2	45	0.51	39.9	15.2
PR12	3	446089	4817042	2	90	0.52	39.9	15.2
VPR32	4	448573	4814768	2	135	0.67	39.9	15.2
VPR67	7	451917	4818955	2	270	0.56	39.9	15.2
VPR67	8	451917	4818955	2	315	0.56	39.9	15.2

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR330	7	450316	4814708	2	270	0.38	39.7	15.1
VPR32	1	448573	4814768	2	0	0.67	39.7	15.1
VPR67	1	451917	4818955	2	0	0.56	39.7	15.1
VPR67	6	451917	4818955	2	225	0.56	39.7	15.1
NPR138	4	445274	4811026	2	135	0.57	39.6	15.0
NPR330	6	450316	4814708	2	225	0.38	39.6	15.0
VPR8	3	446017	4820043	2	90	0.77	39.6	15.0
VPR8	4	446017	4820043	2	135	0.77	39.6	15.0
NPR138	3	445274	4811026	2	90	0.57	39.5	15.0
NPR138	5	445274	4811026	2	180	0.57	39.5	15.0
NPR330	8	450316	4814708	2	315	0.38	39.5	15.0
NPR138	2	445274	4811026	2	45	0.57	39.4	15.0
PR33	5	447885	4816776	2	180	0.60	39.4	15.0
VPR20	3	447549	4820269	2	90	0.57	39.4	15.0
VPR8	5	446017	4820043	2	180	0.77	39.4	15.0
VPR20	2	447549	4820269	2	45	0.57	39.3	14.9
VPR8	2	446017	4820043	2	45	0.77	39.3	14.9
VPR20	4	447549	4820269	2	135	0.57	39.2	14.9
VPR51	5	450201	4817643	2	180	0.98	39.2	14.9
VPR20	1	447549	4820269	2	0	0.56	39.1	14.9
NPR172	1	446062	4816126	2	0	0.56	39.0	14.8
PR61	3	450146	4817041	2	90	0.53	39.0	14.8
PR61	4	450146	4817041	2	135	0.53	38.9	14.8
PR61	2	450146	4817041	2	45	0.52	38.8	14.7
PR73	7	452659	4815428	2	270	0.46	38.7	14.7
PR73	8	452659	4815428	2	315	0.46	38.6	14.7
PR12	5	446089	4817042	2	180	0.96	38.5	14.6
NPR189	5	446367	4812792	2	180	0.42	38.4	14.6
NPR423	7	452468	4815222	2	270	0.54	38.4	14.6
PR73	6	452659	4815428	2	225	0.46	38.4	14.6
NPR423	8	452468	4815222	2	315	0.54	38.3	14.6
PR40	3	448306	4816489	2	90	0.60	38.2	14.5
PR40	4	448306	4816489	2	135	0.60	38.2	14.5
PR40	2	448306	4816489	2	45	0.60	38.1	14.5
NPR423	6	452468	4815222	2	225	0.54	37.9	14.4
PR35	5	447935	4816765	2	180	0.43	37.8	14.4
PR45	5	448618	4814472	2	180	0.95	37.7	14.3
NPR266	2	448477	4813613	2	45	0.45	37.5	14.3
NPR266	3	448477	4813613	2	90	0.45	37.4	14.2
NPR261	3	448430	4814471	2	90	0.52	37.3	14.2
NPR261	2	448430	4814471	2	45	0.52	37.2	14.1
NPR261	4	448430	4814471	2	135	0.52	37.2	14.1
NPR266	4	448477	4813613	2	135	0.45	37.2	14.1
VPR13	1	446376	4815894	2	0	0.58	36.5	13.9
VNPR154	6	450811	4813189	2	225	0.57	36.3	13.8
VNPR154	7	450811	4813189	2	270	0.57	36.3	13.8
VNPR154	8	450811	4813189	2	315	0.57	36.2	13.8
VNPR154	5	450811	4813189	2	180	0.57	36.1	13.7
VPR47	1	449985	4818958	2	0	0.54	35.9	13.6
NPR193	3	446611	4813233	2	90	0.54	35.8	13.6
NPR193	4	446611	4813233	2	135	0.54	35.8	13.6
PR47	1	448678	4813543	2	0	0.61	35.8	13.6
NPR193	2	446611	4813233	2	45	0.54	35.7	13.6
VNPR102	3	446544	4812593	2	90	0.52	35.4	13.5
VNPR102	2	446544	4812593	2	45	0.51	35.3	13.4

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR102	4	446544	4812593	2	135	0.52	35.3	13.4
VNPR126	2	448874	4810892	2	45	0.57	35.1	13.3
VNPR126	3	448874	4810892	2	90	0.57	35.1	13.3
NPR180	3	446230	4814992	2	90	0.42	35.0	13.3
NPR180	4	446230	4814992	2	135	0.42	35.0	13.3
PR18	1	446484	4814052	2	0	0.53	35.0	13.3
VNPR101	3	446544	4812755	2	90	0.51	35.0	13.3
VNPR126	1	448874	4810892	2	0	0.57	35.0	13.3
VNPR126	4	448874	4810892	2	135	0.57	35.0	13.3
NPR314	6	449918	4819237	2	225	0.49	34.9	13.3
PR5	5	445755	4819508	2	180	0.53	34.9	13.3
VNPR101	4	446544	4812755	2	135	0.51	34.9	13.3
VNPR144	5	450227	4817529	2	180	0.98	34.9	13.3
VNPR90	1	445721	4818650	2	0	0.49	34.9	13.3
NPR180	2	446230	4814992	2	45	0.42	34.8	13.2
NPR314	7	449918	4819237	2	270	0.50	34.8	13.2
VNPR101	2	446544	4812755	2	45	0.51	34.8	13.2
NPR314	8	449918	4819237	2	315	0.50	34.7	13.2
NPR154	3	445692	4819028	2	90	0.52	34.4	13.1
NPR154	4	445692	4819028	2	135	0.52	34.4	13.1
VNPR152	7	450749	4813593	2	270	0.53	34.4	13.1
NPR154	2	445692	4819028	2	45	0.52	34.3	13.0
NPR240	2	447751	4819841	2	45	0.54	34.3	13.0
NPR240	3	447751	4819841	2	90	0.54	34.3	13.0
PR58	3	450105	4816996	2	90	0.51	34.3	13.0
VNPR152	6	450749	4813593	2	225	0.53	34.3	13.0
VNPR152	8	450749	4813593	2	315	0.53	34.3	13.0
NPR240	1	447751	4819841	2	0	0.54	34.2	13.0
PR58	2	450105	4816996	2	45	0.50	34.2	13.0
PR58	4	450105	4816996	2	135	0.51	34.2	13.0
VPR29	2	448363	4815931	2	45	0.62	34.2	13.0
VPR29	3	448363	4815931	2	90	0.62	34.2	13.0
NPR240	4	447751	4819841	2	135	0.54	34.1	13.0
VPR14	1	446456	4814868	2	0	0.48	34.1	13.0
NPR277	2	448851	4810775	2	45	0.54	34.0	12.9
NPR277	3	448851	4810775	2	90	0.54	34.0	12.9
NPR319	5	450086	4817495	2	180	0.61	34.0	12.9
VPR29	1	448363	4815931	2	0	0.62	34.0	12.9
VPR29	4	448363	4815931	2	135	0.62	34.0	12.9
NPR277	1	448851	4810775	2	0	0.54	33.9	12.9
NPR277	4	448851	4810775	2	135	0.53	33.8	12.8
NPR185	3	446335	4812981	2	90	0.41	33.2	12.6
NPR185	4	446335	4812981	2	135	0.41	33.2	12.6
NPR185	2	446335	4812981	2	45	0.41	33.1	12.6
NPR185	5	446335	4812981	2	180	0.41	33.1	12.6
NPR261	5	448430	4814471	2	180	0.67	32.8	12.5
VPR68	7	452127	4818805	2	270	0.47	32.8	12.5
VPR68	8	452127	4818805	2	315	0.47	32.8	12.5
VPR68	1	452127	4818805	2	0	0.47	32.7	12.4
VPR68	6	452127	4818805	2	225	0.47	32.7	12.4
VNPR116	3	447512	4820458	2	90	0.56	32.4	12.3
NPR169	5	445999	4817050	2	180	0.92	32.3	12.3
VNPR116	2	447512	4820458	2	45	0.56	32.3	12.3
VNPR116	4	447512	4820458	2	135	0.56	32.3	12.3
PR72	7	452359	4815373	2	270	0.68	32.1	12.2

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR72	8	452359	4815373	2	315	0.68	32.1	12.2
PR72	6	452359	4815373	2	225	0.68	32.0	12.2
PR32	5	447865	4816714	2	180	0.67	31.7	12.0
NPR183	4	446307	4813995	2	135	0.44	31.3	11.9
VPR52	5	450241	4816011	2	180	0.49	31.0	11.8
VPR54	3	450358	4816752	2	90	0.72	31.0	11.8
VNPR142	1	450105	4818279	2	0	0.46	30.9	11.7
VPR54	2	450358	4816752	2	45	0.72	30.9	11.7
VPR54	4	450358	4816752	2	135	0.72	30.9	11.7
VPR44	2	449907	4818470	2	45	0.45	30.8	11.7
NPR426	6	452512	4815782	2	225	0.49	30.7	11.7
NPR426	7	452512	4815782	2	270	0.49	30.7	11.7
VPR44	3	449907	4818470	2	90	0.45	30.7	11.7
VPR54	7	450358	4816752	2	270	0.45	30.7	11.7
VPR54	8	450358	4816752	2	315	0.45	30.7	11.7
NPR193	5	446611	4813233	2	180	0.54	30.6	11.6
NPR263	1	448442	4814359	2	0	0.51	30.6	11.6
NPR426	8	452512	4815782	2	315	0.49	30.6	11.6
PR7	5	445851	4819063	2	180	0.49	30.6	11.6
VPR44	4	449907	4818470	2	135	0.45	30.6	11.6
VPR54	6	450358	4816752	2	225	0.45	30.6	11.6
VPR47	6	449985	4818958	2	225	0.49	30.4	11.6
VPR47	7	449985	4818958	2	270	0.49	30.4	11.6
NPR169	1	445999	4817050	2	0	0.45	30.3	11.5
NPR198	5	446726	4810463	2	180	0.50	30.3	11.5
VPR47	8	449985	4818958	2	315	0.49	30.3	11.5
VPR31	2	448485	4813898	2	45	0.49	30.2	11.5
VPR31	3	448485	4813898	2	90	0.49	30.2	11.5
NPR189	1	446367	4812792	2	0	0.47	30.1	11.4
VPR27	2	448168	4815717	2	45	0.46	30.1	11.4
VPR27	3	448168	4815717	2	90	0.46	30.1	11.4
VPR31	4	448485	4813898	2	135	0.49	30.1	11.4
VPR27	1	448168	4815717	2	0	0.46	30.0	11.4
VPR27	4	448168	4815717	2	135	0.46	30.0	11.4
NPR176	2	446211	4814599	2	45	0.43	29.9	11.4
NPR176	3	446211	4814599	2	90	0.43	29.9	11.4
NPR170	3	446013	4816820	2	90	0.48	29.8	11.3
NPR170	4	446013	4816820	2	135	0.48	29.8	11.3
NPR176	4	446211	4814599	2	135	0.43	29.8	11.3
NPR191	3	446416	4812421	2	90	0.45	29.8	11.3
NPR170	2	446013	4816820	2	45	0.48	29.7	11.3
NPR191	2	446416	4812421	2	45	0.45	29.7	11.3
NPR191	4	446416	4812421	2	135	0.45	29.7	11.3
PR32	7	447865	4816714	2	270	0.47	29.7	11.3
NPR191	1	446416	4812421	2	0	0.45	29.6	11.2
NPR330	5	450316	4814708	2	180	0.38	29.6	11.2
PR32	6	447865	4816714	2	225	0.47	29.6	11.2
PR32	8	447865	4816714	2	315	0.47	29.6	11.2
PR53	5	449771	4819651	2	180	0.49	29.4	11.2
VNPR147	6	450337	4815350	2	225	0.56	29.4	11.2
VNPR147	7	450337	4815350	2	270	0.56	29.4	11.2
VNPR147	8	450337	4815350	2	315	0.56	29.4	11.2
VNPR172	6	451847	4819418	2	225	0.69	29.4	11.2
VNPR172	7	451847	4819418	2	270	0.69	29.4	11.2
VPR16	3	446654	4813472	2	90	0.43	29.4	11.2

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR16	4	446654	4813472	2	135	0.44	29.4	11.2
PR14	5	446319	4813381	2	180	0.52	29.3	11.1
PR4	3	445746	4820274	2	90	0.51	29.3	11.1
PR4	4	445746	4820274	2	135	0.51	29.3	11.1
VNPR172	5	451847	4819418	2	180	0.68	29.3	11.1
VNPR172	8	451847	4819418	2	315	0.68	29.3	11.1
VPR16	2	446654	4813472	2	45	0.43	29.3	11.1
NPR265	3	448465	4814070	2	90	0.50	29.2	11.1
NPR265	4	448465	4814070	2	135	0.50	29.2	11.1
PR4	5	445746	4820274	2	180	0.51	29.2	11.1
NPR265	2	448465	4814070	2	45	0.50	29.1	11.1
PR33	6	447885	4816776	2	225	0.45	29.1	11.1
PR33	7	447885	4816776	2	270	0.45	29.1	11.1
PR4	2	445746	4820274	2	45	0.51	29.1	11.1
VNPR103	3	446584	4812355	2	90	0.54	29.1	11.1
VPR17	1	446753	4812799	2	0	0.65	29.1	11.1
PR33	8	447885	4816776	2	315	0.45	29.0	11.0
VNPR103	2	446584	4812355	2	45	0.54	29.0	11.0
VPR23	2	447779	4820012	2	45	0.59	29.0	11.0
VPR23	3	447779	4820012	2	90	0.59	29.0	11.0
VNPR103	1	446584	4812355	2	0	0.53	28.9	11.0
VNPR103	4	446584	4812355	2	135	0.54	28.9	11.0
VPR11	7	446250	4816328	2	270	0.49	28.9	11.0
VPR23	1	447779	4820012	2	0	0.59	28.9	11.0
VPR23	4	447779	4820012	2	135	0.59	28.9	11.0
VPR11	8	446250	4816328	2	315	0.49	28.8	10.9
NPR183	2	446307	4813995	2	45	0.44	28.7	10.9
NPR183	3	446307	4813995	2	90	0.44	28.7	10.9
NPR211	6	446780	4821304	2	225	0.58	28.7	10.9
NPR211	7	446780	4821304	2	270	0.58	28.7	10.9
VPR11	6	446250	4816328	2	225	0.49	28.7	10.9
VPR49	6	450152	4811906	2	225	0.48	28.7	10.9
NPR211	5	446780	4821304	2	180	0.58	28.6	10.9
NPR428	6	452596	4816249	2	225	0.40	28.6	10.9
VNPR139	6	449973	4819121	2	225	0.48	28.6	10.9
VNPR139	7	449973	4819121	2	270	0.48	28.6	10.9
VPR49	5	450152	4811906	2	180	0.48	28.6	10.9
VPR49	7	450152	4811906	2	270	0.48	28.6	10.9
NPR211	8	446780	4821304	2	315	0.58	28.5	10.8
NPR266	7	448477	4813613	2	270	0.48	28.5	10.8
NPR266	8	448477	4813613	2	315	0.48	28.5	10.8
NPR428	5	452596	4816249	2	180	0.40	28.5	10.8
NPR428	7	452596	4816249	2	270	0.40	28.5	10.8
VNPR100	7	445986	4816083	2	270	0.62	28.5	10.8
VNPR100	8	445986	4816083	2	315	0.62	28.5	10.8
VNPR139	8	449973	4819121	2	315	0.48	28.5	10.8
VNPR85	3	445368	4821289	2	90	0.47	28.5	10.8
VNPR85	4	445368	4821289	2	135	0.47	28.5	10.8
VPR49	4	450152	4811906	2	135	0.48	28.5	10.8
NPR266	6	448477	4813613	2	225	0.48	28.4	10.8
PR40	5	448306	4816489	2	180	0.60	28.4	10.8
VNPR100	6	445986	4816083	2	225	0.62	28.4	10.8
VNPR85	2	445368	4821289	2	45	0.47	28.4	10.8
VNPR85	5	445368	4821289	2	180	0.47	28.4	10.8
VPR14	5	446456	4814868	2	180	0.54	28.3	10.8

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR9	5	446059	4816258	2	180	0.55	28.3	10.8
NPR218	6	446959	4810489	2	225	0.42	28.2	10.7
NPR218	7	446959	4810489	2	270	0.42	28.2	10.7
NPR218	8	446959	4810489	2	315	0.42	28.1	10.7
VPR3	3	445563	4821260	2	90	0.51	28.1	10.7
VPR3	4	445563	4821260	2	135	0.51	28.1	10.7
NPR179	2	446227	4814592	2	45	0.44	28.0	10.6
NPR179	3	446227	4814592	2	90	0.44	28.0	10.6
VPR3	5	445563	4821260	2	180	0.51	28.0	10.6
VPR33	5	448617	4814019	2	180	0.52	28.0	10.6
NPR179	4	446227	4814592	2	135	0.44	27.9	10.6
VPR3	2	445563	4821260	2	45	0.51	27.9	10.6
PR37	1	448153	4816022	2	0	0.49	27.8	10.6
PR64	2	450200	4816364	2	45	0.53	27.8	10.6
NPR174	1	446143	4815818	2	0	0.44	27.7	10.5
PR64	3	450200	4816364	2	90	0.53	27.7	10.5
PR64	4	450200	4816364	2	135	0.53	27.7	10.5
NPR187	5	446341	4816200	2	180	0.53	27.6	10.5
NPR190	5	446404	4813281	2	180	0.48	27.6	10.5
PR3	3	445586	4820650	2	90	0.64	27.6	10.5
PR64	1	450200	4816364	2	0	0.53	27.6	10.5
VPR46	7	449933	4818242	2	270	0.59	27.6	10.5
PR3	2	445586	4820650	2	45	0.64	27.5	10.5
PR3	4	445586	4820650	2	135	0.64	27.5	10.5
VPR46	8	449933	4818242	2	315	0.59	27.5	10.5
PR3	1	445586	4820650	2	0	0.63	27.4	10.4
VPR15	5	446493	4813192	2	180	0.47	27.4	10.4
VPR46	6	449933	4818242	2	225	0.59	27.4	10.4
NPR152	3	445565	4821061	2	90	0.62	27.2	10.3
NPR152	4	445565	4821061	2	135	0.62	27.2	10.3
VNPR122	5	448095	4816544	2	180	0.47	27.2	10.3
NPR152	5	445565	4821061	2	180	0.62	27.1	10.3
NPR152	2	445565	4821061	2	45	0.61	27.0	10.3
NPR210	6	446779	4821263	2	225	0.59	27.0	10.3
NPR210	7	446779	4821263	2	270	0.59	27.0	10.3
NPR210	5	446779	4821263	2	180	0.59	26.9	10.2
VPR5	5	445647	4819246	2	180	0.49	26.9	10.2
VPR51	1	450201	4817643	2	0	0.48	26.9	10.2
NPR160	1	445791	4818059	2	0	0.46	26.8	10.2
NPR210	8	446779	4821263	2	315	0.59	26.8	10.2
PR31	7	447693	4818501	2	270	0.40	26.8	10.2
VPR10	5	446217	4816460	2	180	0.46	26.8	10.2
PR31	6	447693	4818501	2	225	0.40	26.7	10.1
VPR44	5	449907	4818470	2	180	0.54	26.6	10.1
NPR137	4	445270	4811108	2	135	0.50	26.5	10.1
NPR137	3	445270	4811108	2	90	0.50	26.4	10.0
NPR137	5	445270	4811108	2	180	0.50	26.4	10.0
NPR265	5	448465	4814070	2	180	0.45	26.4	10.0
VNPR102	5	446544	4812593	2	180	0.65	26.4	10.0
NPR137	2	445270	4811108	2	45	0.50	26.3	10.0
VPR15	3	446493	4813192	2	90	0.48	26.3	10.0
VPR15	2	446493	4813192	2	45	0.47	26.2	10.0
VPR15	4	446493	4813192	2	135	0.48	26.2	10.0
VPR11	5	446250	4816328	2	180	0.48	26.1	9.9
NPR254	5	448178	4816267	2	180	0.52	26.0	9.9

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR31	5	448485	4813898	2	180	0.46	25.9	9.8
PR39	4	448221	4815247	2	135	0.43	25.7	9.8
VNPR108	7	447066	4810377	2	270	0.39	25.7	9.8
PR27	6	447478	4818154	2	225	0.52	25.6	9.7
PR27	7	447478	4818154	2	270	0.52	25.6	9.7
PR39	3	448221	4815247	2	90	0.43	25.6	9.7
VNPR108	6	447066	4810377	2	225	0.39	25.6	9.7
VNPR108	8	447066	4810377	2	315	0.39	25.6	9.7
PR27	5	447478	4818154	2	180	0.52	25.5	9.7
PR35	7	447935	4816765	2	270	0.43	25.5	9.7
PR39	2	448221	4815247	2	45	0.43	25.5	9.7
PR39	5	448221	4815247	2	180	0.43	25.5	9.7
PR73	2	452659	4815428	2	45	0.63	25.5	9.7
PR73	3	452659	4815428	2	90	0.63	25.5	9.7
PR73	4	452659	4815428	2	135	0.63	25.5	9.7
PR27	8	447478	4818154	2	315	0.52	25.4	9.7
PR35	6	447935	4816765	2	225	0.44	25.4	9.7
VPR10	7	446217	4816460	2	270	0.45	25.4	9.7
NPR354	6	451511	4816988	2	225	0.64	25.3	9.6
NPR354	7	451511	4816988	2	270	0.64	25.3	9.6
PR35	8	447935	4816765	2	315	0.43	25.3	9.6
VPR10	6	446217	4816460	2	225	0.45	25.3	9.6
VPR10	8	446217	4816460	2	315	0.45	25.3	9.6
NPR354	8	451511	4816988	2	315	0.64	25.2	9.6
NPR174	3	446143	4815818	2	90	0.42	25.1	9.5
NPR262	1	448438	4814388	2	0	0.51	25.1	9.5
NPR354	5	451511	4816988	2	180	0.64	25.1	9.5
NPR174	2	446143	4815818	2	45	0.42	25.0	9.5
NPR174	4	446143	4815818	2	135	0.41	25.0	9.5
PR58	7	450105	4816996	2	270	0.60	25.0	9.5
VPR16	5	446654	4813472	2	180	0.43	25.0	9.5
NPR233	4	447506	4821041	2	135	0.46	24.9	9.5
NPR250	2	448115	4815595	2	45	0.43	24.9	9.5
NPR250	3	448115	4815595	2	90	0.43	24.9	9.5
PR43	2	448512	4813159	2	45	0.42	24.9	9.5
PR58	6	450105	4816996	2	225	0.59	24.9	9.5
PR58	8	450105	4816996	2	315	0.60	24.9	9.5
NPR233	3	447506	4821041	2	90	0.46	24.8	9.4
NPR233	5	447506	4821041	2	180	0.46	24.8	9.4
NPR250	1	448115	4815595	2	0	0.43	24.8	9.4
PR28	7	447550	4818201	2	270	0.47	24.8	9.4
PR43	1	448512	4813159	2	0	0.41	24.8	9.4
PR43	3	448512	4813159	2	90	0.41	24.8	9.4
NPR178	1	446220	4816599	2	0	0.60	24.7	9.4
NPR233	2	447506	4821041	2	45	0.46	24.7	9.4
NPR250	4	448115	4815595	2	135	0.43	24.7	9.4
PR28	6	447550	4818201	2	225	0.47	24.7	9.4
PR28	8	447550	4818201	2	315	0.47	24.7	9.4
PR43	4	448512	4813159	2	135	0.41	24.7	9.4
NPR355	7	451530	4816963	2	270	0.63	24.5	9.3
PR54	4	449835	4819402	2	135	0.46	24.5	9.3
PR63	7	450166	4816899	2	270	0.55	24.5	9.3
PR63	8	450166	4816899	2	315	0.55	24.5	9.3
PR7	1	445851	4819063	2	0	0.63	24.5	9.3
VNPR101	6	446544	4812755	2	225	0.44	24.5	9.3

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR101	7	446544	4812755	2	270	0.44	24.5	9.3
VNPR101	8	446544	4812755	2	315	0.44	24.5	9.3
NPR205	6	446760	4811450	2	225	0.40	24.4	9.3
NPR355	6	451530	4816963	2	225	0.63	24.4	9.3
NPR355	8	451530	4816963	2	315	0.63	24.4	9.3
PR22	5	446703	4812580	2	180	0.63	24.4	9.3
NPR205	5	446760	4811450	2	180	0.40	24.3	9.2
NPR205	7	446760	4811450	2	270	0.40	24.3	9.2
NPR355	5	451530	4816963	2	180	0.63	24.3	9.2
PR63	6	450166	4816899	2	225	0.55	24.3	9.2
NPR205	8	446760	4811450	2	315	0.40	24.2	9.2
NPR386	6	451897	4819221	2	225	0.72	24.1	9.2
NPR386	7	451897	4819221	2	270	0.72	24.1	9.2
PR56	2	450025	4810446	2	45	0.57	24.1	9.2
PR56	3	450025	4810446	2	90	0.57	24.1	9.2
VNPR139	3	449973	4819121	2	90	0.77	24.1	9.2
VNPR139	4	449973	4819121	2	135	0.77	24.1	9.2
NPR270	3	448654	4811732	2	90	0.45	24.0	9.1
NPR270	4	448654	4811732	2	135	0.45	24.0	9.1
NPR386	8	451897	4819221	2	315	0.72	24.0	9.1
PR56	1	450025	4810446	2	0	0.57	24.0	9.1
VNPR139	2	449973	4819121	2	45	0.77	24.0	9.1
NPR189	2	446367	4812792	2	45	0.42	23.9	9.1
NPR189	3	446367	4812792	2	90	0.43	23.9	9.1
NPR189	4	446367	4812792	2	135	0.43	23.9	9.1
NPR196	5	446700	4812925	2	180	0.49	23.9	9.1
NPR270	5	448654	4811732	2	180	0.45	23.9	9.1
NPR386	5	451897	4819221	2	180	0.72	23.9	9.1
PR56	4	450025	4810446	2	135	0.56	23.9	9.1
VPR7	3	445985	4818110	2	90	0.44	23.9	9.1
NPR185	6	446335	4812981	2	225	0.55	23.8	9.0
NPR185	7	446335	4812981	2	270	0.55	23.8	9.0
NPR185	8	446335	4812981	2	315	0.55	23.8	9.0
NPR209	6	446771	4811465	2	225	0.40	23.8	9.0
NPR270	2	448654	4811732	2	45	0.44	23.8	9.0
VPR7	2	445985	4818110	2	45	0.44	23.8	9.0
NPR178	6	446220	4816599	2	225	0.44	23.7	9.0
NPR178	7	446220	4816599	2	270	0.44	23.7	9.0
NPR178	8	446220	4816599	2	315	0.44	23.7	9.0
NPR180	5	446230	4814992	2	180	0.42	23.7	9.0
NPR209	5	446771	4811465	2	180	0.40	23.7	9.0
NPR209	7	446771	4811465	2	270	0.40	23.7	9.0
NPR209	8	446771	4811465	2	315	0.40	23.7	9.0
VNPR66	2	444861	4809973	2	45	0.36	23.7	9.0
VNPR66	3	444861	4809973	2	90	0.36	23.7	9.0
VPR7	4	445985	4818110	2	135	0.44	23.7	9.0
NPR185	1	446335	4812981	2	0	0.55	23.6	9.0
PR53	6	449771	4819651	2	225	0.49	23.6	9.0
VNPR66	4	444861	4809973	2	135	0.36	23.6	9.0
VPR51	3	450201	4817643	2	90	0.55	23.6	9.0
VPR51	4	450201	4817643	2	135	0.55	23.6	9.0
NPR177	1	446215	4816644	2	0	0.60	23.5	8.9
PR53	7	449771	4819651	2	270	0.49	23.5	8.9
VPR51	2	450201	4817643	2	45	0.55	23.5	8.9
NPR338	5	450561	4816114	2	180	0.75	23.4	8.9

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR53	8	449771	4819651	2	315	0.49	23.4	8.9
VPR33	1	448617	4814019	2	0	0.59	23.4	8.9
NPR257	2	448296	4815996	2	45	0.58	23.2	8.8
NPR257	3	448296	4815996	2	90	0.58	23.2	8.8
NPR257	1	448296	4815996	2	0	0.58	23.1	8.8
NPR257	4	448296	4815996	2	135	0.58	23.1	8.8
PR35	3	447935	4816765	2	90	0.40	23.1	8.8
PR35	4	447935	4816765	2	135	0.40	23.1	8.8
PR9	3	445940	4818631	2	90	0.62	23.1	8.8
PR35	2	447935	4816765	2	45	0.40	23.0	8.7
PR9	2	445940	4818631	2	45	0.62	23.0	8.7
PR9	4	445940	4818631	2	135	0.62	23.0	8.7
VNPR67	2	444952	4810189	2	45	0.40	23.0	8.7
VNPR67	3	444952	4810189	2	90	0.40	23.0	8.7
VNPR67	4	444952	4810189	2	135	0.40	23.0	8.7
VPR6	2	445934	4818536	2	45	0.61	23.0	8.7
VPR6	3	445934	4818536	2	90	0.61	23.0	8.7
PR9	1	445940	4818631	2	0	0.62	22.9	8.7
VPR45	3	449908	4810807	2	90	0.62	22.9	8.7
VPR6	4	445934	4818536	2	135	0.61	22.9	8.7
NPR177	7	446215	4816644	2	270	0.44	22.8	8.7
NPR196	1	446700	4812925	2	0	0.61	22.8	8.7
NPR258	3	448303	4816064	2	90	0.60	22.8	8.7
VPR45	2	449908	4810807	2	45	0.61	22.8	8.7
VPR45	4	449908	4810807	2	135	0.61	22.8	8.7
VPR6	1	445934	4818536	2	0	0.61	22.8	8.7
NPR167	3	445926	4817415	2	90	0.45	22.7	8.6
NPR177	6	446215	4816644	2	225	0.44	22.7	8.6
NPR177	8	446215	4816644	2	315	0.44	22.7	8.6
NPR182	4	446294	4813986	2	135	0.43	22.7	8.6
NPR216	7	446871	4809721	2	270	0.54	22.7	8.6
NPR258	2	448303	4816064	2	45	0.59	22.7	8.6
NPR258	4	448303	4816064	2	135	0.59	22.7	8.6
NPR339	5	450563	4816092	2	180	0.75	22.7	8.6
VNPR116	5	447512	4820458	2	180	0.62	22.7	8.6
NPR167	2	445926	4817415	2	45	0.45	22.6	8.6
NPR167	4	445926	4817415	2	135	0.45	22.6	8.6
NPR216	6	446871	4809721	2	225	0.54	22.6	8.6
NPR216	8	446871	4809721	2	315	0.54	22.6	8.6
NPR258	1	448303	4816064	2	0	0.59	22.6	8.6
PR54	6	449835	4819402	2	225	0.51	22.6	8.6
VPR45	1	449908	4810807	2	0	0.61	22.6	8.6
NPR216	1	446871	4809721	2	0	0.54	22.5	8.6
PR54	7	449835	4819402	2	270	0.51	22.5	8.6
NPR212	5	446803	4811488	2	180	0.38	22.4	8.5
NPR212	6	446803	4811488	2	225	0.38	22.4	8.5
NPR212	7	446803	4811488	2	270	0.38	22.4	8.5
NPR212	8	446803	4811488	2	315	0.38	22.4	8.5
PR23	6	446828	4821122	2	225	0.60	22.4	8.5
PR23	7	446828	4821122	2	270	0.60	22.4	8.5
NPR238	2	447722	4820143	2	45	0.56	22.3	8.5
NPR238	3	447722	4820143	2	90	0.56	22.3	8.5
NPR311	6	449392	4821176	2	225	0.36	22.3	8.5
NPR311	7	449392	4821176	2	270	0.36	22.3	8.5
NPR315	5	449925	4819579	2	180	0.44	22.3	8.5

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR23	5	446828	4821122	2	180	0.60	22.3	8.5
PR23	8	446828	4821122	2	315	0.60	22.3	8.5
VPR7	5	445985	4818110	2	180	0.44	22.3	8.5
NPR311	5	449392	4821176	2	180	0.36	22.2	8.4
NPR311	8	449392	4821176	2	315	0.36	22.2	8.4
VPR22	5	447752	4820457	2	180	0.59	22.2	8.4
VPR5	1	445647	4819246	2	0	0.42	22.2	8.4
NPR238	1	447722	4820143	2	0	0.56	22.1	8.4
PR33	3	447885	4816776	2	90	0.38	22.1	8.4
PR33	4	447885	4816776	2	135	0.38	22.1	8.4
NPR119	3	444903	4811231	2	90	0.40	22.0	8.4
NPR119	4	444903	4811231	2	135	0.40	22.0	8.4
NPR190	3	446404	4813281	2	90	0.43	22.0	8.4
NPR238	4	447722	4820143	2	135	0.56	22.0	8.4
PR33	2	447885	4816776	2	45	0.38	22.0	8.4
VNPR147	1	450337	4815350	2	0	0.56	22.0	8.4
NPR119	2	444903	4811231	2	45	0.39	21.9	8.3
NPR119	5	444903	4811231	2	180	0.39	21.9	8.3
NPR190	2	446404	4813281	2	45	0.43	21.9	8.3
NPR190	4	446404	4813281	2	135	0.43	21.9	8.3
NPR264	3	448464	4814973	2	90	0.58	21.9	8.3
NPR264	4	448464	4814973	2	135	0.58	21.9	8.3
PR5	1	445755	4819508	2	0	0.51	21.9	8.3
NPR264	2	448464	4814973	2	45	0.57	21.8	8.3
NPR264	5	448464	4814973	2	180	0.57	21.8	8.3
PR62	6	450162	4816963	2	225	0.55	21.8	8.3
PR62	7	450162	4816963	2	270	0.56	21.8	8.3
PR62	8	450162	4816963	2	315	0.56	21.8	8.3
NPR136	4	445264	4811128	2	135	0.47	21.7	8.2
NPR208	5	446771	4811500	2	180	0.39	21.7	8.2
NPR208	6	446771	4811500	2	225	0.39	21.7	8.2
NPR208	7	446771	4811500	2	270	0.39	21.7	8.2
NPR208	8	446771	4811500	2	315	0.39	21.7	8.2
VPR43	6	449866	4818705	2	225	0.57	21.7	8.2
VPR43	7	449866	4818705	2	270	0.57	21.7	8.2
NPR136	3	445264	4811128	2	90	0.47	21.6	8.2
NPR136	5	445264	4811128	2	180	0.47	21.6	8.2
VPR46	5	449933	4818242	2	180	0.59	21.6	8.2
NPR136	2	445264	4811128	2	45	0.47	21.5	8.2
NPR183	1	446307	4813995	2	0	0.44	21.5	8.2
NPR204	5	446758	4811496	2	180	0.40	21.5	8.2
NPR204	6	446758	4811496	2	225	0.40	21.5	8.2
NPR204	7	446758	4811496	2	270	0.40	21.5	8.2
NPR204	8	446758	4811496	2	315	0.40	21.5	8.2
VNPR144	3	450227	4817529	2	90	0.58	21.5	8.2
VNPR144	4	450227	4817529	2	135	0.58	21.5	8.2
VNPR155	7	450855	4812792	2	270	0.51	21.5	8.2
VNPR155	8	450855	4812792	2	315	0.51	21.5	8.2
VPR43	5	449866	4818705	2	180	0.57	21.5	8.2
VNPR144	2	450227	4817529	2	45	0.57	21.4	8.1
NPR172	7	446062	4816126	2	270	0.56	21.3	8.1
NPR172	8	446062	4816126	2	315	0.56	21.3	8.1
NPR256	5	448274	4814915	2	180	0.78	21.3	8.1
PR12	1	446089	4817042	2	0	0.47	21.3	8.1
VNPR135	5	449315	4820995	2	180	0.40	21.3	8.1

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR135	6	449315	4820995	2	225	0.40	21.3	8.1
VNPR135	7	449315	4820995	2	270	0.40	21.3	8.1
VNPR155	6	450855	4812792	2	225	0.51	21.3	8.1
VPR56	5	450432	4812112	2	180	0.37	21.3	8.1
VPR56	6	450432	4812112	2	225	0.37	21.3	8.1
VPR56	7	450432	4812112	2	270	0.37	21.3	8.1
NPR172	6	446062	4816126	2	225	0.56	21.2	8.1
VNPR135	8	449315	4820995	2	315	0.40	21.2	8.1
VPR56	8	450432	4812112	2	315	0.37	21.2	8.1
VPR64	5	450701	4812935	2	180	0.59	21.2	8.1
PR47	2	448678	4813543	2	45	0.54	21.0	8.0
PR47	3	448678	4813543	2	90	0.55	21.0	8.0
NPR269	3	448644	4811639	2	90	0.46	20.9	7.9
NPR269	4	448644	4811639	2	135	0.46	20.9	7.9
PR47	4	448678	4813543	2	135	0.54	20.9	7.9
NPR182	2	446294	4813986	2	45	0.43	20.8	7.9
NPR182	3	446294	4813986	2	90	0.43	20.8	7.9
NPR269	2	448644	4811639	2	45	0.46	20.8	7.9
NPR269	5	448644	4811639	2	180	0.46	20.8	7.9
PR61	7	450146	4817041	2	270	0.56	20.8	7.9
PR65	1	450220	4817114	2	0	0.55	20.8	7.9
NPR182	1	446294	4813986	2	0	0.43	20.7	7.9
PR61	6	450146	4817041	2	225	0.56	20.7	7.9
PR61	8	450146	4817041	2	315	0.56	20.7	7.9
NPR199	5	446742	4811496	2	180	0.40	20.6	7.8
NPR199	6	446742	4811496	2	225	0.40	20.6	7.8
NPR337	5	450555	4816002	2	180	0.76	20.6	7.8
PR28	5	447550	4818201	2	180	0.47	20.6	7.8
VNPR152	5	450749	4813593	2	180	0.53	20.6	7.8
NPR199	7	446742	4811496	2	270	0.40	20.4	7.8
VPR65	6	450727	4814005	2	225	0.58	20.4	7.8
VPR65	7	450727	4814005	2	270	0.58	20.4	7.8
VPR65	8	450727	4814005	2	315	0.58	20.4	7.8
NPR199	4	446742	4811496	2	135	0.40	20.3	7.7
NPR232	3	447504	4821062	2	90	0.45	20.3	7.7
NPR232	4	447504	4821062	2	135	0.45	20.3	7.7
NPR261	1	448430	4814471	2	0	0.52	20.3	7.7
VPR13	5	446376	4815894	2	180	0.43	20.3	7.7
VPR65	5	450727	4814005	2	180	0.58	20.3	7.7
NPR181	5	446292	4813694	2	180	0.47	20.2	7.7
NPR232	5	447504	4821062	2	180	0.44	20.2	7.7
PR12	6	446089	4817042	2	225	0.44	20.2	7.7
NPR151	2	445538	4820277	2	45	0.42	20.1	7.6
NPR151	3	445538	4820277	2	90	0.42	20.1	7.6
NPR232	2	447504	4821062	2	45	0.44	20.1	7.6
PR12	7	446089	4817042	2	270	0.44	20.1	7.6
VNPR100	2	445986	4816083	2	45	0.37	20.1	7.6
VNPR100	3	445986	4816083	2	90	0.37	20.1	7.6
NPR151	4	445538	4820277	2	135	0.42	20.0	7.6
NPR283	6	449056	4821111	2	225	0.44	20.0	7.6
NPR283	7	449056	4821111	2	270	0.44	20.0	7.6
NPR283	5	449056	4821111	2	180	0.44	19.9	7.6
PR55	7	450004	4818106	2	270	0.57	19.9	7.6
VNPR100	4	445986	4816083	2	135	0.37	19.9	7.6
NPR181	6	446292	4813694	2	225	0.47	19.8	7.5

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR55	6	450004	4818106	2	225	0.57	19.8	7.5
PR55	8	450004	4818106	2	315	0.57	19.8	7.5
VPR43	8	449866	4818705	2	315	0.57	19.8	7.5
NPR181	7	446292	4813694	2	270	0.47	19.7	7.5
PR55	5	450004	4818106	2	180	0.57	19.7	7.5
NPR181	8	446292	4813694	2	315	0.47	19.6	7.4
PR62	5	450162	4816963	2	180	0.54	19.5	7.4
VNPR116	1	447512	4820458	2	0	0.56	19.4	7.4
NPR161	3	445799	4819886	2	90	0.57	19.3	7.3
NPR207	7	446771	4810107	2	270	0.56	19.3	7.3
NPR410	3	452173	4816186	2	90	0.37	19.3	7.3
NPR410	4	452173	4816186	2	135	0.37	19.3	7.3
VNPR149	1	450572	4814979	2	0	0.36	19.3	7.3
VNPR151	6	450697	4814218	2	225	0.55	19.3	7.3
VNPR151	7	450697	4814218	2	270	0.55	19.3	7.3
NPR161	2	445799	4819886	2	45	0.57	19.2	7.3
NPR161	4	445799	4819886	2	135	0.57	19.2	7.3
NPR207	5	446771	4810107	2	180	0.56	19.2	7.3
NPR207	6	446771	4810107	2	225	0.56	19.2	7.3
NPR207	8	446771	4810107	2	315	0.56	19.2	7.3
NPR410	2	452173	4816186	2	45	0.37	19.2	7.3
VNPR151	5	450697	4814218	2	180	0.55	19.2	7.3
VNPR151	8	450697	4814218	2	315	0.55	19.2	7.3
VNPR77	3	445114	4821440	2	90	0.37	19.2	7.3
VNPR77	4	445114	4821440	2	135	0.37	19.2	7.3
VPR47	3	449985	4818958	2	90	0.55	19.2	7.3
NPR161	1	445799	4819886	2	0	0.56	19.1	7.3
NPR319	6	450086	4817495	2	225	0.51	19.1	7.3
NPR319	7	450086	4817495	2	270	0.51	19.1	7.3
VNPR77	2	445114	4821440	2	45	0.37	19.1	7.3
VNPR77	5	445114	4821440	2	180	0.37	19.1	7.3
VPR47	2	449985	4818958	2	45	0.55	19.1	7.3
VPR47	4	449985	4818958	2	135	0.55	19.1	7.3
VPR61	5	450554	4815629	2	180	0.42	19.1	7.3
NPR319	8	450086	4817495	2	315	0.51	19.0	7.2
VNPR102	1	446544	4812593	2	0	0.48	18.9	7.2
VNPR71	2	445002	4809910	2	45	0.39	18.9	7.2
VNPR71	3	445002	4809910	2	90	0.39	18.9	7.2
VNPR71	4	445002	4809910	2	135	0.39	18.8	7.1
PR63	5	450166	4816899	2	180	0.54	18.7	7.1
VNPR101	5	446544	4812755	2	180	0.51	18.7	7.1
NPR176	1	446211	4814599	2	0	0.37	18.6	7.1
PR54	3	449835	4819402	2	90	0.46	18.6	7.1
PR54	2	449835	4819402	2	45	0.45	18.5	7.0
VPR42	5	449844	4818927	2	180	0.54	18.5	7.0
VPR53	6	450284	4815804	2	225	0.52	18.5	7.0
VPR53	7	450284	4815804	2	270	0.52	18.5	7.0
NPR243	2	448002	4818473	2	45	0.37	18.4	7.0
NPR243	3	448002	4818473	2	90	0.37	18.4	7.0
VNPR123	2	448102	4818051	2	45	0.38	18.4	7.0
VNPR123	3	448102	4818051	2	90	0.38	18.4	7.0
VNPR123	4	448102	4818051	2	135	0.37	18.4	7.0
VPR53	5	450284	4815804	2	180	0.52	18.4	7.0
VPR53	8	450284	4815804	2	315	0.52	18.4	7.0
NPR243	1	448002	4818473	2	0	0.36	18.3	7.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR243	4	448002	4818473	2	135	0.37	18.3	7.0
NPR321	2	450192	4817377	2	45	0.55	18.3	7.0
NPR321	3	450192	4817377	2	90	0.55	18.3	7.0
NPR321	4	450192	4817377	2	135	0.55	18.3	7.0
NPR321	1	450192	4817377	2	0	0.55	18.2	6.9
NPR426	3	452512	4815782	2	90	0.52	18.2	6.9
NPR426	4	452512	4815782	2	135	0.52	18.2	6.9
NPR154	5	445692	4819028	2	180	0.45	18.1	6.9
NPR328	7	450275	4815091	2	270	0.38	18.1	6.9
NPR328	8	450275	4815091	2	315	0.37	18.1	6.9
NPR426	2	452512	4815782	2	45	0.52	18.1	6.9
PR17	2	446442	4814492	2	45	0.55	18.1	6.9
PR17	3	446442	4814492	2	90	0.55	18.1	6.9
PR17	4	446442	4814492	2	135	0.55	18.1	6.9
NPR139	3	445289	4819595	2	90	0.35	18.0	6.8
NPR172	2	446062	4816126	2	45	0.40	18.0	6.8
NPR172	3	446062	4816126	2	90	0.40	18.0	6.8
PR11	2	446066	4817753	2	45	0.53	18.0	6.8
PR11	3	446066	4817753	2	90	0.53	18.0	6.8
PR11	4	446066	4817753	2	135	0.53	18.0	6.8
PR17	1	446442	4814492	2	0	0.55	18.0	6.8
NPR139	2	445289	4819595	2	45	0.35	17.9	6.8
NPR139	4	445289	4819595	2	135	0.35	17.9	6.8
NPR172	4	446062	4816126	2	135	0.40	17.9	6.8
NPR256	7	448274	4814915	2	270	0.37	17.9	6.8
NPR256	8	448274	4814915	2	315	0.37	17.9	6.8
NPR328	6	450275	4815091	2	225	0.37	17.9	6.8
PR11	5	446066	4817753	2	180	0.53	17.9	6.8
NPR256	6	448274	4814915	2	225	0.37	17.8	6.8
PR61	1	450146	4817041	2	0	0.50	17.8	6.8
VNPR107	6	446907	4809792	2	225	0.51	17.7	6.7
VNPR107	8	446907	4809792	2	315	0.51	17.7	6.7
NPR246	2	448051	4817946	2	45	0.35	17.6	6.7
NPR246	3	448051	4817946	2	90	0.35	17.6	6.7
PR58	5	450105	4816996	2	180	0.50	17.6	6.7
VNPR107	1	446907	4809792	2	0	0.51	17.6	6.7
VNPR121	3	448080	4818220	2	90	0.38	17.6	6.7
NPR246	1	448051	4817946	2	0	0.35	17.5	6.7
NPR246	4	448051	4817946	2	135	0.35	17.5	6.7
VNPR107	7	446907	4809792	2	270	0.51	17.5	6.7
VNPR121	2	448080	4818220	2	45	0.38	17.5	6.7
VNPR121	4	448080	4818220	2	135	0.38	17.5	6.7
NPR206	5	446761	4811539	2	180	0.39	17.4	6.6
NPR206	6	446761	4811539	2	225	0.39	17.4	6.6
NPR206	7	446761	4811539	2	270	0.39	17.4	6.6
NPR428	4	452596	4816249	2	135	0.38	17.4	6.6
PR16	2	446423	4814463	2	45	0.54	17.4	6.6
PR16	3	446423	4814463	2	90	0.54	17.4	6.6
PR16	4	446423	4814463	2	135	0.54	17.4	6.6
PR66	6	450326	4815610	2	225	0.54	17.4	6.6
PR66	7	450326	4815610	2	270	0.54	17.4	6.6
NPR169	6	445999	4817050	2	225	0.48	17.3	6.6
NPR169	7	445999	4817050	2	270	0.48	17.3	6.6
NPR206	4	446761	4811539	2	135	0.39	17.3	6.6
PR16	1	446423	4814463	2	0	0.53	17.3	6.6

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR66	5	450326	4815610	2	180	0.54	17.3	6.6
PR66	8	450326	4815610	2	315	0.54	17.3	6.6
VPR31	1	448485	4813898	2	0	0.49	17.3	6.6
NPR169	8	445999	4817050	2	315	0.48	17.2	6.5
VNPR122	3	448095	4816544	2	90	0.47	17.2	6.5
VNPR122	4	448095	4816544	2	135	0.47	17.2	6.5
NPR423	2	452468	4815222	2	45	0.48	17.1	6.5
NPR423	3	452468	4815222	2	90	0.48	17.1	6.5
NPR423	4	452468	4815222	2	135	0.47	17.1	6.5
VNPR122	2	448095	4816544	2	45	0.47	17.1	6.5
VPR61	3	450554	4815629	2	90	0.38	17.1	6.5
VPR61	4	450554	4815629	2	135	0.38	17.1	6.5
NPR187	3	446341	4816200	2	90	0.53	17.0	6.5
NPR197	6	446702	4811492	2	225	0.40	17.0	6.5
NPR314	3	449918	4819237	2	90	0.51	17.0	6.5
NPR314	4	449918	4819237	2	135	0.50	17.0	6.5
PR24	7	446836	4810055	2	270	0.53	17.0	6.5
VPR61	2	450554	4815629	2	45	0.38	17.0	6.5
NPR187	2	446341	4816200	2	45	0.53	16.9	6.4
NPR187	4	446341	4816200	2	135	0.53	16.9	6.4
NPR197	5	446702	4811492	2	180	0.40	16.9	6.4
NPR197	7	446702	4811492	2	270	0.40	16.9	6.4
NPR314	2	449918	4819237	2	45	0.50	16.9	6.4
PR24	6	446836	4810055	2	225	0.53	16.9	6.4
PR24	8	446836	4810055	2	315	0.53	16.9	6.4
VPR26	2	447983	4818615	2	45	0.36	16.9	6.4
VPR26	3	447983	4818615	2	90	0.36	16.9	6.4
NPR197	4	446702	4811492	2	135	0.40	16.8	6.4
PR24	5	446836	4810055	2	180	0.53	16.8	6.4
VPR26	4	447983	4818615	2	135	0.36	16.8	6.4
PR10	3	446046	4817448	2	90	0.52	16.7	6.3
PR10	2	446046	4817448	2	45	0.52	16.6	6.3
PR10	4	446046	4817448	2	135	0.52	16.6	6.3
PR10	1	446046	4817448	2	0	0.51	16.5	6.3
NPR146	2	445406	4820631	2	45	0.51	16.4	6.2
NPR146	3	445406	4820631	2	90	0.51	16.4	6.2
NPR146	4	445406	4820631	2	135	0.51	16.4	6.2
PR54	8	449835	4819402	2	315	0.51	16.4	6.2
NPR146	1	445406	4820631	2	0	0.50	16.3	6.2
NPR179	1	446227	4814592	2	0	0.37	16.3	6.2
NPR254	2	448178	4816267	2	45	0.52	16.3	6.2
NPR254	3	448178	4816267	2	90	0.52	16.3	6.2
NPR254	4	448178	4816267	2	135	0.52	16.3	6.2
PR14	6	446319	4813381	2	225	0.52	16.3	6.2
PR14	7	446319	4813381	2	270	0.52	16.3	6.2
VNPR155	5	450855	4812792	2	180	0.51	16.3	6.2
VPR43	4	449866	4818705	2	135	0.46	16.3	6.2
PR14	8	446319	4813381	2	315	0.52	16.2	6.2
NPR154	1	445692	4819028	2	0	0.51	16.1	6.1
NPR261	6	448430	4814471	2	225	0.41	16.1	6.1
PR31	4	447693	4818501	2	135	0.37	16.1	6.1
PR31	5	447693	4818501	2	180	0.37	16.1	6.1
NPR174	7	446143	4815818	2	270	0.44	16.0	6.1
NPR174	8	446143	4815818	2	315	0.44	16.0	6.1
NPR261	7	448430	4814471	2	270	0.41	16.0	6.1

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR66	1	444861	4809973	2	0	0.36	16.0	6.1
VPR30	5	448411	4815556	2	180	0.36	16.0	6.1
NPR174	6	446143	4815818	2	225	0.44	15.9	6.0
NPR261	8	448430	4814471	2	315	0.41	15.9	6.0
PR65	6	450220	4817114	2	225	0.50	15.9	6.0
PR65	7	450220	4817114	2	270	0.50	15.9	6.0
PR65	8	450220	4817114	2	315	0.51	15.9	6.0
VPR57	8	450477	4814391	2	315	0.36	15.9	6.0
PR34	2	447911	4818873	2	45	0.35	15.8	6.0
PR34	3	447911	4818873	2	90	0.36	15.8	6.0
PR34	4	447911	4818873	2	135	0.35	15.8	6.0
VPR55	6	450407	4814813	2	225	0.35	15.8	6.0
VPR55	7	450407	4814813	2	270	0.35	15.8	6.0
VPR55	8	450407	4814813	2	315	0.35	15.8	6.0
NPR155	3	445714	4819842	2	90	0.51	15.7	6.0
NPR155	4	445714	4819842	2	135	0.51	15.7	6.0
NPR155	1	445714	4819842	2	0	0.51	15.6	5.9
NPR155	2	445714	4819842	2	45	0.51	15.6	5.9
VPR13	7	446376	4815894	2	270	0.41	15.6	5.9
VPR13	8	446376	4815894	2	315	0.41	15.6	5.9
NPR188	2	446361	4814325	2	45	0.49	15.5	5.9
NPR188	3	446361	4814325	2	90	0.49	15.5	5.9
VNPR108	1	447066	4810377	2	0	0.38	15.5	5.9
VPR13	6	446376	4815894	2	225	0.41	15.5	5.9
NPR188	1	446361	4814325	2	0	0.49	15.4	5.9
NPR188	4	446361	4814325	2	135	0.49	15.4	5.9
NPR195	5	446681	4811491	2	180	0.40	15.4	5.9
NPR195	6	446681	4811491	2	225	0.40	15.4	5.9
NPR195	7	446681	4811491	2	270	0.40	15.4	5.9
PR37	3	448153	4816022	2	90	0.49	15.4	5.9
NPR195	4	446681	4811491	2	135	0.40	15.3	5.8
PR37	2	448153	4816022	2	45	0.49	15.3	5.8
PR37	4	448153	4816022	2	135	0.49	15.3	5.8
PR70	6	452028	4819238	2	225	0.50	15.3	5.8
PR70	7	452028	4819238	2	270	0.50	15.3	5.8
NPR318	6	450005	4811883	2	225	0.43	15.2	5.8
PR70	5	452028	4819238	2	180	0.50	15.2	5.8
PR70	8	452028	4819238	2	315	0.50	15.2	5.8
NPR265	1	448465	4814070	2	0	0.50	15.1	5.7
NPR318	5	450005	4811883	2	180	0.43	15.1	5.7
NPR318	7	450005	4811883	2	270	0.43	15.1	5.7
PR47	8	448678	4813543	2	315	0.46	15.1	5.7
VNPR104	6	446646	4811464	2	225	0.41	15.1	5.7
VNPR104	7	446646	4811464	2	270	0.41	15.1	5.7
NPR193	1	446611	4813233	2	0	0.40	15.0	5.7
NPR319	2	450086	4817495	2	45	0.49	15.0	5.7
NPR319	3	450086	4817495	2	90	0.49	15.0	5.7
NPR319	4	450086	4817495	2	135	0.49	15.0	5.7
PR47	6	448678	4813543	2	225	0.46	15.0	5.7
PR47	7	448678	4813543	2	270	0.46	15.0	5.7
VNPR104	4	446646	4811464	2	135	0.41	15.0	5.7
VNPR104	5	446646	4811464	2	180	0.41	15.0	5.7
NPR276	3	448827	4811729	2	90	0.42	14.9	5.7
NPR276	4	448827	4811729	2	135	0.42	14.9	5.7
NPR276	5	448827	4811729	2	180	0.42	14.9	5.7

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR318	4	450005	4811883	2	135	0.43	14.9	5.7
PR60	6	450135	4818082	2	225	0.49	14.9	5.7
PR60	7	450135	4818082	2	270	0.49	14.9	5.7
PR60	8	450135	4818082	2	315	0.49	14.9	5.7
NPR166	2	445924	4817452	2	45	0.45	14.8	5.6
NPR166	3	445924	4817452	2	90	0.45	14.8	5.6
NPR166	4	445924	4817452	2	135	0.45	14.8	5.6
NPR276	2	448827	4811729	2	45	0.42	14.8	5.6
PR32	3	447865	4816714	2	90	0.38	14.8	5.6
PR32	4	447865	4816714	2	135	0.38	14.8	5.6
PR60	5	450135	4818082	2	180	0.49	14.8	5.6
NPR160	5	445791	4818059	2	180	0.40	14.7	5.6
NPR226	1	447213	4809389	2	0	0.37	14.7	5.6
NPR226	6	447213	4809389	2	225	0.37	14.7	5.6
PR32	2	447865	4816714	2	45	0.38	14.7	5.6
VPR43	2	449866	4818705	2	45	0.46	14.7	5.6
VPR43	3	449866	4818705	2	90	0.46	14.7	5.6
NPR218	1	446959	4810489	2	0	0.42	14.6	5.5
NPR226	7	447213	4809389	2	270	0.37	14.6	5.5
NPR226	8	447213	4809389	2	315	0.37	14.6	5.5
NPR321	6	450192	4817377	2	225	0.48	14.6	5.5
NPR321	7	450192	4817377	2	270	0.48	14.6	5.5
VPR43	1	449866	4818705	2	0	0.46	14.6	5.5
NPR321	5	450192	4817377	2	180	0.48	14.5	5.5
NPR321	8	450192	4817377	2	315	0.48	14.5	5.5
NPR151	5	445538	4820277	2	180	0.42	14.4	5.5
NPR200	3	446743	4813748	2	90	0.49	14.4	5.5
NPR286	5	449147	4821371	2	180	0.38	14.4	5.5
NPR286	6	449147	4821371	2	225	0.38	14.4	5.5
NPR286	7	449147	4821371	2	270	0.38	14.4	5.5
NPR190	7	446404	4813281	2	270	0.48	14.3	5.4
NPR200	2	446743	4813748	2	45	0.49	14.3	5.4
NPR200	4	446743	4813748	2	135	0.49	14.3	5.4
NPR286	8	449147	4821371	2	315	0.38	14.3	5.4
NPR190	6	446404	4813281	2	225	0.48	14.2	5.4
NPR190	8	446404	4813281	2	315	0.48	14.2	5.4
NPR200	1	446743	4813748	2	0	0.49	14.2	5.4
VNPR142	5	450105	4818279	2	180	0.48	14.1	5.4
NPR141	3	445332	4820631	2	90	0.47	13.9	5.3
NPR184	2	446321	4814570	2	45	0.48	13.9	5.3
NPR184	3	446321	4814570	2	90	0.48	13.9	5.3
NPR184	4	446321	4814570	2	135	0.48	13.9	5.3
NPR141	2	445332	4820631	2	45	0.47	13.8	5.2
NPR141	4	445332	4820631	2	135	0.47	13.8	5.2
NPR184	5	446321	4814570	2	180	0.48	13.8	5.2
NPR141	1	445332	4820631	2	0	0.47	13.7	5.2
NPR218	5	446959	4810489	2	180	0.41	13.6	5.2
NPR262	6	448438	4814388	2	225	0.42	13.6	5.2
NPR262	7	448438	4814388	2	270	0.42	13.6	5.2
NPR283	8	449056	4821111	2	315	0.44	13.6	5.2
PR12	8	446089	4817042	2	315	0.44	13.6	5.2
VNPR105	6	446702	4811523	2	225	0.38	13.6	5.2
VNPR144	6	450227	4817529	2	225	0.44	13.6	5.2
VNPR144	7	450227	4817529	2	270	0.44	13.6	5.2
VNPR152	1	450749	4813593	2	0	0.43	13.6	5.2

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR256	2	448274	4814915	2	45	0.46	13.5	5.1
NPR256	3	448274	4814915	2	90	0.47	13.5	5.1
NPR256	4	448274	4814915	2	135	0.47	13.5	5.1
NPR262	8	448438	4814388	2	315	0.42	13.5	5.1
NPR468	6	454202	4816342	2	225	0.38	13.5	5.1
PR73	5	452659	4815428	2	180	0.46	13.5	5.1
VNPR105	4	446702	4811523	2	135	0.38	13.5	5.1
VNPR105	5	446702	4811523	2	180	0.38	13.5	5.1
VNPR105	7	446702	4811523	2	270	0.38	13.5	5.1
VNPR144	8	450227	4817529	2	315	0.44	13.5	5.1
VNPR90	5	445721	4818650	2	180	0.47	13.5	5.1
NPR315	6	449925	4819579	2	225	0.44	13.4	5.1
NPR315	7	449925	4819579	2	270	0.44	13.4	5.1
NPR468	5	454202	4816342	2	180	0.38	13.4	5.1
NPR468	7	454202	4816342	2	270	0.38	13.4	5.1
NPR468	8	454202	4816342	2	315	0.38	13.4	5.1
VPR47	5	449985	4818958	2	180	0.46	13.4	5.1
NPR315	8	449925	4819579	2	315	0.44	13.3	5.1
NPR263	6	448442	4814359	2	225	0.42	13.2	5.0
NPR263	7	448442	4814359	2	270	0.42	13.2	5.0
NPR263	8	448442	4814359	2	315	0.42	13.2	5.0
VPR31	6	448485	4813898	2	225	0.46	13.2	5.0
VPR31	7	448485	4813898	2	270	0.46	13.2	5.0
VPR31	8	448485	4813898	2	315	0.46	13.2	5.0
VPR42	3	449844	4818927	2	90	0.47	13.2	5.0
NPR174	5	446143	4815818	2	180	0.38	13.1	5.0
PR14	2	446319	4813381	2	45	0.40	13.1	5.0
PR14	3	446319	4813381	2	90	0.40	13.1	5.0
PR14	4	446319	4813381	2	135	0.40	13.1	5.0
VNPR69	1	444993	4809160	2	0	0.35	13.1	5.0
VNPR69	2	444993	4809160	2	45	0.36	13.1	5.0
VNPR69	3	444993	4809160	2	90	0.35	13.1	5.0
VNPR69	4	444993	4809160	2	135	0.35	13.1	5.0
VPR42	2	449844	4818927	2	45	0.47	13.1	5.0
VPR42	4	449844	4818927	2	135	0.47	13.1	5.0
NPR191	6	446416	4812421	2	225	0.46	13.0	4.9
NPR191	7	446416	4812421	2	270	0.46	13.0	4.9
PR39	7	448221	4815247	2	270	0.44	13.0	4.9
PR39	8	448221	4815247	2	315	0.44	13.0	4.9
NPR191	5	446416	4812421	2	180	0.46	12.9	4.9
NPR191	8	446416	4812421	2	315	0.46	12.9	4.9
PR39	1	448221	4815247	2	0	0.44	12.9	4.9
PR39	6	448221	4815247	2	225	0.44	12.9	4.9
NPR129	2	445071	4809291	2	45	0.39	12.8	4.9
NPR129	3	445071	4809291	2	90	0.39	12.8	4.9
NPR431	7	452652	4815005	2	270	0.39	12.8	4.9
NPR431	8	452652	4815005	2	315	0.39	12.8	4.9
VNPR67	1	444952	4810189	2	0	0.40	12.8	4.9
NPR129	1	445071	4809291	2	0	0.39	12.7	4.8
NPR129	4	445071	4809291	2	135	0.38	12.7	4.8
NPR431	1	452652	4815005	2	0	0.39	12.7	4.8
NPR431	6	452652	4815005	2	225	0.39	12.7	4.8
PR37	8	448153	4816022	2	315	0.42	12.7	4.8
NPR166	1	445924	4817452	2	0	0.45	12.6	4.8
NPR167	1	445926	4817415	2	0	0.45	12.6	4.8

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR250	6	448115	4815595	2	225	0.46	12.6	4.8
NPR250	7	448115	4815595	2	270	0.46	12.6	4.8
NPR250	8	448115	4815595	2	315	0.46	12.6	4.8
PR37	6	448153	4816022	2	225	0.42	12.6	4.8
PR37	7	448153	4816022	2	270	0.42	12.6	4.8
VPR15	6	446493	4813192	2	225	0.45	12.6	4.8
VPR15	7	446493	4813192	2	270	0.45	12.6	4.8
VPR15	8	446493	4813192	2	315	0.45	12.6	4.8
VPR16	1	446654	4813472	2	0	0.43	12.6	4.8
NPR250	5	448115	4815595	2	180	0.46	12.5	4.8
NPR265	6	448465	4814070	2	225	0.45	12.5	4.8
NPR265	7	448465	4814070	2	270	0.45	12.5	4.8
NPR265	8	448465	4814070	2	315	0.45	12.5	4.8
VNPR223	1	454475	4815343	2	0	0.37	12.5	4.8
VNPR223	7	454475	4815343	2	270	0.37	12.5	4.8
VNPR223	8	454475	4815343	2	315	0.37	12.5	4.8
PR32	1	447865	4816714	2	0	0.44	12.4	4.7
VNPR223	6	454475	4815343	2	225	0.37	12.4	4.7
NPR267	1	448504	4812739	2	0	0.41	12.3	4.7
NPR267	6	448504	4812739	2	225	0.42	12.3	4.7
PR13	2	446312	4815333	2	45	0.45	12.3	4.7
PR13	3	446312	4815333	2	90	0.45	12.3	4.7
PR13	4	446312	4815333	2	135	0.45	12.3	4.7
PR13	1	446312	4815333	2	0	0.45	12.2	4.6
VNPR80	4	445133	4811215	2	135	0.39	12.2	4.6
NPR338	2	450561	4816114	2	45	0.38	12.1	4.6
NPR338	3	450561	4816114	2	90	0.38	12.1	4.6
NPR338	4	450561	4816114	2	135	0.38	12.1	4.6
PR72	2	452359	4815373	2	45	0.44	12.1	4.6
PR72	3	452359	4815373	2	90	0.44	12.1	4.6
VNPR80	2	445133	4811215	2	45	0.39	12.1	4.6
VNPR80	3	445133	4811215	2	90	0.39	12.1	4.6
VNPR80	5	445133	4811215	2	180	0.39	12.1	4.6
PR72	4	452359	4815373	2	135	0.44	12.0	4.6
NPR267	8	448504	4812739	2	315	0.38	11.9	4.5
NPR285	5	449141	4821227	2	180	0.40	11.9	4.5
NPR285	6	449141	4821227	2	225	0.40	11.9	4.5
NPR285	7	449141	4821227	2	270	0.40	11.9	4.5
NPR267	7	448504	4812739	2	270	0.38	11.8	4.5
NPR285	8	449141	4821227	2	315	0.40	11.8	4.5
NPR192	6	446597	4811449	2	225	0.38	11.7	4.4
NPR192	7	446597	4811449	2	270	0.38	11.7	4.4
NPR339	2	450563	4816092	2	45	0.38	11.7	4.4
NPR339	3	450563	4816092	2	90	0.38	11.7	4.4
NPR339	4	450563	4816092	2	135	0.38	11.7	4.4
PR33	1	447885	4816776	2	0	0.42	11.7	4.4
PR44	6	448600	4813787	2	225	0.42	11.7	4.4
PR44	7	448600	4813787	2	270	0.42	11.7	4.4
PR44	8	448600	4813787	2	315	0.42	11.7	4.4
PR68	5	451823	4817878	2	180	0.42	11.7	4.4
PR68	6	451823	4817878	2	225	0.42	11.7	4.4
PR68	7	451823	4817878	2	270	0.42	11.7	4.4
PR68	8	451823	4817878	2	315	0.42	11.7	4.4
NPR192	4	446597	4811449	2	135	0.38	11.6	4.4
NPR192	5	446597	4811449	2	180	0.38	11.6	4.4

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR179	5	446227	4814592	2	180	0.44	11.5	4.4
VPR60	1	450506	4813975	2	0	0.36	11.5	4.4
NPR338	6	450561	4816114	2	225	0.37	11.4	4.3
NPR338	7	450561	4816114	2	270	0.37	11.4	4.3
VNPR149	7	450572	4814979	2	270	0.36	11.4	4.3
VNPR149	8	450572	4814979	2	315	0.36	11.4	4.3
NPR338	8	450561	4816114	2	315	0.37	11.3	4.3
VNPR149	6	450572	4814979	2	225	0.36	11.3	4.3
VNPR76	2	445081	4809434	2	45	0.40	11.3	4.3
VNPR76	3	445081	4809434	2	90	0.40	11.3	4.3
VNPR76	4	445081	4809434	2	135	0.40	11.3	4.3
VPR15	1	446493	4813192	2	0	0.36	11.3	4.3
NPR176	5	446211	4814599	2	180	0.43	11.2	4.3
PR41	3	448385	4815322	2	90	0.38	11.2	4.3
PR41	4	448385	4815322	2	135	0.39	11.2	4.3
PR41	5	448385	4815322	2	180	0.38	11.2	4.3
VNPR76	1	445081	4809434	2	0	0.40	11.2	4.3
NPR180	1	446230	4814992	2	0	0.40	11.1	4.2
NPR339	6	450563	4816092	2	225	0.37	11.1	4.2
NPR339	7	450563	4816092	2	270	0.37	11.1	4.2
PR41	2	448385	4815322	2	45	0.38	11.1	4.2
VPR2	2	445544	4819933	2	45	0.43	11.1	4.2
VPR2	3	445544	4819933	2	90	0.43	11.1	4.2
VPR2	4	445544	4819933	2	135	0.43	11.1	4.2
NPR339	8	450563	4816092	2	315	0.37	11.0	4.2
NPR428	8	452596	4816249	2	315	0.40	11.0	4.2
VPR2	5	445544	4819933	2	180	0.43	11.0	4.2
VPR27	6	448168	4815717	2	225	0.42	11.0	4.2
VPR27	7	448168	4815717	2	270	0.42	11.0	4.2
VPR58	6	450488	4811947	2	225	0.38	11.0	4.2
VPR58	7	450488	4811947	2	270	0.38	11.0	4.2
NPR187	6	446341	4816200	2	225	0.41	10.9	4.1
NPR187	7	446341	4816200	2	270	0.41	10.9	4.1
NPR187	8	446341	4816200	2	315	0.41	10.9	4.1
VPR27	5	448168	4815717	2	180	0.42	10.9	4.1
VPR27	8	448168	4815717	2	315	0.42	10.9	4.1
VPR58	5	450488	4811947	2	180	0.38	10.9	4.1
VPR58	8	450488	4811947	2	315	0.38	10.9	4.1
NPR162	2	445816	4817765	2	45	0.41	10.8	4.1
NPR162	3	445816	4817765	2	90	0.41	10.8	4.1
NPR162	4	445816	4817765	2	135	0.41	10.8	4.1
VPR61	6	450554	4815629	2	225	0.42	10.8	4.1
VPR61	7	450554	4815629	2	270	0.42	10.8	4.1
VPR61	8	450554	4815629	2	315	0.42	10.8	4.1
NPR162	5	445816	4817765	2	180	0.41	10.7	4.1
NPR203	6	446757	4811584	2	225	0.34	10.7	4.1
NPR139	5	445289	4819595	2	180	0.35	10.6	4.0
NPR203	4	446757	4811584	2	135	0.34	10.6	4.0
NPR203	5	446757	4811584	2	180	0.34	10.6	4.0
NPR203	7	446757	4811584	2	270	0.34	10.6	4.0
NPR337	6	450555	4816002	2	225	0.38	10.6	4.0
NPR337	7	450555	4816002	2	270	0.38	10.6	4.0
PR31	1	447693	4818501	2	0	0.40	10.6	4.0
PR31	8	447693	4818501	2	315	0.40	10.6	4.0
PR35	1	447935	4816765	2	0	0.40	10.6	4.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR75	2	445079	4809594	2	45	0.41	10.6	4.0
VNPR75	3	445079	4809594	2	90	0.41	10.6	4.0
NPR337	8	450555	4816002	2	315	0.38	10.5	4.0
VNPR123	1	448102	4818051	2	0	0.37	10.5	4.0
VNPR75	1	445079	4809594	2	0	0.41	10.5	4.0
VNPR75	4	445079	4809594	2	135	0.41	10.5	4.0
NPR337	4	450555	4816002	2	135	0.38	10.2	3.9
VNPR102	6	446544	4812593	2	225	0.39	10.2	3.9
VNPR102	7	446544	4812593	2	270	0.39	10.2	3.9
NPR337	2	450555	4816002	2	45	0.38	10.1	3.8
NPR337	3	450555	4816002	2	90	0.38	10.1	3.8
VNPR102	8	446544	4812593	2	315	0.39	10.1	3.8
VNPR108	5	447066	4810377	2	180	0.39	10.1	3.8
VNPR122	6	448095	4816544	2	225	0.41	10.1	3.8
VNPR122	7	448095	4816544	2	270	0.41	10.1	3.8
VNPR122	8	448095	4816544	2	315	0.41	10.1	3.8
VNPR67	5	444952	4810189	2	180	0.37	10.1	3.8
VPR52	1	450241	4816011	2	0	0.35	10.1	3.8
NPR175	3	446149	4814339	2	90	0.40	10.0	3.8
NPR193	7	446611	4813233	2	270	0.40	10.0	3.8
NPR224	7	447100	4810072	2	270	0.41	10.0	3.8
VNPR116	6	447512	4820458	2	225	0.38	10.0	3.8
VNPR116	7	447512	4820458	2	270	0.38	10.0	3.8
VNPR120	2	448003	4819312	2	45	0.39	10.0	3.8
VNPR120	3	448003	4819312	2	90	0.39	10.0	3.8
VNPR120	4	448003	4819312	2	135	0.39	10.0	3.8
VNPR120	5	448003	4819312	2	180	0.38	10.0	3.8
VNPR74	2	445056	4809701	2	45	0.41	10.0	3.8
VNPR74	3	445056	4809701	2	90	0.41	10.0	3.8
VNPR74	4	445056	4809701	2	135	0.41	10.0	3.8
NPR167	5	445926	4817415	2	180	0.34	9.9	3.8
NPR175	1	446149	4814339	2	0	0.40	9.9	3.8
NPR175	2	446149	4814339	2	45	0.40	9.9	3.8
NPR175	4	446149	4814339	2	135	0.40	9.9	3.8
NPR193	6	446611	4813233	2	225	0.40	9.9	3.8
NPR193	8	446611	4813233	2	315	0.40	9.9	3.8
NPR224	5	447100	4810072	2	180	0.41	9.9	3.8
NPR224	6	447100	4810072	2	225	0.41	9.9	3.8
NPR224	8	447100	4810072	2	315	0.41	9.9	3.8
NPR256	1	448274	4814915	2	0	0.33	9.9	3.8
NPR330	1	450316	4814708	2	0	0.38	9.9	3.8
VNPR116	8	447512	4820458	2	315	0.38	9.9	3.8
VNPR74	1	445056	4809701	2	0	0.40	9.9	3.8
NPR183	5	446307	4813995	2	180	0.34	9.8	3.7
NPR254	6	448178	4816267	2	225	0.40	9.8	3.7
NPR254	7	448178	4816267	2	270	0.40	9.8	3.7
NPR254	8	448178	4816267	2	315	0.40	9.8	3.7
VNPR150	2	450635	4814817	2	45	0.36	9.8	3.7
VNPR150	3	450635	4814817	2	90	0.36	9.8	3.7
PR18	5	446484	4814052	2	180	0.38	9.7	3.7
PR40	1	448306	4816489	2	0	0.36	9.7	3.7
VNPR103	7	446584	4812355	2	270	0.40	9.7	3.7
VNPR150	1	450635	4814817	2	0	0.36	9.7	3.7
VNPR150	4	450635	4814817	2	135	0.36	9.7	3.7
VPR33	6	448617	4814019	2	225	0.40	9.7	3.7

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR33	7	448617	4814019	2	270	0.40	9.7	3.7
NPR123	1	444967	4809319	2	0	0.36	9.6	3.6
NPR123	2	444967	4809319	2	45	0.36	9.6	3.6
NPR123	3	444967	4809319	2	90	0.36	9.6	3.6
NPR123	4	444967	4809319	2	135	0.36	9.6	3.6
NPR127	2	445032	4809792	2	45	0.40	9.6	3.6
NPR127	3	445032	4809792	2	90	0.40	9.6	3.6
NPR127	4	445032	4809792	2	135	0.40	9.6	3.6
NPR223	6	447061	4810636	2	225	0.39	9.6	3.6
NPR223	7	447061	4810636	2	270	0.39	9.6	3.6
NPR223	8	447061	4810636	2	315	0.39	9.6	3.6
PR45	6	448618	4814472	2	225	0.36	9.6	3.6
PR45	7	448618	4814472	2	270	0.36	9.6	3.6
VNPR103	5	446584	4812355	2	180	0.40	9.6	3.6
VNPR103	6	446584	4812355	2	225	0.40	9.6	3.6
VNPR103	8	446584	4812355	2	315	0.40	9.6	3.6
VNPR109	6	447092	4810267	2	225	0.39	9.6	3.6
VNPR109	7	447092	4810267	2	270	0.39	9.6	3.6
VNPR109	8	447092	4810267	2	315	0.39	9.6	3.6
VNPR71	1	445002	4809910	2	0	0.32	9.6	3.6
VPR33	8	448617	4814019	2	315	0.40	9.6	3.6
NPR113	1	444801	4810142	2	0	0.35	9.5	3.6
NPR113	2	444801	4810142	2	45	0.36	9.5	3.6
NPR113	3	444801	4810142	2	90	0.36	9.5	3.6
NPR113	4	444801	4810142	2	135	0.35	9.5	3.6
NPR127	1	445032	4809792	2	0	0.40	9.5	3.6
NPR223	1	447061	4810636	2	0	0.39	9.5	3.6
NPR225	5	447140	4810031	2	180	0.39	9.5	3.6
NPR225	6	447140	4810031	2	225	0.39	9.5	3.6
NPR225	7	447140	4810031	2	270	0.39	9.5	3.6
NPR225	8	447140	4810031	2	315	0.39	9.5	3.6
NPR275	3	448805	4811757	2	90	0.37	9.5	3.6
NPR275	4	448805	4811757	2	135	0.37	9.5	3.6
NPR275	5	448805	4811757	2	180	0.37	9.5	3.6
NPR328	1	450275	4815091	2	0	0.37	9.5	3.6
PR45	8	448618	4814472	2	315	0.36	9.5	3.6
PR51	1	449705	4820097	2	0	0.35	9.5	3.6
PR51	6	449705	4820097	2	225	0.35	9.5	3.6
PR51	7	449705	4820097	2	270	0.35	9.5	3.6
PR51	8	449705	4820097	2	315	0.35	9.5	3.6
PR71	2	452203	4815739	2	45	0.39	9.5	3.6
PR71	3	452203	4815739	2	90	0.39	9.5	3.6
PR71	4	452203	4815739	2	135	0.39	9.5	3.6
VNPR109	5	447092	4810267	2	180	0.39	9.5	3.6
NPR242	6	447892	4817780	2	225	0.39	9.4	3.6
NPR242	7	447892	4817780	2	270	0.39	9.4	3.6
NPR242	8	447892	4817780	2	315	0.39	9.4	3.6
NPR275	2	448805	4811757	2	45	0.36	9.4	3.6
NPR422	6	452456	4816598	2	225	0.33	9.4	3.6
VPR25	6	447977	4817570	2	225	0.38	9.4	3.6
VPR25	7	447977	4817570	2	270	0.38	9.4	3.6
VPR25	8	447977	4817570	2	315	0.38	9.4	3.6
NPR242	5	447892	4817780	2	180	0.39	9.3	3.5
NPR422	4	452456	4816598	2	135	0.33	9.3	3.5
NPR422	5	452456	4816598	2	180	0.33	9.3	3.5

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR422	7	452456	4816598	2	270	0.33	9.3	3.5
VPR20	6	447549	4820269	2	225	0.39	9.3	3.5
VPR20	7	447549	4820269	2	270	0.39	9.3	3.5
VPR25	1	447977	4817570	2	0	0.38	9.3	3.5
PR6	2	445797	4816599	2	45	0.39	9.2	3.5
PR6	3	445797	4816599	2	90	0.39	9.2	3.5
PR6	4	445797	4816599	2	135	0.39	9.2	3.5
VNPR121	1	448080	4818220	2	0	0.38	9.2	3.5
VNPR71	5	445002	4809910	2	180	0.39	9.2	3.5
VPR20	5	447549	4820269	2	180	0.39	9.2	3.5
VPR20	8	447549	4820269	2	315	0.39	9.2	3.5
NPR173	2	446090	4814258	2	45	0.38	9.1	3.5
NPR173	3	446090	4814258	2	90	0.38	9.1	3.5
PR41	1	448385	4815322	2	0	0.38	9.1	3.5
PR41	6	448385	4815322	2	225	0.37	9.1	3.5
PR41	7	448385	4815322	2	270	0.37	9.1	3.5
PR41	8	448385	4815322	2	315	0.37	9.1	3.5
PR6	1	445797	4816599	2	0	0.39	9.1	3.5
NPR173	1	446090	4814258	2	0	0.38	9.0	3.4
NPR173	4	446090	4814258	2	135	0.38	9.0	3.4
NPR194	6	446621	4811482	2	225	0.34	9.0	3.4
NPR194	7	446621	4811482	2	270	0.34	9.0	3.4
NPR237	1	447701	4819706	2	0	0.34	9.0	3.4
NPR237	2	447701	4819706	2	45	0.34	9.0	3.4
NPR237	3	447701	4819706	2	90	0.34	9.0	3.4
PR46	6	448650	4814486	2	225	0.35	9.0	3.4
PR46	7	448650	4814486	2	270	0.35	9.0	3.4
PR46	8	448650	4814486	2	315	0.35	9.0	3.4
VNPR68	1	444954	4809381	2	0	0.36	9.0	3.4
VNPR68	2	444954	4809381	2	45	0.36	9.0	3.4
VNPR68	3	444954	4809381	2	90	0.36	9.0	3.4
VNPR68	4	444954	4809381	2	135	0.36	9.0	3.4
NPR194	4	446621	4811482	2	135	0.33	8.9	3.4
NPR194	5	446621	4811482	2	180	0.33	8.9	3.4
NPR237	4	447701	4819706	2	135	0.33	8.9	3.4
NPR315	2	449925	4819579	2	45	0.34	8.9	3.4
NPR315	3	449925	4819579	2	90	0.35	8.9	3.4
NPR315	4	449925	4819579	2	135	0.35	8.9	3.4
VPR26	1	447983	4818615	2	0	0.36	8.9	3.4
VNPR222	6	454405	4815762	2	225	0.38	8.7	3.3
VNPR222	7	454405	4815762	2	270	0.38	8.7	3.3
VNPR222	8	454405	4815762	2	315	0.38	8.7	3.3
VNPR222	5	454405	4815762	2	180	0.38	8.6	3.3
VPR61	1	450554	4815629	2	0	0.38	8.6	3.3
VNPR220	6	454372	4815960	2	225	0.37	8.5	3.2
VNPR220	7	454372	4815960	2	270	0.37	8.5	3.2
VPR59	1	450502	4814181	2	0	0.36	8.5	3.2
NPR190	1	446404	4813281	2	0	0.34	8.4	3.2
NPR328	5	450275	4815091	2	180	0.37	8.4	3.2
VNPR220	5	454372	4815960	2	180	0.37	8.4	3.2
VNPR220	8	454372	4815960	2	315	0.37	8.4	3.2
NPR253	1	448162	4817660	2	0	0.36	8.3	3.2
NPR253	2	448162	4817660	2	45	0.36	8.3	3.2
NPR253	3	448162	4817660	2	90	0.37	8.3	3.2
NPR253	4	448162	4817660	2	135	0.36	8.3	3.2

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR433	7	452659	4814988	2	270	0.32	8.3	3.2
NPR433	8	452659	4814988	2	315	0.32	8.3	3.2
VNPR121	5	448080	4818220	2	180	0.35	8.3	3.2
VPR16	6	446654	4813472	2	225	0.37	8.3	3.2
VPR16	7	446654	4813472	2	270	0.37	8.3	3.2
VPR16	8	446654	4813472	2	315	0.37	8.3	3.2
VPR28	2	448260	4816967	2	45	0.37	8.3	3.2
VPR28	3	448260	4816967	2	90	0.37	8.3	3.2
VPR28	4	448260	4816967	2	135	0.37	8.3	3.2
VPR30	2	448411	4815556	2	45	0.36	8.3	3.2
VPR30	3	448411	4815556	2	90	0.36	8.3	3.2
VPR30	4	448411	4815556	2	135	0.36	8.3	3.2
NPR433	1	452659	4814988	2	0	0.32	8.2	3.1
NPR433	6	452659	4814988	2	225	0.32	8.2	3.1
PR38	3	448167	4817274	2	90	0.35	8.2	3.1
PR38	4	448167	4817274	2	135	0.35	8.2	3.1
VPR28	1	448260	4816967	2	0	0.37	8.2	3.1
PR34	5	447911	4818873	2	180	0.34	8.1	3.1
PR38	2	448167	4817274	2	45	0.35	8.1	3.1
PR38	5	448167	4817274	2	180	0.35	8.1	3.1
PR43	5	448512	4813159	2	180	0.36	8.1	3.1
PR43	6	448512	4813159	2	225	0.36	8.1	3.1
PR43	7	448512	4813159	2	270	0.36	8.1	3.1
PR43	8	448512	4813159	2	315	0.36	8.1	3.1
NPR476	5	454393	4816105	2	180	0.36	8.0	3.0
NPR476	6	454393	4816105	2	225	0.36	8.0	3.0
NPR476	7	454393	4816105	2	270	0.36	8.0	3.0
NPR476	8	454393	4816105	2	315	0.36	8.0	3.0
VNPR149	2	450572	4814979	2	45	0.35	8.0	3.0
VNPR149	3	450572	4814979	2	90	0.35	8.0	3.0
VNPR149	4	450572	4814979	2	135	0.35	8.0	3.0
VNPR181	5	452109	4817529	2	180	0.36	8.0	3.0
VNPR181	6	452109	4817529	2	225	0.36	8.0	3.0
VNPR181	7	452109	4817529	2	270	0.36	8.0	3.0
VNPR181	8	452109	4817529	2	315	0.36	8.0	3.0
VPR55	1	450407	4814813	2	0	0.35	8.0	3.0
NPR266	5	448477	4813613	2	180	0.34	7.9	3.0
NPR412	1	452189	4817338	2	0	0.35	7.9	3.0
NPR412	6	452189	4817338	2	225	0.35	7.9	3.0
NPR412	7	452189	4817338	2	270	0.35	7.9	3.0
NPR412	8	452189	4817338	2	315	0.35	7.9	3.0
VNPR123	5	448102	4818051	2	180	0.36	7.9	3.0
VNPR159	6	451204	4814064	2	225	0.36	7.9	3.0
VNPR159	7	451204	4814064	2	270	0.36	7.9	3.0
VNPR159	8	451204	4814064	2	315	0.36	7.9	3.0
VPR26	5	447983	4818615	2	180	0.36	7.9	3.0
VNPR159	5	451204	4814064	2	180	0.36	7.8	3.0
VPR30	6	448411	4815556	2	225	0.36	7.8	3.0
VPR30	7	448411	4815556	2	270	0.36	7.8	3.0
VPR38	5	449547	4820903	2	180	0.35	7.8	3.0
VPR38	6	449547	4820903	2	225	0.35	7.8	3.0
VPR38	7	449547	4820903	2	270	0.35	7.8	3.0
VPR38	8	449547	4820903	2	315	0.35	7.8	3.0
VPR55	5	450407	4814813	2	180	0.34	7.8	3.0
VNPR179	5	452084	4817717	2	180	0.36	7.7	2.9

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR179	6	452084	4817717	2	225	0.36	7.7	2.9
VNPR179	7	452084	4817717	2	270	0.36	7.7	2.9
VNPR179	8	452084	4817717	2	315	0.36	7.7	2.9
VPR30	8	448411	4815556	2	315	0.36	7.7	2.9
NPR278	2	448854	4812387	2	45	0.35	7.6	2.9
NPR278	3	448854	4812387	2	90	0.35	7.6	2.9
NPR278	4	448854	4812387	2	135	0.35	7.6	2.9
PR34	1	447911	4818873	2	0	0.35	7.6	2.9
PR64	6	450200	4816364	2	225	0.35	7.6	2.9
PR64	7	450200	4816364	2	270	0.35	7.6	2.9
PR64	8	450200	4816364	2	315	0.35	7.6	2.9
VNPR66	5	444861	4809973	2	180	0.35	7.6	2.9
NPR278	1	448854	4812387	2	0	0.35	7.5	2.9
NPR432	7	452658	4814986	2	270	0.31	7.5	2.9
NPR432	8	452658	4814986	2	315	0.31	7.5	2.9
PR64	5	450200	4816364	2	180	0.35	7.5	2.9
NPR273	2	448793	4812839	2	45	0.34	7.4	2.8
NPR273	3	448793	4812839	2	90	0.34	7.4	2.8
NPR273	4	448793	4812839	2	135	0.34	7.4	2.8
NPR273	5	448793	4812839	2	180	0.34	7.4	2.8
NPR432	1	452658	4814986	2	0	0.31	7.4	2.8
NPR432	6	452658	4814986	2	225	0.31	7.4	2.8
NPR139	1	445289	4819595	2	0	0.34	7.3	2.8
VNPR147	5	450337	4815350	2	180	0.34	7.3	2.8
VNPR192	2	452461	4814883	2	45	0.29	7.3	2.8
VNPR192	3	452461	4814883	2	90	0.29	7.3	2.8
NPR335	7	450438	4814928	2	270	0.34	7.2	2.7
VNPR192	1	452461	4814883	2	0	0.29	7.2	2.7
VNPR192	4	452461	4814883	2	135	0.29	7.2	2.7
NPR335	5	450438	4814928	2	180	0.34	7.1	2.7
NPR335	6	450438	4814928	2	225	0.34	7.1	2.7
NPR335	8	450438	4814928	2	315	0.34	7.1	2.7
NPR245	1	448050	4817858	2	0	0.34	7.0	2.7
NPR245	2	448050	4817858	2	45	0.34	7.0	2.7
NPR245	3	448050	4817858	2	90	0.34	7.0	2.7
NPR245	4	448050	4817858	2	135	0.34	7.0	2.7
VNPR185	5	452194	4817007	2	180	0.33	6.7	2.5
VNPR185	6	452194	4817007	2	225	0.33	6.7	2.5
VNPR185	7	452194	4817007	2	270	0.33	6.7	2.5
VNPR185	8	452194	4817007	2	315	0.33	6.7	2.5
NPR283	4	449056	4821111	2	135	0.29	6.2	2.4
PR20	7	446559	4811621	2	270	0.27	6.0	2.3
PR20	8	446559	4811621	2	315	0.27	6.0	2.3
PR8	5	445924	4818221	2	180	0.28	6.0	2.3
PR20	1	446559	4811621	2	0	0.27	5.9	2.2
PR20	6	446559	4811621	2	225	0.27	5.9	2.2
PR53	2	449771	4819651	2	45	0.27	5.9	2.2
PR53	3	449771	4819651	2	90	0.27	5.9	2.2
PR53	4	449771	4819651	2	135	0.27	5.9	2.2
NPR151	1	445538	4820277	2	0	0.28	5.7	2.2
VPR46	1	449933	4818242	2	0	0.28	5.7	2.2
NPR201	5	446750	4811613	2	180	0.25	5.0	1.9
NPR201	6	446750	4811613	2	225	0.25	5.0	1.9
NPR201	7	446750	4811613	2	270	0.25	5.0	1.9
NPR222	7	447034	4809421	2	270	0.25	4.9	1.9

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR222	8	447034	4809421	2	315	0.25	4.9	1.9
VNPR155	1	450855	4812792	2	0	0.27	4.9	1.9
NPR222	1	447034	4809421	2	0	0.25	4.8	1.8
NPR222	6	447034	4809421	2	225	0.25	4.8	1.8
PR28	1	447550	4818201	2	0	0.23	4.0	1.5
VNPR59	1	444679	4811296	2	0	0.20	3.4	1.3
VNPR59	2	444679	4811296	2	45	0.20	3.4	1.3
VNPR59	3	444679	4811296	2	90	0.20	3.4	1.3
VNPR59	4	444679	4811296	2	135	0.20	3.3	1.3
PR19	6	446513	4811421	2	225	0.21	3.1	1.2
PR19	7	446513	4811421	2	270	0.21	3.1	1.2
PR19	5	446513	4811421	2	180	0.21	3.0	1.1
PR19	4	446513	4811421	2	135	0.21	2.9	1.1
NPR183	6	446307	4813995	2	225	0.19	2.7	1.0
NPR183	7	446307	4813995	2	270	0.19	2.7	1.0
NPR182	5	446294	4813986	2	180	0.17	2.2	0.8
NPR182	6	446294	4813986	2	225	0.17	2.2	0.8
NPR182	7	446294	4813986	2	270	0.17	2.2	0.8
NPR166	5	445924	4817452	2	180	0.17	2.1	0.8
NPR121	2	444925	4811345	2	45	0.16	1.9	0.7
NPR121	3	444925	4811345	2	90	0.16	1.9	0.7
NPR121	4	444925	4811345	2	135	0.16	1.9	0.7
NPR121	5	444925	4811345	2	180	0.16	1.9	0.7
VPR7	1	445985	4818110	2	0	0.15	1.5	0.6
NPR181	2	446292	4813694	2	45	0.08	0.5	0.2
NPR181	3	446292	4813694	2	90	0.07	0.4	0.2
NPR181	4	446292	4813694	2	135	0.08	0.4	0.2
NPR113	5	444801	4810142	2	180	0.00	0.0	0.0
NPR113	6	444801	4810142	2	225	0.00	0.0	0.0
NPR113	7	444801	4810142	2	270	0.00	0.0	0.0
NPR113	8	444801	4810142	2	315	0.00	0.0	0.0
NPR116	1	444862	4817567	2	0	0.00	0.0	0.0
NPR116	2	444862	4817567	2	45	0.00	0.0	0.0
NPR116	3	444862	4817567	2	90	0.00	0.0	0.0
NPR116	4	444862	4817567	2	135	0.00	0.0	0.0
NPR116	5	444862	4817567	2	180	0.00	0.0	0.0
NPR116	6	444862	4817567	2	225	0.00	0.0	0.0
NPR116	7	444862	4817567	2	270	0.00	0.0	0.0
NPR116	8	444862	4817567	2	315	0.00	0.0	0.0
NPR117	1	444866	4815487	2	0	0.00	0.0	0.0
NPR117	2	444866	4815487	2	45	0.00	0.0	0.0
NPR117	3	444866	4815487	2	90	0.00	0.0	0.0
NPR117	4	444866	4815487	2	135	0.00	0.0	0.0
NPR117	5	444866	4815487	2	180	0.00	0.0	0.0
NPR117	6	444866	4815487	2	225	0.00	0.0	0.0
NPR117	7	444866	4815487	2	270	0.00	0.0	0.0
NPR117	8	444866	4815487	2	315	0.00	0.0	0.0
NPR119	1	444903	4811231	2	0	0.00	0.0	0.0
NPR119	6	444903	4811231	2	225	0.00	0.0	0.0
NPR119	7	444903	4811231	2	270	0.00	0.0	0.0
NPR119	8	444903	4811231	2	315	0.00	0.0	0.0
NPR121	1	444925	4811345	2	0	0.00	0.0	0.0
NPR121	6	444925	4811345	2	225	0.00	0.0	0.0
NPR121	7	444925	4811345	2	270	0.00	0.0	0.0
NPR121	8	444925	4811345	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR123	5	444967	4809319	2	180	0.00	0.0	0.0
NPR123	6	444967	4809319	2	225	0.00	0.0	0.0
NPR123	7	444967	4809319	2	270	0.00	0.0	0.0
NPR123	8	444967	4809319	2	315	0.00	0.0	0.0
NPR127	5	445032	4809792	2	180	0.00	0.0	0.0
NPR127	6	445032	4809792	2	225	0.00	0.0	0.0
NPR127	7	445032	4809792	2	270	0.00	0.0	0.0
NPR127	8	445032	4809792	2	315	0.00	0.0	0.0
NPR129	5	445071	4809291	2	180	0.00	0.0	0.0
NPR129	6	445071	4809291	2	225	0.00	0.0	0.0
NPR129	7	445071	4809291	2	270	0.00	0.0	0.0
NPR129	8	445071	4809291	2	315	0.00	0.0	0.0
NPR136	1	445264	4811128	2	0	0.00	0.0	0.0
NPR136	6	445264	4811128	2	225	0.00	0.0	0.0
NPR136	7	445264	4811128	2	270	0.00	0.0	0.0
NPR136	8	445264	4811128	2	315	0.00	0.0	0.0
NPR137	1	445270	4811108	2	0	0.00	0.0	0.0
NPR137	6	445270	4811108	2	225	0.00	0.0	0.0
NPR137	7	445270	4811108	2	270	0.00	0.0	0.0
NPR137	8	445270	4811108	2	315	0.00	0.0	0.0
NPR138	1	445274	4811026	2	0	0.00	0.0	0.0
NPR138	6	445274	4811026	2	225	0.00	0.0	0.0
NPR138	7	445274	4811026	2	270	0.00	0.0	0.0
NPR138	8	445274	4811026	2	315	0.00	0.0	0.0
NPR139	6	445289	4819595	2	225	0.00	0.0	0.0
NPR139	7	445289	4819595	2	270	0.00	0.0	0.0
NPR139	8	445289	4819595	2	315	0.00	0.0	0.0
NPR141	5	445332	4820631	2	180	0.00	0.0	0.0
NPR141	6	445332	4820631	2	225	0.00	0.0	0.0
NPR141	7	445332	4820631	2	270	0.00	0.0	0.0
NPR141	8	445332	4820631	2	315	0.00	0.0	0.0
NPR143	1	445339	4815611	2	0	0.00	0.0	0.0
NPR143	2	445339	4815611	2	45	0.00	0.0	0.0
NPR143	3	445339	4815611	2	90	0.00	0.0	0.0
NPR143	4	445339	4815611	2	135	0.00	0.0	0.0
NPR143	5	445339	4815611	2	180	0.00	0.0	0.0
NPR143	6	445339	4815611	2	225	0.00	0.0	0.0
NPR143	7	445339	4815611	2	270	0.00	0.0	0.0
NPR143	8	445339	4815611	2	315	0.00	0.0	0.0
NPR146	5	445406	4820631	2	180	0.00	0.0	0.0
NPR146	6	445406	4820631	2	225	0.00	0.0	0.0
NPR146	7	445406	4820631	2	270	0.00	0.0	0.0
NPR146	8	445406	4820631	2	315	0.00	0.0	0.0
NPR149	1	445503	4811497	2	0	0.00	0.0	0.0
NPR149	2	445503	4811497	2	45	0.00	0.0	0.0
NPR149	3	445503	4811497	2	90	0.00	0.0	0.0
NPR149	4	445503	4811497	2	135	0.00	0.0	0.0
NPR149	5	445503	4811497	2	180	0.00	0.0	0.0
NPR149	6	445503	4811497	2	225	0.00	0.0	0.0
NPR149	7	445503	4811497	2	270	0.00	0.0	0.0
NPR149	8	445503	4811497	2	315	0.00	0.0	0.0
NPR151	6	445538	4820277	2	225	0.00	0.0	0.0
NPR151	7	445538	4820277	2	270	0.00	0.0	0.0
NPR151	8	445538	4820277	2	315	0.00	0.0	0.0
NPR152	1	445565	4821061	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR152	6	445565	4821061	2	225	0.00	0.0	0.0
NPR152	7	445565	4821061	2	270	0.00	0.0	0.0
NPR152	8	445565	4821061	2	315	0.00	0.0	0.0
NPR154	6	445692	4819028	2	225	0.00	0.0	0.0
NPR154	7	445692	4819028	2	270	0.00	0.0	0.0
NPR154	8	445692	4819028	2	315	0.00	0.0	0.0
NPR155	5	445714	4819842	2	180	0.00	0.0	0.0
NPR155	6	445714	4819842	2	225	0.00	0.0	0.0
NPR155	7	445714	4819842	2	270	0.00	0.0	0.0
NPR155	8	445714	4819842	2	315	0.00	0.0	0.0
NPR156	1	445766	4821655	2	0	0.00	0.0	0.0
NPR156	2	445766	4821655	2	45	0.00	0.0	0.0
NPR156	3	445766	4821655	2	90	0.00	0.0	0.0
NPR156	4	445766	4821655	2	135	0.00	0.0	0.0
NPR156	5	445766	4821655	2	180	0.00	0.0	0.0
NPR156	6	445766	4821655	2	225	0.00	0.0	0.0
NPR156	7	445766	4821655	2	270	0.00	0.0	0.0
NPR156	8	445766	4821655	2	315	0.00	0.0	0.0
NPR160	6	445791	4818059	2	225	0.00	0.0	0.0
NPR160	7	445791	4818059	2	270	0.00	0.0	0.0
NPR160	8	445791	4818059	2	315	0.00	0.0	0.0
NPR161	5	445799	4819886	2	180	0.00	0.0	0.0
NPR161	6	445799	4819886	2	225	0.00	0.0	0.0
NPR161	7	445799	4819886	2	270	0.00	0.0	0.0
NPR161	8	445799	4819886	2	315	0.00	0.0	0.0
NPR162	1	445816	4817765	2	0	0.00	0.0	0.0
NPR162	6	445816	4817765	2	225	0.00	0.0	0.0
NPR162	7	445816	4817765	2	270	0.00	0.0	0.0
NPR162	8	445816	4817765	2	315	0.00	0.0	0.0
NPR165	1	445923	4811283	2	0	0.00	0.0	0.0
NPR165	2	445923	4811283	2	45	0.00	0.0	0.0
NPR165	3	445923	4811283	2	90	0.00	0.0	0.0
NPR165	4	445923	4811283	2	135	0.00	0.0	0.0
NPR165	5	445923	4811283	2	180	0.00	0.0	0.0
NPR165	6	445923	4811283	2	225	0.00	0.0	0.0
NPR165	7	445923	4811283	2	270	0.00	0.0	0.0
NPR165	8	445923	4811283	2	315	0.00	0.0	0.0
NPR166	6	445924	4817452	2	225	0.00	0.0	0.0
NPR166	7	445924	4817452	2	270	0.00	0.0	0.0
NPR166	8	445924	4817452	2	315	0.00	0.0	0.0
NPR167	6	445926	4817415	2	225	0.00	0.0	0.0
NPR167	7	445926	4817415	2	270	0.00	0.0	0.0
NPR167	8	445926	4817415	2	315	0.00	0.0	0.0
NPR170	1	446013	4816820	2	0	0.00	0.0	0.0
NPR172	5	446062	4816126	2	180	0.00	0.0	0.0
NPR173	5	446090	4814258	2	180	0.00	0.0	0.0
NPR173	6	446090	4814258	2	225	0.00	0.0	0.0
NPR173	7	446090	4814258	2	270	0.00	0.0	0.0
NPR173	8	446090	4814258	2	315	0.00	0.0	0.0
NPR175	5	446149	4814339	2	180	0.00	0.0	0.0
NPR175	6	446149	4814339	2	225	0.00	0.0	0.0
NPR175	7	446149	4814339	2	270	0.00	0.0	0.0
NPR175	8	446149	4814339	2	315	0.00	0.0	0.0
NPR176	6	446211	4814599	2	225	0.00	0.0	0.0
NPR176	7	446211	4814599	2	270	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR176	8	446211	4814599	2	315	0.00	0.0	0.0
NPR179	6	446227	4814592	2	225	0.00	0.0	0.0
NPR179	7	446227	4814592	2	270	0.00	0.0	0.0
NPR179	8	446227	4814592	2	315	0.00	0.0	0.0
NPR180	6	446230	4814992	2	225	0.00	0.0	0.0
NPR180	7	446230	4814992	2	270	0.00	0.0	0.0
NPR180	8	446230	4814992	2	315	0.00	0.0	0.0
NPR181	1	446292	4813694	2	0	0.00	0.0	0.0
NPR182	8	446294	4813986	2	315	0.00	0.0	0.0
NPR183	8	446307	4813995	2	315	0.00	0.0	0.0
NPR184	1	446321	4814570	2	0	0.00	0.0	0.0
NPR184	6	446321	4814570	2	225	0.00	0.0	0.0
NPR184	7	446321	4814570	2	270	0.00	0.0	0.0
NPR184	8	446321	4814570	2	315	0.00	0.0	0.0
NPR187	1	446341	4816200	2	0	0.00	0.0	0.0
NPR188	5	446361	4814325	2	180	0.00	0.0	0.0
NPR188	6	446361	4814325	2	225	0.00	0.0	0.0
NPR188	7	446361	4814325	2	270	0.00	0.0	0.0
NPR188	8	446361	4814325	2	315	0.00	0.0	0.0
NPR192	1	446597	4811449	2	0	0.00	0.0	0.0
NPR192	2	446597	4811449	2	45	0.00	0.0	0.0
NPR192	3	446597	4811449	2	90	0.00	0.0	0.0
NPR192	8	446597	4811449	2	315	0.00	0.0	0.0
NPR194	1	446621	4811482	2	0	0.00	0.0	0.0
NPR194	2	446621	4811482	2	45	0.00	0.0	0.0
NPR194	3	446621	4811482	2	90	0.00	0.0	0.0
NPR194	8	446621	4811482	2	315	0.00	0.0	0.0
NPR195	1	446681	4811491	2	0	0.00	0.0	0.0
NPR195	2	446681	4811491	2	45	0.00	0.0	0.0
NPR195	3	446681	4811491	2	90	0.00	0.0	0.0
NPR195	8	446681	4811491	2	315	0.00	0.0	0.0
NPR196	6	446700	4812925	2	225	0.00	0.0	0.0
NPR196	7	446700	4812925	2	270	0.00	0.0	0.0
NPR196	8	446700	4812925	2	315	0.00	0.0	0.0
NPR197	1	446702	4811492	2	0	0.00	0.0	0.0
NPR197	2	446702	4811492	2	45	0.00	0.0	0.0
NPR197	3	446702	4811492	2	90	0.00	0.0	0.0
NPR197	8	446702	4811492	2	315	0.00	0.0	0.0
NPR198	2	446726	4810463	2	45	0.00	0.0	0.0
NPR198	3	446726	4810463	2	90	0.00	0.0	0.0
NPR198	4	446726	4810463	2	135	0.00	0.0	0.0
NPR199	1	446742	4811496	2	0	0.00	0.0	0.0
NPR199	2	446742	4811496	2	45	0.00	0.0	0.0
NPR199	3	446742	4811496	2	90	0.00	0.0	0.0
NPR199	8	446742	4811496	2	315	0.00	0.0	0.0
NPR200	5	446743	4813748	2	180	0.00	0.0	0.0
NPR200	6	446743	4813748	2	225	0.00	0.0	0.0
NPR200	7	446743	4813748	2	270	0.00	0.0	0.0
NPR200	8	446743	4813748	2	315	0.00	0.0	0.0
NPR201	1	446750	4811613	2	0	0.00	0.0	0.0
NPR201	2	446750	4811613	2	45	0.00	0.0	0.0
NPR201	3	446750	4811613	2	90	0.00	0.0	0.0
NPR201	4	446750	4811613	2	135	0.00	0.0	0.0
NPR201	8	446750	4811613	2	315	0.00	0.0	0.0
NPR202	1	446754	4811638	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR202	2	446754	4811638	2	45	0.00	0.0	0.0
NPR202	3	446754	4811638	2	90	0.00	0.0	0.0
NPR202	4	446754	4811638	2	135	0.00	0.0	0.0
NPR202	5	446754	4811638	2	180	0.00	0.0	0.0
NPR202	6	446754	4811638	2	225	0.00	0.0	0.0
NPR202	7	446754	4811638	2	270	0.00	0.0	0.0
NPR202	8	446754	4811638	2	315	0.00	0.0	0.0
NPR203	1	446757	4811584	2	0	0.00	0.0	0.0
NPR203	2	446757	4811584	2	45	0.00	0.0	0.0
NPR203	3	446757	4811584	2	90	0.00	0.0	0.0
NPR203	8	446757	4811584	2	315	0.00	0.0	0.0
NPR204	1	446758	4811496	2	0	0.00	0.0	0.0
NPR204	2	446758	4811496	2	45	0.00	0.0	0.0
NPR204	3	446758	4811496	2	90	0.00	0.0	0.0
NPR204	4	446758	4811496	2	135	0.00	0.0	0.0
NPR205	1	446760	4811450	2	0	0.00	0.0	0.0
NPR205	2	446760	4811450	2	45	0.00	0.0	0.0
NPR205	3	446760	4811450	2	90	0.00	0.0	0.0
NPR205	4	446760	4811450	2	135	0.00	0.0	0.0
NPR206	1	446761	4811539	2	0	0.00	0.0	0.0
NPR206	2	446761	4811539	2	45	0.00	0.0	0.0
NPR206	3	446761	4811539	2	90	0.00	0.0	0.0
NPR206	8	446761	4811539	2	315	0.00	0.0	0.0
NPR207	1	446771	4810107	2	0	0.00	0.0	0.0
NPR207	2	446771	4810107	2	45	0.00	0.0	0.0
NPR207	3	446771	4810107	2	90	0.00	0.0	0.0
NPR207	4	446771	4810107	2	135	0.00	0.0	0.0
NPR208	1	446771	4811500	2	0	0.00	0.0	0.0
NPR208	2	446771	4811500	2	45	0.00	0.0	0.0
NPR208	3	446771	4811500	2	90	0.00	0.0	0.0
NPR208	4	446771	4811500	2	135	0.00	0.0	0.0
NPR209	1	446771	4811465	2	0	0.00	0.0	0.0
NPR209	2	446771	4811465	2	45	0.00	0.0	0.0
NPR209	3	446771	4811465	2	90	0.00	0.0	0.0
NPR209	4	446771	4811465	2	135	0.00	0.0	0.0
NPR210	1	446779	4821263	2	0	0.00	0.0	0.0
NPR210	2	446779	4821263	2	45	0.00	0.0	0.0
NPR210	3	446779	4821263	2	90	0.00	0.0	0.0
NPR210	4	446779	4821263	2	135	0.00	0.0	0.0
NPR211	1	446780	4821304	2	0	0.00	0.0	0.0
NPR211	2	446780	4821304	2	45	0.00	0.0	0.0
NPR211	3	446780	4821304	2	90	0.00	0.0	0.0
NPR211	4	446780	4821304	2	135	0.00	0.0	0.0
NPR212	1	446803	4811488	2	0	0.00	0.0	0.0
NPR212	2	446803	4811488	2	45	0.00	0.0	0.0
NPR212	3	446803	4811488	2	90	0.00	0.0	0.0
NPR212	4	446803	4811488	2	135	0.00	0.0	0.0
NPR213	1	446815	4811680	2	0	0.00	0.0	0.0
NPR213	2	446815	4811680	2	45	0.00	0.0	0.0
NPR213	3	446815	4811680	2	90	0.00	0.0	0.0
NPR213	4	446815	4811680	2	135	0.00	0.0	0.0
NPR213	5	446815	4811680	2	180	0.00	0.0	0.0
NPR213	6	446815	4811680	2	225	0.00	0.0	0.0
NPR213	7	446815	4811680	2	270	0.00	0.0	0.0
NPR213	8	446815	4811680	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR214	1	446821	4811641	2	0	0.00	0.0	0.0
NPR214	2	446821	4811641	2	45	0.00	0.0	0.0
NPR214	3	446821	4811641	2	90	0.00	0.0	0.0
NPR214	4	446821	4811641	2	135	0.00	0.0	0.0
NPR214	5	446821	4811641	2	180	0.00	0.0	0.0
NPR214	6	446821	4811641	2	225	0.00	0.0	0.0
NPR214	7	446821	4811641	2	270	0.00	0.0	0.0
NPR214	8	446821	4811641	2	315	0.00	0.0	0.0
NPR215	1	446825	4811467	2	0	0.00	0.0	0.0
NPR215	2	446825	4811467	2	45	0.00	0.0	0.0
NPR215	3	446825	4811467	2	90	0.00	0.0	0.0
NPR215	4	446825	4811467	2	135	0.00	0.0	0.0
NPR215	5	446825	4811467	2	180	0.00	0.0	0.0
NPR215	6	446825	4811467	2	225	0.00	0.0	0.0
NPR215	7	446825	4811467	2	270	0.00	0.0	0.0
NPR215	8	446825	4811467	2	315	0.00	0.0	0.0
NPR216	2	446871	4809721	2	45	0.00	0.0	0.0
NPR216	3	446871	4809721	2	90	0.00	0.0	0.0
NPR216	4	446871	4809721	2	135	0.00	0.0	0.0
NPR216	5	446871	4809721	2	180	0.00	0.0	0.0
NPR217	1	446895	4809337	2	0	0.00	0.0	0.0
NPR217	2	446895	4809337	2	45	0.00	0.0	0.0
NPR217	3	446895	4809337	2	90	0.00	0.0	0.0
NPR217	4	446895	4809337	2	135	0.00	0.0	0.0
NPR217	5	446895	4809337	2	180	0.00	0.0	0.0
NPR217	6	446895	4809337	2	225	0.00	0.0	0.0
NPR217	7	446895	4809337	2	270	0.00	0.0	0.0
NPR217	8	446895	4809337	2	315	0.00	0.0	0.0
NPR218	2	446959	4810489	2	45	0.00	0.0	0.0
NPR218	3	446959	4810489	2	90	0.00	0.0	0.0
NPR218	4	446959	4810489	2	135	0.00	0.0	0.0
NPR219	1	446964	4809340	2	0	0.00	0.0	0.0
NPR219	2	446964	4809340	2	45	0.00	0.0	0.0
NPR219	3	446964	4809340	2	90	0.00	0.0	0.0
NPR219	4	446964	4809340	2	135	0.00	0.0	0.0
NPR219	5	446964	4809340	2	180	0.00	0.0	0.0
NPR219	6	446964	4809340	2	225	0.00	0.0	0.0
NPR219	7	446964	4809340	2	270	0.00	0.0	0.0
NPR219	8	446964	4809340	2	315	0.00	0.0	0.0
NPR222	2	447034	4809421	2	45	0.00	0.0	0.0
NPR222	3	447034	4809421	2	90	0.00	0.0	0.0
NPR222	4	447034	4809421	2	135	0.00	0.0	0.0
NPR222	5	447034	4809421	2	180	0.00	0.0	0.0
NPR223	2	447061	4810636	2	45	0.00	0.0	0.0
NPR223	3	447061	4810636	2	90	0.00	0.0	0.0
NPR223	4	447061	4810636	2	135	0.00	0.0	0.0
NPR223	5	447061	4810636	2	180	0.00	0.0	0.0
NPR224	1	447100	4810072	2	0	0.00	0.0	0.0
NPR224	2	447100	4810072	2	45	0.00	0.0	0.0
NPR224	3	447100	4810072	2	90	0.00	0.0	0.0
NPR224	4	447100	4810072	2	135	0.00	0.0	0.0
NPR225	1	447140	4810031	2	0	0.00	0.0	0.0
NPR225	2	447140	4810031	2	45	0.00	0.0	0.0
NPR225	3	447140	4810031	2	90	0.00	0.0	0.0
NPR225	4	447140	4810031	2	135	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR226	2	447213	4809389	2	45	0.00	0.0	0.0
NPR226	3	447213	4809389	2	90	0.00	0.0	0.0
NPR226	4	447213	4809389	2	135	0.00	0.0	0.0
NPR226	5	447213	4809389	2	180	0.00	0.0	0.0
NPR232	1	447504	4821062	2	0	0.00	0.0	0.0
NPR232	6	447504	4821062	2	225	0.00	0.0	0.0
NPR232	7	447504	4821062	2	270	0.00	0.0	0.0
NPR232	8	447504	4821062	2	315	0.00	0.0	0.0
NPR233	1	447506	4821041	2	0	0.00	0.0	0.0
NPR233	6	447506	4821041	2	225	0.00	0.0	0.0
NPR233	7	447506	4821041	2	270	0.00	0.0	0.0
NPR233	8	447506	4821041	2	315	0.00	0.0	0.0
NPR234	1	447565	4811745	2	0	0.00	0.0	0.0
NPR234	2	447565	4811745	2	45	0.00	0.0	0.0
NPR234	3	447565	4811745	2	90	0.00	0.0	0.0
NPR234	4	447565	4811745	2	135	0.00	0.0	0.0
NPR234	5	447565	4811745	2	180	0.00	0.0	0.0
NPR234	6	447565	4811745	2	225	0.00	0.0	0.0
NPR234	7	447565	4811745	2	270	0.00	0.0	0.0
NPR234	8	447565	4811745	2	315	0.00	0.0	0.0
NPR235	1	447570	4811761	2	0	0.00	0.0	0.0
NPR235	2	447570	4811761	2	45	0.00	0.0	0.0
NPR235	3	447570	4811761	2	90	0.00	0.0	0.0
NPR235	4	447570	4811761	2	135	0.00	0.0	0.0
NPR235	5	447570	4811761	2	180	0.00	0.0	0.0
NPR235	6	447570	4811761	2	225	0.00	0.0	0.0
NPR235	7	447570	4811761	2	270	0.00	0.0	0.0
NPR235	8	447570	4811761	2	315	0.00	0.0	0.0
NPR237	5	447701	4819706	2	180	0.00	0.0	0.0
NPR237	6	447701	4819706	2	225	0.00	0.0	0.0
NPR237	7	447701	4819706	2	270	0.00	0.0	0.0
NPR237	8	447701	4819706	2	315	0.00	0.0	0.0
NPR238	5	447722	4820143	2	180	0.00	0.0	0.0
NPR238	6	447722	4820143	2	225	0.00	0.0	0.0
NPR238	7	447722	4820143	2	270	0.00	0.0	0.0
NPR238	8	447722	4820143	2	315	0.00	0.0	0.0
NPR239	1	447726	4819318	2	0	0.00	0.0	0.0
NPR239	2	447726	4819318	2	45	0.00	0.0	0.0
NPR239	3	447726	4819318	2	90	0.00	0.0	0.0
NPR239	4	447726	4819318	2	135	0.00	0.0	0.0
NPR239	5	447726	4819318	2	180	0.00	0.0	0.0
NPR239	6	447726	4819318	2	225	0.00	0.0	0.0
NPR239	7	447726	4819318	2	270	0.00	0.0	0.0
NPR239	8	447726	4819318	2	315	0.00	0.0	0.0
NPR240	5	447751	4819841	2	180	0.00	0.0	0.0
NPR240	6	447751	4819841	2	225	0.00	0.0	0.0
NPR240	7	447751	4819841	2	270	0.00	0.0	0.0
NPR240	8	447751	4819841	2	315	0.00	0.0	0.0
NPR241	1	447794	4811706	2	0	0.00	0.0	0.0
NPR241	2	447794	4811706	2	45	0.00	0.0	0.0
NPR241	3	447794	4811706	2	90	0.00	0.0	0.0
NPR241	4	447794	4811706	2	135	0.00	0.0	0.0
NPR241	5	447794	4811706	2	180	0.00	0.0	0.0
NPR241	6	447794	4811706	2	225	0.00	0.0	0.0
NPR241	7	447794	4811706	2	270	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR241	8	447794	4811706	2	315	0.00	0.0	0.0
NPR242	1	447892	4817780	2	0	0.00	0.0	0.0
NPR242	2	447892	4817780	2	45	0.00	0.0	0.0
NPR242	3	447892	4817780	2	90	0.00	0.0	0.0
NPR242	4	447892	4817780	2	135	0.00	0.0	0.0
NPR243	5	448002	4818473	2	180	0.00	0.0	0.0
NPR243	6	448002	4818473	2	225	0.00	0.0	0.0
NPR243	7	448002	4818473	2	270	0.00	0.0	0.0
NPR243	8	448002	4818473	2	315	0.00	0.0	0.0
NPR244	1	448032	4811861	2	0	0.00	0.0	0.0
NPR244	2	448032	4811861	2	45	0.00	0.0	0.0
NPR244	3	448032	4811861	2	90	0.00	0.0	0.0
NPR244	4	448032	4811861	2	135	0.00	0.0	0.0
NPR244	5	448032	4811861	2	180	0.00	0.0	0.0
NPR244	6	448032	4811861	2	225	0.00	0.0	0.0
NPR244	7	448032	4811861	2	270	0.00	0.0	0.0
NPR244	8	448032	4811861	2	315	0.00	0.0	0.0
NPR245	5	448050	4817858	2	180	0.00	0.0	0.0
NPR245	6	448050	4817858	2	225	0.00	0.0	0.0
NPR245	7	448050	4817858	2	270	0.00	0.0	0.0
NPR245	8	448050	4817858	2	315	0.00	0.0	0.0
NPR246	5	448051	4817946	2	180	0.00	0.0	0.0
NPR246	6	448051	4817946	2	225	0.00	0.0	0.0
NPR246	7	448051	4817946	2	270	0.00	0.0	0.0
NPR246	8	448051	4817946	2	315	0.00	0.0	0.0
NPR247	1	448071	4811932	2	0	0.00	0.0	0.0
NPR247	2	448071	4811932	2	45	0.00	0.0	0.0
NPR247	3	448071	4811932	2	90	0.00	0.0	0.0
NPR247	4	448071	4811932	2	135	0.00	0.0	0.0
NPR247	5	448071	4811932	2	180	0.00	0.0	0.0
NPR247	6	448071	4811932	2	225	0.00	0.0	0.0
NPR247	7	448071	4811932	2	270	0.00	0.0	0.0
NPR247	8	448071	4811932	2	315	0.00	0.0	0.0
NPR248	1	448079	4811595	2	0	0.00	0.0	0.0
NPR248	2	448079	4811595	2	45	0.00	0.0	0.0
NPR248	3	448079	4811595	2	90	0.00	0.0	0.0
NPR248	4	448079	4811595	2	135	0.00	0.0	0.0
NPR248	5	448079	4811595	2	180	0.00	0.0	0.0
NPR248	6	448079	4811595	2	225	0.00	0.0	0.0
NPR248	7	448079	4811595	2	270	0.00	0.0	0.0
NPR248	8	448079	4811595	2	315	0.00	0.0	0.0
NPR249	1	448112	4811603	2	0	0.00	0.0	0.0
NPR249	2	448112	4811603	2	45	0.00	0.0	0.0
NPR249	3	448112	4811603	2	90	0.00	0.0	0.0
NPR249	4	448112	4811603	2	135	0.00	0.0	0.0
NPR249	5	448112	4811603	2	180	0.00	0.0	0.0
NPR249	6	448112	4811603	2	225	0.00	0.0	0.0
NPR249	7	448112	4811603	2	270	0.00	0.0	0.0
NPR249	8	448112	4811603	2	315	0.00	0.0	0.0
NPR251	1	448136	4821461	2	0	0.00	0.0	0.0
NPR251	2	448136	4821461	2	45	0.00	0.0	0.0
NPR251	3	448136	4821461	2	90	0.00	0.0	0.0
NPR251	4	448136	4821461	2	135	0.00	0.0	0.0
NPR251	5	448136	4821461	2	180	0.00	0.0	0.0
NPR251	6	448136	4821461	2	225	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR251	7	448136	4821461	2	270	0.00	0.0	0.0
NPR251	8	448136	4821461	2	315	0.00	0.0	0.0
NPR252	1	448161	4821425	2	0	0.00	0.0	0.0
NPR252	2	448161	4821425	2	45	0.00	0.0	0.0
NPR252	3	448161	4821425	2	90	0.00	0.0	0.0
NPR252	4	448161	4821425	2	135	0.00	0.0	0.0
NPR252	5	448161	4821425	2	180	0.00	0.0	0.0
NPR252	6	448161	4821425	2	225	0.00	0.0	0.0
NPR252	7	448161	4821425	2	270	0.00	0.0	0.0
NPR252	8	448161	4821425	2	315	0.00	0.0	0.0
NPR253	5	448162	4817660	2	180	0.00	0.0	0.0
NPR253	6	448162	4817660	2	225	0.00	0.0	0.0
NPR253	7	448162	4817660	2	270	0.00	0.0	0.0
NPR253	8	448162	4817660	2	315	0.00	0.0	0.0
NPR254	1	448178	4816267	2	0	0.00	0.0	0.0
NPR255	1	448254	4821507	2	0	0.00	0.0	0.0
NPR255	2	448254	4821507	2	45	0.00	0.0	0.0
NPR255	3	448254	4821507	2	90	0.00	0.0	0.0
NPR255	4	448254	4821507	2	135	0.00	0.0	0.0
NPR255	5	448254	4821507	2	180	0.00	0.0	0.0
NPR255	6	448254	4821507	2	225	0.00	0.0	0.0
NPR255	7	448254	4821507	2	270	0.00	0.0	0.0
NPR255	8	448254	4821507	2	315	0.00	0.0	0.0
NPR257	5	448296	4815996	2	180	0.00	0.0	0.0
NPR257	6	448296	4815996	2	225	0.00	0.0	0.0
NPR257	7	448296	4815996	2	270	0.00	0.0	0.0
NPR257	8	448296	4815996	2	315	0.00	0.0	0.0
NPR258	5	448303	4816064	2	180	0.00	0.0	0.0
NPR258	6	448303	4816064	2	225	0.00	0.0	0.0
NPR258	7	448303	4816064	2	270	0.00	0.0	0.0
NPR258	8	448303	4816064	2	315	0.00	0.0	0.0
NPR259	5	448312	4815825	2	180	0.00	0.0	0.0
NPR259	6	448312	4815825	2	225	0.00	0.0	0.0
NPR259	7	448312	4815825	2	270	0.00	0.0	0.0
NPR259	8	448312	4815825	2	315	0.00	0.0	0.0
NPR260	1	448403	4815708	2	0	0.00	0.0	0.0
NPR260	2	448403	4815708	2	45	0.00	0.0	0.0
NPR260	3	448403	4815708	2	90	0.00	0.0	0.0
NPR260	4	448403	4815708	2	135	0.00	0.0	0.0
NPR260	5	448403	4815708	2	180	0.00	0.0	0.0
NPR260	6	448403	4815708	2	225	0.00	0.0	0.0
NPR260	7	448403	4815708	2	270	0.00	0.0	0.0
NPR260	8	448403	4815708	2	315	0.00	0.0	0.0
NPR264	1	448464	4814973	2	0	0.00	0.0	0.0
NPR264	6	448464	4814973	2	225	0.00	0.0	0.0
NPR264	7	448464	4814973	2	270	0.00	0.0	0.0
NPR264	8	448464	4814973	2	315	0.00	0.0	0.0
NPR267	2	448504	4812739	2	45	0.00	0.0	0.0
NPR267	3	448504	4812739	2	90	0.00	0.0	0.0
NPR267	4	448504	4812739	2	135	0.00	0.0	0.0
NPR267	5	448504	4812739	2	180	0.00	0.0	0.0
NPR268	1	448504	4821445	2	0	0.00	0.0	0.0
NPR268	2	448504	4821445	2	45	0.00	0.0	0.0
NPR268	3	448504	4821445	2	90	0.00	0.0	0.0
NPR268	4	448504	4821445	2	135	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR268	5	448504	4821445	2	180	0.00	0.0	0.0
NPR268	6	448504	4821445	2	225	0.00	0.0	0.0
NPR268	7	448504	4821445	2	270	0.00	0.0	0.0
NPR268	8	448504	4821445	2	315	0.00	0.0	0.0
NPR269	1	448644	4811639	2	0	0.00	0.0	0.0
NPR269	6	448644	4811639	2	225	0.00	0.0	0.0
NPR269	7	448644	4811639	2	270	0.00	0.0	0.0
NPR269	8	448644	4811639	2	315	0.00	0.0	0.0
NPR270	1	448654	4811732	2	0	0.00	0.0	0.0
NPR270	6	448654	4811732	2	225	0.00	0.0	0.0
NPR270	7	448654	4811732	2	270	0.00	0.0	0.0
NPR270	8	448654	4811732	2	315	0.00	0.0	0.0
NPR271	1	448726	4813151	2	0	0.00	0.0	0.0
NPR271	2	448726	4813151	2	45	0.00	0.0	0.0
NPR271	3	448726	4813151	2	90	0.00	0.0	0.0
NPR271	4	448726	4813151	2	135	0.00	0.0	0.0
NPR271	5	448726	4813151	2	180	0.00	0.0	0.0
NPR271	6	448726	4813151	2	225	0.00	0.0	0.0
NPR271	7	448726	4813151	2	270	0.00	0.0	0.0
NPR271	8	448726	4813151	2	315	0.00	0.0	0.0
NPR272	1	448729	4813022	2	0	0.00	0.0	0.0
NPR272	2	448729	4813022	2	45	0.00	0.0	0.0
NPR272	3	448729	4813022	2	90	0.00	0.0	0.0
NPR272	4	448729	4813022	2	135	0.00	0.0	0.0
NPR272	5	448729	4813022	2	180	0.00	0.0	0.0
NPR272	6	448729	4813022	2	225	0.00	0.0	0.0
NPR272	7	448729	4813022	2	270	0.00	0.0	0.0
NPR272	8	448729	4813022	2	315	0.00	0.0	0.0
NPR273	1	448793	4812839	2	0	0.00	0.0	0.0
NPR273	6	448793	4812839	2	225	0.00	0.0	0.0
NPR273	7	448793	4812839	2	270	0.00	0.0	0.0
NPR273	8	448793	4812839	2	315	0.00	0.0	0.0
NPR274	1	448801	4812431	2	0	0.00	0.0	0.0
NPR274	2	448801	4812431	2	45	0.00	0.0	0.0
NPR274	3	448801	4812431	2	90	0.00	0.0	0.0
NPR274	4	448801	4812431	2	135	0.00	0.0	0.0
NPR274	5	448801	4812431	2	180	0.00	0.0	0.0
NPR274	6	448801	4812431	2	225	0.00	0.0	0.0
NPR274	7	448801	4812431	2	270	0.00	0.0	0.0
NPR274	8	448801	4812431	2	315	0.00	0.0	0.0
NPR275	1	448805	4811757	2	0	0.00	0.0	0.0
NPR275	6	448805	4811757	2	225	0.00	0.0	0.0
NPR275	7	448805	4811757	2	270	0.00	0.0	0.0
NPR275	8	448805	4811757	2	315	0.00	0.0	0.0
NPR276	1	448827	4811729	2	0	0.00	0.0	0.0
NPR276	6	448827	4811729	2	225	0.00	0.0	0.0
NPR276	7	448827	4811729	2	270	0.00	0.0	0.0
NPR276	8	448827	4811729	2	315	0.00	0.0	0.0
NPR277	5	448851	4810775	2	180	0.00	0.0	0.0
NPR277	6	448851	4810775	2	225	0.00	0.0	0.0
NPR277	7	448851	4810775	2	270	0.00	0.0	0.0
NPR277	8	448851	4810775	2	315	0.00	0.0	0.0
NPR278	5	448854	4812387	2	180	0.00	0.0	0.0
NPR278	6	448854	4812387	2	225	0.00	0.0	0.0
NPR278	7	448854	4812387	2	270	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR278	8	448854	4812387	2	315	0.00	0.0	0.0
NPR279	1	448886	4810400	2	0	0.00	0.0	0.0
NPR279	2	448886	4810400	2	45	0.00	0.0	0.0
NPR279	3	448886	4810400	2	90	0.00	0.0	0.0
NPR279	4	448886	4810400	2	135	0.00	0.0	0.0
NPR279	5	448886	4810400	2	180	0.00	0.0	0.0
NPR279	6	448886	4810400	2	225	0.00	0.0	0.0
NPR279	7	448886	4810400	2	270	0.00	0.0	0.0
NPR279	8	448886	4810400	2	315	0.00	0.0	0.0
NPR283	1	449056	4821111	2	0	0.00	0.0	0.0
NPR283	2	449056	4821111	2	45	0.00	0.0	0.0
NPR283	3	449056	4821111	2	90	0.00	0.0	0.0
NPR285	1	449141	4821227	2	0	0.00	0.0	0.0
NPR285	2	449141	4821227	2	45	0.00	0.0	0.0
NPR285	3	449141	4821227	2	90	0.00	0.0	0.0
NPR285	4	449141	4821227	2	135	0.00	0.0	0.0
NPR286	1	449147	4821371	2	0	0.00	0.0	0.0
NPR286	2	449147	4821371	2	45	0.00	0.0	0.0
NPR286	3	449147	4821371	2	90	0.00	0.0	0.0
NPR286	4	449147	4821371	2	135	0.00	0.0	0.0
NPR301	1	449373	4811920	2	0	0.00	0.0	0.0
NPR301	2	449373	4811920	2	45	0.00	0.0	0.0
NPR301	3	449373	4811920	2	90	0.00	0.0	0.0
NPR301	4	449373	4811920	2	135	0.00	0.0	0.0
NPR301	5	449373	4811920	2	180	0.00	0.0	0.0
NPR301	6	449373	4811920	2	225	0.00	0.0	0.0
NPR301	7	449373	4811920	2	270	0.00	0.0	0.0
NPR301	8	449373	4811920	2	315	0.00	0.0	0.0
NPR311	1	449392	4821176	2	0	0.00	0.0	0.0
NPR311	2	449392	4821176	2	45	0.00	0.0	0.0
NPR311	3	449392	4821176	2	90	0.00	0.0	0.0
NPR311	4	449392	4821176	2	135	0.00	0.0	0.0
NPR314	1	449918	4819237	2	0	0.00	0.0	0.0
NPR315	1	449925	4819579	2	0	0.00	0.0	0.0
NPR318	1	450005	4811883	2	0	0.00	0.0	0.0
NPR318	2	450005	4811883	2	45	0.00	0.0	0.0
NPR318	3	450005	4811883	2	90	0.00	0.0	0.0
NPR318	8	450005	4811883	2	315	0.00	0.0	0.0
NPR319	1	450086	4817495	2	0	0.00	0.0	0.0
NPR323	1	450230	4810100	2	0	0.00	0.0	0.0
NPR323	2	450230	4810100	2	45	0.00	0.0	0.0
NPR323	3	450230	4810100	2	90	0.00	0.0	0.0
NPR323	4	450230	4810100	2	135	0.00	0.0	0.0
NPR323	5	450230	4810100	2	180	0.00	0.0	0.0
NPR323	6	450230	4810100	2	225	0.00	0.0	0.0
NPR323	7	450230	4810100	2	270	0.00	0.0	0.0
NPR323	8	450230	4810100	2	315	0.00	0.0	0.0
NPR326	1	450268	4809636	2	0	0.00	0.0	0.0
NPR326	2	450268	4809636	2	45	0.00	0.0	0.0
NPR326	3	450268	4809636	2	90	0.00	0.0	0.0
NPR326	4	450268	4809636	2	135	0.00	0.0	0.0
NPR326	5	450268	4809636	2	180	0.00	0.0	0.0
NPR326	6	450268	4809636	2	225	0.00	0.0	0.0
NPR326	7	450268	4809636	2	270	0.00	0.0	0.0
NPR326	8	450268	4809636	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR328	2	450275	4815091	2	45	0.00	0.0	0.0
NPR328	3	450275	4815091	2	90	0.00	0.0	0.0
NPR328	4	450275	4815091	2	135	0.00	0.0	0.0
NPR330	2	450316	4814708	2	45	0.00	0.0	0.0
NPR330	3	450316	4814708	2	90	0.00	0.0	0.0
NPR330	4	450316	4814708	2	135	0.00	0.0	0.0
NPR335	1	450438	4814928	2	0	0.00	0.0	0.0
NPR335	2	450438	4814928	2	45	0.00	0.0	0.0
NPR335	3	450438	4814928	2	90	0.00	0.0	0.0
NPR335	4	450438	4814928	2	135	0.00	0.0	0.0
NPR337	1	450555	4816002	2	0	0.00	0.0	0.0
NPR338	1	450561	4816114	2	0	0.00	0.0	0.0
NPR339	1	450563	4816092	2	0	0.00	0.0	0.0
NPR347	1	450998	4818208	2	0	0.00	0.0	0.0
NPR347	2	450998	4818208	2	45	0.00	0.0	0.0
NPR347	3	450998	4818208	2	90	0.00	0.0	0.0
NPR347	4	450998	4818208	2	135	0.00	0.0	0.0
NPR347	5	450998	4818208	2	180	0.00	0.0	0.0
NPR347	6	450998	4818208	2	225	0.00	0.0	0.0
NPR347	7	450998	4818208	2	270	0.00	0.0	0.0
NPR347	8	450998	4818208	2	315	0.00	0.0	0.0
NPR348	1	451224	4820356	2	0	0.00	0.0	0.0
NPR348	2	451224	4820356	2	45	0.00	0.0	0.0
NPR348	3	451224	4820356	2	90	0.00	0.0	0.0
NPR348	4	451224	4820356	2	135	0.00	0.0	0.0
NPR348	5	451224	4820356	2	180	0.00	0.0	0.0
NPR348	6	451224	4820356	2	225	0.00	0.0	0.0
NPR348	7	451224	4820356	2	270	0.00	0.0	0.0
NPR348	8	451224	4820356	2	315	0.00	0.0	0.0
NPR354	1	451511	4816988	2	0	0.00	0.0	0.0
NPR354	2	451511	4816988	2	45	0.00	0.0	0.0
NPR354	3	451511	4816988	2	90	0.00	0.0	0.0
NPR354	4	451511	4816988	2	135	0.00	0.0	0.0
NPR355	1	451530	4816963	2	0	0.00	0.0	0.0
NPR355	2	451530	4816963	2	45	0.00	0.0	0.0
NPR355	3	451530	4816963	2	90	0.00	0.0	0.0
NPR355	4	451530	4816963	2	135	0.00	0.0	0.0
NPR356	1	451584	4820134	2	0	0.00	0.0	0.0
NPR356	2	451584	4820134	2	45	0.00	0.0	0.0
NPR356	3	451584	4820134	2	90	0.00	0.0	0.0
NPR356	4	451584	4820134	2	135	0.00	0.0	0.0
NPR356	5	451584	4820134	2	180	0.00	0.0	0.0
NPR356	6	451584	4820134	2	225	0.00	0.0	0.0
NPR356	7	451584	4820134	2	270	0.00	0.0	0.0
NPR356	8	451584	4820134	2	315	0.00	0.0	0.0
NPR357	1	451608	4820209	2	0	0.00	0.0	0.0
NPR357	2	451608	4820209	2	45	0.00	0.0	0.0
NPR357	3	451608	4820209	2	90	0.00	0.0	0.0
NPR357	4	451608	4820209	2	135	0.00	0.0	0.0
NPR357	5	451608	4820209	2	180	0.00	0.0	0.0
NPR357	6	451608	4820209	2	225	0.00	0.0	0.0
NPR357	7	451608	4820209	2	270	0.00	0.0	0.0
NPR357	8	451608	4820209	2	315	0.00	0.0	0.0
NPR358	1	451636	4820151	2	0	0.00	0.0	0.0
NPR358	2	451636	4820151	2	45	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR358	3	451636	4820151	2	90	0.00	0.0	0.0
NPR358	4	451636	4820151	2	135	0.00	0.0	0.0
NPR358	5	451636	4820151	2	180	0.00	0.0	0.0
NPR358	6	451636	4820151	2	225	0.00	0.0	0.0
NPR358	7	451636	4820151	2	270	0.00	0.0	0.0
NPR358	8	451636	4820151	2	315	0.00	0.0	0.0
NPR361	1	451704	4820252	2	0	0.00	0.0	0.0
NPR361	2	451704	4820252	2	45	0.00	0.0	0.0
NPR361	3	451704	4820252	2	90	0.00	0.0	0.0
NPR361	4	451704	4820252	2	135	0.00	0.0	0.0
NPR361	5	451704	4820252	2	180	0.00	0.0	0.0
NPR361	6	451704	4820252	2	225	0.00	0.0	0.0
NPR361	7	451704	4820252	2	270	0.00	0.0	0.0
NPR361	8	451704	4820252	2	315	0.00	0.0	0.0
NPR362	1	451735	4820234	2	0	0.00	0.0	0.0
NPR362	2	451735	4820234	2	45	0.00	0.0	0.0
NPR362	3	451735	4820234	2	90	0.00	0.0	0.0
NPR362	4	451735	4820234	2	135	0.00	0.0	0.0
NPR362	5	451735	4820234	2	180	0.00	0.0	0.0
NPR362	6	451735	4820234	2	225	0.00	0.0	0.0
NPR362	7	451735	4820234	2	270	0.00	0.0	0.0
NPR362	8	451735	4820234	2	315	0.00	0.0	0.0
NPR365	1	451765	4820231	2	0	0.00	0.0	0.0
NPR365	2	451765	4820231	2	45	0.00	0.0	0.0
NPR365	3	451765	4820231	2	90	0.00	0.0	0.0
NPR365	4	451765	4820231	2	135	0.00	0.0	0.0
NPR365	5	451765	4820231	2	180	0.00	0.0	0.0
NPR365	6	451765	4820231	2	225	0.00	0.0	0.0
NPR365	7	451765	4820231	2	270	0.00	0.0	0.0
NPR365	8	451765	4820231	2	315	0.00	0.0	0.0
NPR366	1	451786	4820222	2	0	0.00	0.0	0.0
NPR366	2	451786	4820222	2	45	0.00	0.0	0.0
NPR366	3	451786	4820222	2	90	0.00	0.0	0.0
NPR366	4	451786	4820222	2	135	0.00	0.0	0.0
NPR366	5	451786	4820222	2	180	0.00	0.0	0.0
NPR366	6	451786	4820222	2	225	0.00	0.0	0.0
NPR366	7	451786	4820222	2	270	0.00	0.0	0.0
NPR366	8	451786	4820222	2	315	0.00	0.0	0.0
NPR368	1	451812	4820175	2	0	0.00	0.0	0.0
NPR368	2	451812	4820175	2	45	0.00	0.0	0.0
NPR368	3	451812	4820175	2	90	0.00	0.0	0.0
NPR368	4	451812	4820175	2	135	0.00	0.0	0.0
NPR368	5	451812	4820175	2	180	0.00	0.0	0.0
NPR368	6	451812	4820175	2	225	0.00	0.0	0.0
NPR368	7	451812	4820175	2	270	0.00	0.0	0.0
NPR368	8	451812	4820175	2	315	0.00	0.0	0.0
NPR369	1	451814	4820152	2	0	0.00	0.0	0.0
NPR369	2	451814	4820152	2	45	0.00	0.0	0.0
NPR369	3	451814	4820152	2	90	0.00	0.0	0.0
NPR369	4	451814	4820152	2	135	0.00	0.0	0.0
NPR369	5	451814	4820152	2	180	0.00	0.0	0.0
NPR369	6	451814	4820152	2	225	0.00	0.0	0.0
NPR369	7	451814	4820152	2	270	0.00	0.0	0.0
NPR369	8	451814	4820152	2	315	0.00	0.0	0.0
NPR370	1	451817	4820125	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR370	2	451817	4820125	2	45	0.00	0.0	0.0
NPR370	3	451817	4820125	2	90	0.00	0.0	0.0
NPR370	4	451817	4820125	2	135	0.00	0.0	0.0
NPR370	5	451817	4820125	2	180	0.00	0.0	0.0
NPR370	6	451817	4820125	2	225	0.00	0.0	0.0
NPR370	7	451817	4820125	2	270	0.00	0.0	0.0
NPR370	8	451817	4820125	2	315	0.00	0.0	0.0
NPR371	1	451822	4820097	2	0	0.00	0.0	0.0
NPR371	2	451822	4820097	2	45	0.00	0.0	0.0
NPR371	3	451822	4820097	2	90	0.00	0.0	0.0
NPR371	4	451822	4820097	2	135	0.00	0.0	0.0
NPR371	5	451822	4820097	2	180	0.00	0.0	0.0
NPR371	6	451822	4820097	2	225	0.00	0.0	0.0
NPR371	7	451822	4820097	2	270	0.00	0.0	0.0
NPR371	8	451822	4820097	2	315	0.00	0.0	0.0
NPR373	1	451832	4819967	2	0	0.00	0.0	0.0
NPR373	2	451832	4819967	2	45	0.00	0.0	0.0
NPR373	3	451832	4819967	2	90	0.00	0.0	0.0
NPR373	4	451832	4819967	2	135	0.00	0.0	0.0
NPR373	5	451832	4819967	2	180	0.00	0.0	0.0
NPR373	6	451832	4819967	2	225	0.00	0.0	0.0
NPR373	7	451832	4819967	2	270	0.00	0.0	0.0
NPR373	8	451832	4819967	2	315	0.00	0.0	0.0
NPR378	1	451852	4820193	2	0	0.00	0.0	0.0
NPR378	2	451852	4820193	2	45	0.00	0.0	0.0
NPR378	3	451852	4820193	2	90	0.00	0.0	0.0
NPR378	4	451852	4820193	2	135	0.00	0.0	0.0
NPR378	5	451852	4820193	2	180	0.00	0.0	0.0
NPR378	6	451852	4820193	2	225	0.00	0.0	0.0
NPR378	7	451852	4820193	2	270	0.00	0.0	0.0
NPR378	8	451852	4820193	2	315	0.00	0.0	0.0
NPR380	1	451871	4820189	2	0	0.00	0.0	0.0
NPR380	2	451871	4820189	2	45	0.00	0.0	0.0
NPR380	3	451871	4820189	2	90	0.00	0.0	0.0
NPR380	4	451871	4820189	2	135	0.00	0.0	0.0
NPR380	5	451871	4820189	2	180	0.00	0.0	0.0
NPR380	6	451871	4820189	2	225	0.00	0.0	0.0
NPR380	7	451871	4820189	2	270	0.00	0.0	0.0
NPR380	8	451871	4820189	2	315	0.00	0.0	0.0
NPR382	1	451880	4818508	2	0	0.00	0.0	0.0
NPR382	2	451880	4818508	2	45	0.00	0.0	0.0
NPR382	3	451880	4818508	2	90	0.00	0.0	0.0
NPR382	4	451880	4818508	2	135	0.00	0.0	0.0
NPR382	5	451880	4818508	2	180	0.00	0.0	0.0
NPR382	6	451880	4818508	2	225	0.00	0.0	0.0
NPR382	7	451880	4818508	2	270	0.00	0.0	0.0
NPR382	8	451880	4818508	2	315	0.00	0.0	0.0
NPR384	1	451889	4820088	2	0	0.00	0.0	0.0
NPR384	2	451889	4820088	2	45	0.00	0.0	0.0
NPR384	3	451889	4820088	2	90	0.00	0.0	0.0
NPR384	4	451889	4820088	2	135	0.00	0.0	0.0
NPR384	5	451889	4820088	2	180	0.00	0.0	0.0
NPR384	6	451889	4820088	2	225	0.00	0.0	0.0
NPR384	7	451889	4820088	2	270	0.00	0.0	0.0
NPR384	8	451889	4820088	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR385	1	451894	4820179	2	0	0.00	0.0	0.0
NPR385	2	451894	4820179	2	45	0.00	0.0	0.0
NPR385	3	451894	4820179	2	90	0.00	0.0	0.0
NPR385	4	451894	4820179	2	135	0.00	0.0	0.0
NPR385	5	451894	4820179	2	180	0.00	0.0	0.0
NPR385	6	451894	4820179	2	225	0.00	0.0	0.0
NPR385	7	451894	4820179	2	270	0.00	0.0	0.0
NPR385	8	451894	4820179	2	315	0.00	0.0	0.0
NPR386	1	451897	4819221	2	0	0.00	0.0	0.0
NPR386	2	451897	4819221	2	45	0.00	0.0	0.0
NPR386	3	451897	4819221	2	90	0.00	0.0	0.0
NPR386	4	451897	4819221	2	135	0.00	0.0	0.0
NPR388	1	451922	4820170	2	0	0.00	0.0	0.0
NPR388	2	451922	4820170	2	45	0.00	0.0	0.0
NPR388	3	451922	4820170	2	90	0.00	0.0	0.0
NPR388	4	451922	4820170	2	135	0.00	0.0	0.0
NPR388	5	451922	4820170	2	180	0.00	0.0	0.0
NPR388	6	451922	4820170	2	225	0.00	0.0	0.0
NPR388	7	451922	4820170	2	270	0.00	0.0	0.0
NPR388	8	451922	4820170	2	315	0.00	0.0	0.0
NPR405	1	452128	4818421	2	0	0.00	0.0	0.0
NPR405	2	452128	4818421	2	45	0.00	0.0	0.0
NPR405	3	452128	4818421	2	90	0.00	0.0	0.0
NPR405	4	452128	4818421	2	135	0.00	0.0	0.0
NPR405	5	452128	4818421	2	180	0.00	0.0	0.0
NPR405	6	452128	4818421	2	225	0.00	0.0	0.0
NPR405	7	452128	4818421	2	270	0.00	0.0	0.0
NPR405	8	452128	4818421	2	315	0.00	0.0	0.0
NPR410	1	452173	4816186	2	0	0.00	0.0	0.0
NPR412	2	452189	4817338	2	45	0.00	0.0	0.0
NPR412	3	452189	4817338	2	90	0.00	0.0	0.0
NPR412	4	452189	4817338	2	135	0.00	0.0	0.0
NPR412	5	452189	4817338	2	180	0.00	0.0	0.0
NPR415	1	452223	4818521	2	0	0.00	0.0	0.0
NPR415	2	452223	4818521	2	45	0.00	0.0	0.0
NPR415	3	452223	4818521	2	90	0.00	0.0	0.0
NPR415	4	452223	4818521	2	135	0.00	0.0	0.0
NPR415	5	452223	4818521	2	180	0.00	0.0	0.0
NPR415	6	452223	4818521	2	225	0.00	0.0	0.0
NPR415	7	452223	4818521	2	270	0.00	0.0	0.0
NPR415	8	452223	4818521	2	315	0.00	0.0	0.0
NPR416	1	452231	4816587	2	0	0.00	0.0	0.0
NPR416	2	452231	4816587	2	45	0.00	0.0	0.0
NPR416	3	452231	4816587	2	90	0.00	0.0	0.0
NPR416	4	452231	4816587	2	135	0.00	0.0	0.0
NPR416	5	452231	4816587	2	180	0.00	0.0	0.0
NPR416	6	452231	4816587	2	225	0.00	0.0	0.0
NPR416	7	452231	4816587	2	270	0.00	0.0	0.0
NPR416	8	452231	4816587	2	315	0.00	0.0	0.0
NPR418	1	452351	4816785	2	0	0.00	0.0	0.0
NPR418	2	452351	4816785	2	45	0.00	0.0	0.0
NPR418	3	452351	4816785	2	90	0.00	0.0	0.0
NPR418	4	452351	4816785	2	135	0.00	0.0	0.0
NPR418	5	452351	4816785	2	180	0.00	0.0	0.0
NPR418	6	452351	4816785	2	225	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR418	7	452351	4816785	2	270	0.00	0.0	0.0
NPR418	8	452351	4816785	2	315	0.00	0.0	0.0
NPR419	1	452362	4814565	2	0	0.00	0.0	0.0
NPR419	2	452362	4814565	2	45	0.00	0.0	0.0
NPR419	3	452362	4814565	2	90	0.00	0.0	0.0
NPR419	4	452362	4814565	2	135	0.00	0.0	0.0
NPR419	5	452362	4814565	2	180	0.00	0.0	0.0
NPR419	6	452362	4814565	2	225	0.00	0.0	0.0
NPR419	7	452362	4814565	2	270	0.00	0.0	0.0
NPR419	8	452362	4814565	2	315	0.00	0.0	0.0
NPR422	1	452456	4816598	2	0	0.00	0.0	0.0
NPR422	2	452456	4816598	2	45	0.00	0.0	0.0
NPR422	3	452456	4816598	2	90	0.00	0.0	0.0
NPR422	8	452456	4816598	2	315	0.00	0.0	0.0
NPR423	5	452468	4815222	2	180	0.00	0.0	0.0
NPR424	1	452471	4814580	2	0	0.00	0.0	0.0
NPR424	2	452471	4814580	2	45	0.00	0.0	0.0
NPR424	3	452471	4814580	2	90	0.00	0.0	0.0
NPR424	4	452471	4814580	2	135	0.00	0.0	0.0
NPR424	5	452471	4814580	2	180	0.00	0.0	0.0
NPR424	6	452471	4814580	2	225	0.00	0.0	0.0
NPR424	7	452471	4814580	2	270	0.00	0.0	0.0
NPR424	8	452471	4814580	2	315	0.00	0.0	0.0
NPR426	1	452512	4815782	2	0	0.00	0.0	0.0
NPR428	1	452596	4816249	2	0	0.00	0.0	0.0
NPR428	2	452596	4816249	2	45	0.00	0.0	0.0
NPR428	3	452596	4816249	2	90	0.00	0.0	0.0
NPR429	1	452630	4814974	2	0	0.00	0.0	0.0
NPR429	2	452630	4814974	2	45	0.00	0.0	0.0
NPR429	3	452630	4814974	2	90	0.00	0.0	0.0
NPR429	4	452630	4814974	2	135	0.00	0.0	0.0
NPR429	5	452630	4814974	2	180	0.00	0.0	0.0
NPR429	6	452630	4814974	2	225	0.00	0.0	0.0
NPR429	7	452630	4814974	2	270	0.00	0.0	0.0
NPR429	8	452630	4814974	2	315	0.00	0.0	0.0
NPR431	2	452652	4815005	2	45	0.00	0.0	0.0
NPR431	3	452652	4815005	2	90	0.00	0.0	0.0
NPR431	4	452652	4815005	2	135	0.00	0.0	0.0
NPR431	5	452652	4815005	2	180	0.00	0.0	0.0
NPR432	2	452658	4814986	2	45	0.00	0.0	0.0
NPR432	3	452658	4814986	2	90	0.00	0.0	0.0
NPR432	4	452658	4814986	2	135	0.00	0.0	0.0
NPR432	5	452658	4814986	2	180	0.00	0.0	0.0
NPR433	2	452659	4814988	2	45	0.00	0.0	0.0
NPR433	3	452659	4814988	2	90	0.00	0.0	0.0
NPR433	4	452659	4814988	2	135	0.00	0.0	0.0
NPR433	5	452659	4814988	2	180	0.00	0.0	0.0
NPR436	1	452720	4814614	2	0	0.00	0.0	0.0
NPR436	2	452720	4814614	2	45	0.00	0.0	0.0
NPR436	3	452720	4814614	2	90	0.00	0.0	0.0
NPR436	4	452720	4814614	2	135	0.00	0.0	0.0
NPR436	5	452720	4814614	2	180	0.00	0.0	0.0
NPR436	6	452720	4814614	2	225	0.00	0.0	0.0
NPR436	7	452720	4814614	2	270	0.00	0.0	0.0
NPR436	8	452720	4814614	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
NPR468	1	454202	4816342	2	0	0.00	0.0	0.0
NPR468	2	454202	4816342	2	45	0.00	0.0	0.0
NPR468	3	454202	4816342	2	90	0.00	0.0	0.0
NPR468	4	454202	4816342	2	135	0.00	0.0	0.0
NPR472	1	454317	4814801	2	0	0.00	0.0	0.0
NPR472	2	454317	4814801	2	45	0.00	0.0	0.0
NPR472	3	454317	4814801	2	90	0.00	0.0	0.0
NPR472	4	454317	4814801	2	135	0.00	0.0	0.0
NPR472	5	454317	4814801	2	180	0.00	0.0	0.0
NPR472	6	454317	4814801	2	225	0.00	0.0	0.0
NPR472	7	454317	4814801	2	270	0.00	0.0	0.0
NPR472	8	454317	4814801	2	315	0.00	0.0	0.0
NPR476	1	454393	4816105	2	0	0.00	0.0	0.0
NPR476	2	454393	4816105	2	45	0.00	0.0	0.0
NPR476	3	454393	4816105	2	90	0.00	0.0	0.0
NPR476	4	454393	4816105	2	135	0.00	0.0	0.0
PR10	5	446046	4817448	2	180	0.00	0.0	0.0
PR10	6	446046	4817448	2	225	0.00	0.0	0.0
PR10	7	446046	4817448	2	270	0.00	0.0	0.0
PR10	8	446046	4817448	2	315	0.00	0.0	0.0
PR11	1	446066	4817753	2	0	0.00	0.0	0.0
PR11	6	446066	4817753	2	225	0.00	0.0	0.0
PR11	7	446066	4817753	2	270	0.00	0.0	0.0
PR11	8	446066	4817753	2	315	0.00	0.0	0.0
PR13	5	446312	4815333	2	180	0.00	0.0	0.0
PR13	6	446312	4815333	2	225	0.00	0.0	0.0
PR13	7	446312	4815333	2	270	0.00	0.0	0.0
PR13	8	446312	4815333	2	315	0.00	0.0	0.0
PR14	1	446319	4813381	2	0	0.00	0.0	0.0
PR16	5	446423	4814463	2	180	0.00	0.0	0.0
PR16	6	446423	4814463	2	225	0.00	0.0	0.0
PR16	7	446423	4814463	2	270	0.00	0.0	0.0
PR16	8	446423	4814463	2	315	0.00	0.0	0.0
PR17	5	446442	4814492	2	180	0.00	0.0	0.0
PR17	6	446442	4814492	2	225	0.00	0.0	0.0
PR17	7	446442	4814492	2	270	0.00	0.0	0.0
PR17	8	446442	4814492	2	315	0.00	0.0	0.0
PR18	6	446484	4814052	2	225	0.00	0.0	0.0
PR18	7	446484	4814052	2	270	0.00	0.0	0.0
PR18	8	446484	4814052	2	315	0.00	0.0	0.0
PR19	1	446513	4811421	2	0	0.00	0.0	0.0
PR19	2	446513	4811421	2	45	0.00	0.0	0.0
PR19	3	446513	4811421	2	90	0.00	0.0	0.0
PR19	8	446513	4811421	2	315	0.00	0.0	0.0
PR20	2	446559	4811621	2	45	0.00	0.0	0.0
PR20	3	446559	4811621	2	90	0.00	0.0	0.0
PR20	4	446559	4811621	2	135	0.00	0.0	0.0
PR20	5	446559	4811621	2	180	0.00	0.0	0.0
PR21	1	446655	4821761	2	0	0.00	0.0	0.0
PR21	2	446655	4821761	2	45	0.00	0.0	0.0
PR21	3	446655	4821761	2	90	0.00	0.0	0.0
PR21	4	446655	4821761	2	135	0.00	0.0	0.0
PR21	5	446655	4821761	2	180	0.00	0.0	0.0
PR21	6	446655	4821761	2	225	0.00	0.0	0.0
PR21	7	446655	4821761	2	270	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR21	8	446655	4821761	2	315	0.00	0.0	0.0
PR22	6	446703	4812580	2	225	0.00	0.0	0.0
PR22	7	446703	4812580	2	270	0.00	0.0	0.0
PR22	8	446703	4812580	2	315	0.00	0.0	0.0
PR23	1	446828	4821122	2	0	0.00	0.0	0.0
PR23	2	446828	4821122	2	45	0.00	0.0	0.0
PR23	3	446828	4821122	2	90	0.00	0.0	0.0
PR23	4	446828	4821122	2	135	0.00	0.0	0.0
PR24	1	446836	4810055	2	0	0.00	0.0	0.0
PR24	2	446836	4810055	2	45	0.00	0.0	0.0
PR24	3	446836	4810055	2	90	0.00	0.0	0.0
PR24	4	446836	4810055	2	135	0.00	0.0	0.0
PR26	1	447075	4811477	2	0	0.00	0.0	0.0
PR26	2	447075	4811477	2	45	0.00	0.0	0.0
PR26	3	447075	4811477	2	90	0.00	0.0	0.0
PR26	4	447075	4811477	2	135	0.00	0.0	0.0
PR26	5	447075	4811477	2	180	0.00	0.0	0.0
PR26	6	447075	4811477	2	225	0.00	0.0	0.0
PR26	7	447075	4811477	2	270	0.00	0.0	0.0
PR26	8	447075	4811477	2	315	0.00	0.0	0.0
PR27	1	447478	4818154	2	0	0.00	0.0	0.0
PR27	2	447478	4818154	2	45	0.00	0.0	0.0
PR27	3	447478	4818154	2	90	0.00	0.0	0.0
PR27	4	447478	4818154	2	135	0.00	0.0	0.0
PR28	2	447550	4818201	2	45	0.00	0.0	0.0
PR28	3	447550	4818201	2	90	0.00	0.0	0.0
PR28	4	447550	4818201	2	135	0.00	0.0	0.0
PR29	1	447593	4811429	2	0	0.00	0.0	0.0
PR29	2	447593	4811429	2	45	0.00	0.0	0.0
PR29	3	447593	4811429	2	90	0.00	0.0	0.0
PR29	4	447593	4811429	2	135	0.00	0.0	0.0
PR29	5	447593	4811429	2	180	0.00	0.0	0.0
PR29	6	447593	4811429	2	225	0.00	0.0	0.0
PR29	7	447593	4811429	2	270	0.00	0.0	0.0
PR29	8	447593	4811429	2	315	0.00	0.0	0.0
PR3	5	445586	4820650	2	180	0.00	0.0	0.0
PR3	6	445586	4820650	2	225	0.00	0.0	0.0
PR3	7	445586	4820650	2	270	0.00	0.0	0.0
PR3	8	445586	4820650	2	315	0.00	0.0	0.0
PR30	1	447692	4819577	2	0	0.00	0.0	0.0
PR30	2	447692	4819577	2	45	0.00	0.0	0.0
PR30	3	447692	4819577	2	90	0.00	0.0	0.0
PR30	4	447692	4819577	2	135	0.00	0.0	0.0
PR30	5	447692	4819577	2	180	0.00	0.0	0.0
PR30	6	447692	4819577	2	225	0.00	0.0	0.0
PR30	7	447692	4819577	2	270	0.00	0.0	0.0
PR30	8	447692	4819577	2	315	0.00	0.0	0.0
PR31	2	447693	4818501	2	45	0.00	0.0	0.0
PR31	3	447693	4818501	2	90	0.00	0.0	0.0
PR34	6	447911	4818873	2	225	0.00	0.0	0.0
PR34	7	447911	4818873	2	270	0.00	0.0	0.0
PR34	8	447911	4818873	2	315	0.00	0.0	0.0
PR36	1	448015	4817322	2	0	0.00	0.0	0.0
PR36	2	448015	4817322	2	45	0.00	0.0	0.0
PR36	3	448015	4817322	2	90	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR36	4	448015	4817322	2	135	0.00	0.0	0.0
PR36	5	448015	4817322	2	180	0.00	0.0	0.0
PR36	6	448015	4817322	2	225	0.00	0.0	0.0
PR36	7	448015	4817322	2	270	0.00	0.0	0.0
PR36	8	448015	4817322	2	315	0.00	0.0	0.0
PR37	5	448153	4816022	2	180	0.00	0.0	0.0
PR38	1	448167	4817274	2	0	0.00	0.0	0.0
PR38	6	448167	4817274	2	225	0.00	0.0	0.0
PR38	7	448167	4817274	2	270	0.00	0.0	0.0
PR38	8	448167	4817274	2	315	0.00	0.0	0.0
PR4	1	445746	4820274	2	0	0.00	0.0	0.0
PR4	6	445746	4820274	2	225	0.00	0.0	0.0
PR4	7	445746	4820274	2	270	0.00	0.0	0.0
PR4	8	445746	4820274	2	315	0.00	0.0	0.0
PR40	6	448306	4816489	2	225	0.00	0.0	0.0
PR40	7	448306	4816489	2	270	0.00	0.0	0.0
PR40	8	448306	4816489	2	315	0.00	0.0	0.0
PR42	1	448480	4821106	2	0	0.00	0.0	0.0
PR42	2	448480	4821106	2	45	0.00	0.0	0.0
PR42	3	448480	4821106	2	90	0.00	0.0	0.0
PR42	4	448480	4821106	2	135	0.00	0.0	0.0
PR42	5	448480	4821106	2	180	0.00	0.0	0.0
PR42	6	448480	4821106	2	225	0.00	0.0	0.0
PR42	7	448480	4821106	2	270	0.00	0.0	0.0
PR42	8	448480	4821106	2	315	0.00	0.0	0.0
PR44	5	448600	4813787	2	180	0.00	0.0	0.0
PR47	5	448678	4813543	2	180	0.00	0.0	0.0
PR48	1	448726	4812252	2	0	0.00	0.0	0.0
PR48	2	448726	4812252	2	45	0.00	0.0	0.0
PR48	3	448726	4812252	2	90	0.00	0.0	0.0
PR48	4	448726	4812252	2	135	0.00	0.0	0.0
PR48	5	448726	4812252	2	180	0.00	0.0	0.0
PR48	6	448726	4812252	2	225	0.00	0.0	0.0
PR48	7	448726	4812252	2	270	0.00	0.0	0.0
PR48	8	448726	4812252	2	315	0.00	0.0	0.0
PR5	6	445755	4819508	2	225	0.00	0.0	0.0
PR5	7	445755	4819508	2	270	0.00	0.0	0.0
PR5	8	445755	4819508	2	315	0.00	0.0	0.0
PR51	2	449705	4820097	2	45	0.00	0.0	0.0
PR51	3	449705	4820097	2	90	0.00	0.0	0.0
PR51	4	449705	4820097	2	135	0.00	0.0	0.0
PR51	5	449705	4820097	2	180	0.00	0.0	0.0
PR52	1	449737	4813367	2	0	0.00	0.0	0.0
PR52	6	449737	4813367	2	225	0.00	0.0	0.0
PR52	7	449737	4813367	2	270	0.00	0.0	0.0
PR52	8	449737	4813367	2	315	0.00	0.0	0.0
PR53	1	449771	4819651	2	0	0.00	0.0	0.0
PR54	1	449835	4819402	2	0	0.00	0.0	0.0
PR55	1	450004	4818106	2	0	0.00	0.0	0.0
PR55	2	450004	4818106	2	45	0.00	0.0	0.0
PR55	3	450004	4818106	2	90	0.00	0.0	0.0
PR55	4	450004	4818106	2	135	0.00	0.0	0.0
PR56	5	450025	4810446	2	180	0.00	0.0	0.0
PR56	6	450025	4810446	2	225	0.00	0.0	0.0
PR56	7	450025	4810446	2	270	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
PR56	8	450025	4810446	2	315	0.00	0.0	0.0
PR57	1	450060	4812047	2	0	0.00	0.0	0.0
PR57	2	450060	4812047	2	45	0.00	0.0	0.0
PR57	3	450060	4812047	2	90	0.00	0.0	0.0
PR57	4	450060	4812047	2	135	0.00	0.0	0.0
PR57	5	450060	4812047	2	180	0.00	0.0	0.0
PR57	6	450060	4812047	2	225	0.00	0.0	0.0
PR57	7	450060	4812047	2	270	0.00	0.0	0.0
PR57	8	450060	4812047	2	315	0.00	0.0	0.0
PR60	1	450135	4818082	2	0	0.00	0.0	0.0
PR60	2	450135	4818082	2	45	0.00	0.0	0.0
PR60	3	450135	4818082	2	90	0.00	0.0	0.0
PR60	4	450135	4818082	2	135	0.00	0.0	0.0
PR66	1	450326	4815610	2	0	0.00	0.0	0.0
PR66	2	450326	4815610	2	45	0.00	0.0	0.0
PR66	3	450326	4815610	2	90	0.00	0.0	0.0
PR66	4	450326	4815610	2	135	0.00	0.0	0.0
PR67	5	450434	4816422	2	180	0.00	0.0	0.0
PR67	6	450434	4816422	2	225	0.00	0.0	0.0
PR67	7	450434	4816422	2	270	0.00	0.0	0.0
PR67	8	450434	4816422	2	315	0.00	0.0	0.0
PR68	1	451823	4817878	2	0	0.00	0.0	0.0
PR68	2	451823	4817878	2	45	0.00	0.0	0.0
PR68	3	451823	4817878	2	90	0.00	0.0	0.0
PR68	4	451823	4817878	2	135	0.00	0.0	0.0
PR69	1	452003	4818344	2	0	0.00	0.0	0.0
PR69	2	452003	4818344	2	45	0.00	0.0	0.0
PR69	3	452003	4818344	2	90	0.00	0.0	0.0
PR69	4	452003	4818344	2	135	0.00	0.0	0.0
PR69	5	452003	4818344	2	180	0.00	0.0	0.0
PR69	6	452003	4818344	2	225	0.00	0.0	0.0
PR69	7	452003	4818344	2	270	0.00	0.0	0.0
PR69	8	452003	4818344	2	315	0.00	0.0	0.0
PR7	6	445851	4819063	2	225	0.00	0.0	0.0
PR7	7	445851	4819063	2	270	0.00	0.0	0.0
PR7	8	445851	4819063	2	315	0.00	0.0	0.0
PR70	1	452028	4819238	2	0	0.00	0.0	0.0
PR70	2	452028	4819238	2	45	0.00	0.0	0.0
PR70	3	452028	4819238	2	90	0.00	0.0	0.0
PR70	4	452028	4819238	2	135	0.00	0.0	0.0
PR71	1	452203	4815739	2	0	0.00	0.0	0.0
PR72	5	452359	4815373	2	180	0.00	0.0	0.0
PR8	6	445924	4818221	2	225	0.00	0.0	0.0
PR8	7	445924	4818221	2	270	0.00	0.0	0.0
PR8	8	445924	4818221	2	315	0.00	0.0	0.0
PR9	5	445940	4818631	2	180	0.00	0.0	0.0
PR9	6	445940	4818631	2	225	0.00	0.0	0.0
PR9	7	445940	4818631	2	270	0.00	0.0	0.0
PR9	8	445940	4818631	2	315	0.00	0.0	0.0
VNPR100	5	445986	4816083	2	180	0.00	0.0	0.0
VNPR104	1	446646	4811464	2	0	0.00	0.0	0.0
VNPR104	2	446646	4811464	2	45	0.00	0.0	0.0
VNPR104	3	446646	4811464	2	90	0.00	0.0	0.0
VNPR104	8	446646	4811464	2	315	0.00	0.0	0.0
VNPR105	1	446702	4811523	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR105	2	446702	4811523	2	45	0.00	0.0	0.0
VNPR105	3	446702	4811523	2	90	0.00	0.0	0.0
VNPR105	8	446702	4811523	2	315	0.00	0.0	0.0
VNPR106	1	446805	4811594	2	0	0.00	0.0	0.0
VNPR106	2	446805	4811594	2	45	0.00	0.0	0.0
VNPR106	3	446805	4811594	2	90	0.00	0.0	0.0
VNPR106	4	446805	4811594	2	135	0.00	0.0	0.0
VNPR106	5	446805	4811594	2	180	0.00	0.0	0.0
VNPR106	6	446805	4811594	2	225	0.00	0.0	0.0
VNPR106	7	446805	4811594	2	270	0.00	0.0	0.0
VNPR106	8	446805	4811594	2	315	0.00	0.0	0.0
VNPR107	2	446907	4809792	2	45	0.00	0.0	0.0
VNPR107	3	446907	4809792	2	90	0.00	0.0	0.0
VNPR107	4	446907	4809792	2	135	0.00	0.0	0.0
VNPR107	5	446907	4809792	2	180	0.00	0.0	0.0
VNPR108	2	447066	4810377	2	45	0.00	0.0	0.0
VNPR108	3	447066	4810377	2	90	0.00	0.0	0.0
VNPR108	4	447066	4810377	2	135	0.00	0.0	0.0
VNPR109	1	447092	4810267	2	0	0.00	0.0	0.0
VNPR109	2	447092	4810267	2	45	0.00	0.0	0.0
VNPR109	3	447092	4810267	2	90	0.00	0.0	0.0
VNPR109	4	447092	4810267	2	135	0.00	0.0	0.0
VNPR112	1	447312	4809683	2	0	0.00	0.0	0.0
VNPR112	2	447312	4809683	2	45	0.00	0.0	0.0
VNPR112	3	447312	4809683	2	90	0.00	0.0	0.0
VNPR112	4	447312	4809683	2	135	0.00	0.0	0.0
VNPR112	5	447312	4809683	2	180	0.00	0.0	0.0
VNPR112	6	447312	4809683	2	225	0.00	0.0	0.0
VNPR112	7	447312	4809683	2	270	0.00	0.0	0.0
VNPR112	8	447312	4809683	2	315	0.00	0.0	0.0
VNPR113	1	447415	4811678	2	0	0.00	0.0	0.0
VNPR113	2	447415	4811678	2	45	0.00	0.0	0.0
VNPR113	3	447415	4811678	2	90	0.00	0.0	0.0
VNPR113	4	447415	4811678	2	135	0.00	0.0	0.0
VNPR113	5	447415	4811678	2	180	0.00	0.0	0.0
VNPR113	6	447415	4811678	2	225	0.00	0.0	0.0
VNPR113	7	447415	4811678	2	270	0.00	0.0	0.0
VNPR113	8	447415	4811678	2	315	0.00	0.0	0.0
VNPR114	1	447437	4821396	2	0	0.00	0.0	0.0
VNPR114	2	447437	4821396	2	45	0.00	0.0	0.0
VNPR114	3	447437	4821396	2	90	0.00	0.0	0.0
VNPR114	4	447437	4821396	2	135	0.00	0.0	0.0
VNPR114	5	447437	4821396	2	180	0.00	0.0	0.0
VNPR114	6	447437	4821396	2	225	0.00	0.0	0.0
VNPR114	7	447437	4821396	2	270	0.00	0.0	0.0
VNPR114	8	447437	4821396	2	315	0.00	0.0	0.0
VNPR115	1	447439	4821203	2	0	0.00	0.0	0.0
VNPR115	2	447439	4821203	2	45	0.00	0.0	0.0
VNPR115	3	447439	4821203	2	90	0.00	0.0	0.0
VNPR115	4	447439	4821203	2	135	0.00	0.0	0.0
VNPR115	5	447439	4821203	2	180	0.00	0.0	0.0
VNPR115	6	447439	4821203	2	225	0.00	0.0	0.0
VNPR115	7	447439	4821203	2	270	0.00	0.0	0.0
VNPR115	8	447439	4821203	2	315	0.00	0.0	0.0
VNPR117	1	447687	4819433	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR117	2	447687	4819433	2	45	0.00	0.0	0.0
VNPR117	3	447687	4819433	2	90	0.00	0.0	0.0
VNPR117	4	447687	4819433	2	135	0.00	0.0	0.0
VNPR117	5	447687	4819433	2	180	0.00	0.0	0.0
VNPR117	6	447687	4819433	2	225	0.00	0.0	0.0
VNPR117	7	447687	4819433	2	270	0.00	0.0	0.0
VNPR117	8	447687	4819433	2	315	0.00	0.0	0.0
VNPR118	1	447812	4811715	2	0	0.00	0.0	0.0
VNPR118	2	447812	4811715	2	45	0.00	0.0	0.0
VNPR118	3	447812	4811715	2	90	0.00	0.0	0.0
VNPR118	4	447812	4811715	2	135	0.00	0.0	0.0
VNPR118	5	447812	4811715	2	180	0.00	0.0	0.0
VNPR118	6	447812	4811715	2	225	0.00	0.0	0.0
VNPR118	7	447812	4811715	2	270	0.00	0.0	0.0
VNPR118	8	447812	4811715	2	315	0.00	0.0	0.0
VNPR119	1	447874	4819668	2	0	0.00	0.0	0.0
VNPR119	2	447874	4819668	2	45	0.00	0.0	0.0
VNPR119	3	447874	4819668	2	90	0.00	0.0	0.0
VNPR119	4	447874	4819668	2	135	0.00	0.0	0.0
VNPR119	5	447874	4819668	2	180	0.00	0.0	0.0
VNPR119	6	447874	4819668	2	225	0.00	0.0	0.0
VNPR119	7	447874	4819668	2	270	0.00	0.0	0.0
VNPR119	8	447874	4819668	2	315	0.00	0.0	0.0
VNPR120	1	448003	4819312	2	0	0.00	0.0	0.0
VNPR120	6	448003	4819312	2	225	0.00	0.0	0.0
VNPR120	7	448003	4819312	2	270	0.00	0.0	0.0
VNPR120	8	448003	4819312	2	315	0.00	0.0	0.0
VNPR121	6	448080	4818220	2	225	0.00	0.0	0.0
VNPR121	7	448080	4818220	2	270	0.00	0.0	0.0
VNPR121	8	448080	4818220	2	315	0.00	0.0	0.0
VNPR122	1	448095	4816544	2	0	0.00	0.0	0.0
VNPR123	6	448102	4818051	2	225	0.00	0.0	0.0
VNPR123	7	448102	4818051	2	270	0.00	0.0	0.0
VNPR123	8	448102	4818051	2	315	0.00	0.0	0.0
VNPR124	1	448175	4821549	2	0	0.00	0.0	0.0
VNPR124	2	448175	4821549	2	45	0.00	0.0	0.0
VNPR124	3	448175	4821549	2	90	0.00	0.0	0.0
VNPR124	4	448175	4821549	2	135	0.00	0.0	0.0
VNPR124	5	448175	4821549	2	180	0.00	0.0	0.0
VNPR124	6	448175	4821549	2	225	0.00	0.0	0.0
VNPR124	7	448175	4821549	2	270	0.00	0.0	0.0
VNPR124	8	448175	4821549	2	315	0.00	0.0	0.0
VNPR125	1	448410	4821468	2	0	0.00	0.0	0.0
VNPR125	2	448410	4821468	2	45	0.00	0.0	0.0
VNPR125	3	448410	4821468	2	90	0.00	0.0	0.0
VNPR125	4	448410	4821468	2	135	0.00	0.0	0.0
VNPR125	5	448410	4821468	2	180	0.00	0.0	0.0
VNPR125	6	448410	4821468	2	225	0.00	0.0	0.0
VNPR125	7	448410	4821468	2	270	0.00	0.0	0.0
VNPR125	8	448410	4821468	2	315	0.00	0.0	0.0
VNPR126	5	448874	4810892	2	180	0.00	0.0	0.0
VNPR126	6	448874	4810892	2	225	0.00	0.0	0.0
VNPR126	7	448874	4810892	2	270	0.00	0.0	0.0
VNPR126	8	448874	4810892	2	315	0.00	0.0	0.0
VNPR127	1	448925	4810233	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR127	2	448925	4810233	2	45	0.00	0.0	0.0
VNPR127	3	448925	4810233	2	90	0.00	0.0	0.0
VNPR127	4	448925	4810233	2	135	0.00	0.0	0.0
VNPR127	5	448925	4810233	2	180	0.00	0.0	0.0
VNPR127	6	448925	4810233	2	225	0.00	0.0	0.0
VNPR127	7	448925	4810233	2	270	0.00	0.0	0.0
VNPR127	8	448925	4810233	2	315	0.00	0.0	0.0
VNPR128	1	449076	4810697	2	0	0.00	0.0	0.0
VNPR128	2	449076	4810697	2	45	0.00	0.0	0.0
VNPR128	3	449076	4810697	2	90	0.00	0.0	0.0
VNPR128	4	449076	4810697	2	135	0.00	0.0	0.0
VNPR128	5	449076	4810697	2	180	0.00	0.0	0.0
VNPR128	6	449076	4810697	2	225	0.00	0.0	0.0
VNPR128	7	449076	4810697	2	270	0.00	0.0	0.0
VNPR128	8	449076	4810697	2	315	0.00	0.0	0.0
VNPR131	1	449157	4810293	2	0	0.00	0.0	0.0
VNPR131	2	449157	4810293	2	45	0.00	0.0	0.0
VNPR131	3	449157	4810293	2	90	0.00	0.0	0.0
VNPR131	4	449157	4810293	2	135	0.00	0.0	0.0
VNPR131	5	449157	4810293	2	180	0.00	0.0	0.0
VNPR131	6	449157	4810293	2	225	0.00	0.0	0.0
VNPR131	7	449157	4810293	2	270	0.00	0.0	0.0
VNPR131	8	449157	4810293	2	315	0.00	0.0	0.0
VNPR135	1	449315	4820995	2	0	0.00	0.0	0.0
VNPR135	2	449315	4820995	2	45	0.00	0.0	0.0
VNPR135	3	449315	4820995	2	90	0.00	0.0	0.0
VNPR135	4	449315	4820995	2	135	0.00	0.0	0.0
VNPR136	1	449686	4811851	2	0	0.00	0.0	0.0
VNPR136	2	449686	4811851	2	45	0.00	0.0	0.0
VNPR136	3	449686	4811851	2	90	0.00	0.0	0.0
VNPR136	4	449686	4811851	2	135	0.00	0.0	0.0
VNPR136	5	449686	4811851	2	180	0.00	0.0	0.0
VNPR136	6	449686	4811851	2	225	0.00	0.0	0.0
VNPR136	7	449686	4811851	2	270	0.00	0.0	0.0
VNPR136	8	449686	4811851	2	315	0.00	0.0	0.0
VNPR138	1	449808	4811873	2	0	0.00	0.0	0.0
VNPR138	2	449808	4811873	2	45	0.00	0.0	0.0
VNPR138	3	449808	4811873	2	90	0.00	0.0	0.0
VNPR138	4	449808	4811873	2	135	0.00	0.0	0.0
VNPR138	5	449808	4811873	2	180	0.00	0.0	0.0
VNPR138	6	449808	4811873	2	225	0.00	0.0	0.0
VNPR138	7	449808	4811873	2	270	0.00	0.0	0.0
VNPR138	8	449808	4811873	2	315	0.00	0.0	0.0
VNPR139	1	449973	4819121	2	0	0.00	0.0	0.0
VNPR140	1	450002	4810262	2	0	0.00	0.0	0.0
VNPR140	2	450002	4810262	2	45	0.00	0.0	0.0
VNPR140	3	450002	4810262	2	90	0.00	0.0	0.0
VNPR140	4	450002	4810262	2	135	0.00	0.0	0.0
VNPR140	5	450002	4810262	2	180	0.00	0.0	0.0
VNPR140	6	450002	4810262	2	225	0.00	0.0	0.0
VNPR140	7	450002	4810262	2	270	0.00	0.0	0.0
VNPR140	8	450002	4810262	2	315	0.00	0.0	0.0
VNPR141	1	450025	4810024	2	0	0.00	0.0	0.0
VNPR141	2	450025	4810024	2	45	0.00	0.0	0.0
VNPR141	3	450025	4810024	2	90	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR141	4	450025	4810024	2	135	0.00	0.0	0.0
VNPR141	5	450025	4810024	2	180	0.00	0.0	0.0
VNPR141	6	450025	4810024	2	225	0.00	0.0	0.0
VNPR141	7	450025	4810024	2	270	0.00	0.0	0.0
VNPR141	8	450025	4810024	2	315	0.00	0.0	0.0
VNPR142	2	450105	4818279	2	45	0.00	0.0	0.0
VNPR142	3	450105	4818279	2	90	0.00	0.0	0.0
VNPR142	4	450105	4818279	2	135	0.00	0.0	0.0
VNPR143	1	450183	4810412	2	0	0.00	0.0	0.0
VNPR143	2	450183	4810412	2	45	0.00	0.0	0.0
VNPR143	3	450183	4810412	2	90	0.00	0.0	0.0
VNPR143	4	450183	4810412	2	135	0.00	0.0	0.0
VNPR143	5	450183	4810412	2	180	0.00	0.0	0.0
VNPR143	6	450183	4810412	2	225	0.00	0.0	0.0
VNPR143	7	450183	4810412	2	270	0.00	0.0	0.0
VNPR143	8	450183	4810412	2	315	0.00	0.0	0.0
VNPR144	1	450227	4817529	2	0	0.00	0.0	0.0
VNPR147	2	450337	4815350	2	45	0.00	0.0	0.0
VNPR147	3	450337	4815350	2	90	0.00	0.0	0.0
VNPR147	4	450337	4815350	2	135	0.00	0.0	0.0
VNPR149	5	450572	4814979	2	180	0.00	0.0	0.0
VNPR150	5	450635	4814817	2	180	0.00	0.0	0.0
VNPR150	6	450635	4814817	2	225	0.00	0.0	0.0
VNPR150	7	450635	4814817	2	270	0.00	0.0	0.0
VNPR150	8	450635	4814817	2	315	0.00	0.0	0.0
VNPR151	1	450697	4814218	2	0	0.00	0.0	0.0
VNPR151	2	450697	4814218	2	45	0.00	0.0	0.0
VNPR151	3	450697	4814218	2	90	0.00	0.0	0.0
VNPR151	4	450697	4814218	2	135	0.00	0.0	0.0
VNPR152	2	450749	4813593	2	45	0.00	0.0	0.0
VNPR152	3	450749	4813593	2	90	0.00	0.0	0.0
VNPR152	4	450749	4813593	2	135	0.00	0.0	0.0
VNPR153	1	450752	4811976	2	0	0.00	0.0	0.0
VNPR153	2	450752	4811976	2	45	0.00	0.0	0.0
VNPR153	3	450752	4811976	2	90	0.00	0.0	0.0
VNPR153	4	450752	4811976	2	135	0.00	0.0	0.0
VNPR153	5	450752	4811976	2	180	0.00	0.0	0.0
VNPR153	6	450752	4811976	2	225	0.00	0.0	0.0
VNPR153	7	450752	4811976	2	270	0.00	0.0	0.0
VNPR153	8	450752	4811976	2	315	0.00	0.0	0.0
VNPR154	1	450811	4813189	2	0	0.00	0.0	0.0
VNPR154	2	450811	4813189	2	45	0.00	0.0	0.0
VNPR154	3	450811	4813189	2	90	0.00	0.0	0.0
VNPR154	4	450811	4813189	2	135	0.00	0.0	0.0
VNPR155	2	450855	4812792	2	45	0.00	0.0	0.0
VNPR155	3	450855	4812792	2	90	0.00	0.0	0.0
VNPR155	4	450855	4812792	2	135	0.00	0.0	0.0
VNPR156	1	450932	4812174	2	0	0.00	0.0	0.0
VNPR156	2	450932	4812174	2	45	0.00	0.0	0.0
VNPR156	3	450932	4812174	2	90	0.00	0.0	0.0
VNPR156	4	450932	4812174	2	135	0.00	0.0	0.0
VNPR156	5	450932	4812174	2	180	0.00	0.0	0.0
VNPR156	6	450932	4812174	2	225	0.00	0.0	0.0
VNPR156	7	450932	4812174	2	270	0.00	0.0	0.0
VNPR156	8	450932	4812174	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR157	1	451096	4812034	2	0	0.00	0.0	0.0
VNPR157	2	451096	4812034	2	45	0.00	0.0	0.0
VNPR157	3	451096	4812034	2	90	0.00	0.0	0.0
VNPR157	4	451096	4812034	2	135	0.00	0.0	0.0
VNPR157	5	451096	4812034	2	180	0.00	0.0	0.0
VNPR157	6	451096	4812034	2	225	0.00	0.0	0.0
VNPR157	7	451096	4812034	2	270	0.00	0.0	0.0
VNPR157	8	451096	4812034	2	315	0.00	0.0	0.0
VNPR159	1	451204	4814064	2	0	0.00	0.0	0.0
VNPR159	2	451204	4814064	2	45	0.00	0.0	0.0
VNPR159	3	451204	4814064	2	90	0.00	0.0	0.0
VNPR159	4	451204	4814064	2	135	0.00	0.0	0.0
VNPR160	1	451321	4820312	2	0	0.00	0.0	0.0
VNPR160	2	451321	4820312	2	45	0.00	0.0	0.0
VNPR160	3	451321	4820312	2	90	0.00	0.0	0.0
VNPR160	4	451321	4820312	2	135	0.00	0.0	0.0
VNPR160	5	451321	4820312	2	180	0.00	0.0	0.0
VNPR160	6	451321	4820312	2	225	0.00	0.0	0.0
VNPR160	7	451321	4820312	2	270	0.00	0.0	0.0
VNPR160	8	451321	4820312	2	315	0.00	0.0	0.0
VNPR163	1	451513	4814299	2	0	0.00	0.0	0.0
VNPR163	2	451513	4814299	2	45	0.00	0.0	0.0
VNPR163	3	451513	4814299	2	90	0.00	0.0	0.0
VNPR163	4	451513	4814299	2	135	0.00	0.0	0.0
VNPR163	5	451513	4814299	2	180	0.00	0.0	0.0
VNPR163	6	451513	4814299	2	225	0.00	0.0	0.0
VNPR163	7	451513	4814299	2	270	0.00	0.0	0.0
VNPR163	8	451513	4814299	2	315	0.00	0.0	0.0
VNPR170	1	451815	4820121	2	0	0.00	0.0	0.0
VNPR170	2	451815	4820121	2	45	0.00	0.0	0.0
VNPR170	3	451815	4820121	2	90	0.00	0.0	0.0
VNPR170	4	451815	4820121	2	135	0.00	0.0	0.0
VNPR170	5	451815	4820121	2	180	0.00	0.0	0.0
VNPR170	6	451815	4820121	2	225	0.00	0.0	0.0
VNPR170	7	451815	4820121	2	270	0.00	0.0	0.0
VNPR170	8	451815	4820121	2	315	0.00	0.0	0.0
VNPR171	1	451827	4820049	2	0	0.00	0.0	0.0
VNPR171	2	451827	4820049	2	45	0.00	0.0	0.0
VNPR171	3	451827	4820049	2	90	0.00	0.0	0.0
VNPR171	4	451827	4820049	2	135	0.00	0.0	0.0
VNPR171	5	451827	4820049	2	180	0.00	0.0	0.0
VNPR171	6	451827	4820049	2	225	0.00	0.0	0.0
VNPR171	7	451827	4820049	2	270	0.00	0.0	0.0
VNPR171	8	451827	4820049	2	315	0.00	0.0	0.0
VNPR172	1	451847	4819418	2	0	0.00	0.0	0.0
VNPR172	2	451847	4819418	2	45	0.00	0.0	0.0
VNPR172	3	451847	4819418	2	90	0.00	0.0	0.0
VNPR172	4	451847	4819418	2	135	0.00	0.0	0.0
VNPR179	1	452084	4817717	2	0	0.00	0.0	0.0
VNPR179	2	452084	4817717	2	45	0.00	0.0	0.0
VNPR179	3	452084	4817717	2	90	0.00	0.0	0.0
VNPR179	4	452084	4817717	2	135	0.00	0.0	0.0
VNPR181	1	452109	4817529	2	0	0.00	0.0	0.0
VNPR181	2	452109	4817529	2	45	0.00	0.0	0.0
VNPR181	3	452109	4817529	2	90	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR181	4	452109	4817529	2	135	0.00	0.0	0.0
VNPR185	1	452194	4817007	2	0	0.00	0.0	0.0
VNPR185	2	452194	4817007	2	45	0.00	0.0	0.0
VNPR185	3	452194	4817007	2	90	0.00	0.0	0.0
VNPR185	4	452194	4817007	2	135	0.00	0.0	0.0
VNPR188	1	452245	4816476	2	0	0.00	0.0	0.0
VNPR188	2	452245	4816476	2	45	0.00	0.0	0.0
VNPR188	3	452245	4816476	2	90	0.00	0.0	0.0
VNPR188	4	452245	4816476	2	135	0.00	0.0	0.0
VNPR188	5	452245	4816476	2	180	0.00	0.0	0.0
VNPR188	6	452245	4816476	2	225	0.00	0.0	0.0
VNPR188	7	452245	4816476	2	270	0.00	0.0	0.0
VNPR188	8	452245	4816476	2	315	0.00	0.0	0.0
VNPR192	5	452461	4814883	2	180	0.00	0.0	0.0
VNPR192	6	452461	4814883	2	225	0.00	0.0	0.0
VNPR192	7	452461	4814883	2	270	0.00	0.0	0.0
VNPR192	8	452461	4814883	2	315	0.00	0.0	0.0
VNPR193	1	452546	4814790	2	0	0.00	0.0	0.0
VNPR193	2	452546	4814790	2	45	0.00	0.0	0.0
VNPR193	3	452546	4814790	2	90	0.00	0.0	0.0
VNPR193	4	452546	4814790	2	135	0.00	0.0	0.0
VNPR193	5	452546	4814790	2	180	0.00	0.0	0.0
VNPR193	6	452546	4814790	2	225	0.00	0.0	0.0
VNPR193	7	452546	4814790	2	270	0.00	0.0	0.0
VNPR193	8	452546	4814790	2	315	0.00	0.0	0.0
VNPR196	1	452733	4814475	2	0	0.00	0.0	0.0
VNPR196	2	452733	4814475	2	45	0.00	0.0	0.0
VNPR196	3	452733	4814475	2	90	0.00	0.0	0.0
VNPR196	4	452733	4814475	2	135	0.00	0.0	0.0
VNPR196	5	452733	4814475	2	180	0.00	0.0	0.0
VNPR196	6	452733	4814475	2	225	0.00	0.0	0.0
VNPR196	7	452733	4814475	2	270	0.00	0.0	0.0
VNPR196	8	452733	4814475	2	315	0.00	0.0	0.0
VNPR213	1	454003	4816562	2	0	0.00	0.0	0.0
VNPR213	2	454003	4816562	2	45	0.00	0.0	0.0
VNPR213	3	454003	4816562	2	90	0.00	0.0	0.0
VNPR213	4	454003	4816562	2	135	0.00	0.0	0.0
VNPR213	5	454003	4816562	2	180	0.00	0.0	0.0
VNPR213	6	454003	4816562	2	225	0.00	0.0	0.0
VNPR213	7	454003	4816562	2	270	0.00	0.0	0.0
VNPR213	8	454003	4816562	2	315	0.00	0.0	0.0
VNPR220	1	454372	4815960	2	0	0.00	0.0	0.0
VNPR220	2	454372	4815960	2	45	0.00	0.0	0.0
VNPR220	3	454372	4815960	2	90	0.00	0.0	0.0
VNPR220	4	454372	4815960	2	135	0.00	0.0	0.0
VNPR222	1	454405	4815762	2	0	0.00	0.0	0.0
VNPR222	2	454405	4815762	2	45	0.00	0.0	0.0
VNPR222	3	454405	4815762	2	90	0.00	0.0	0.0
VNPR222	4	454405	4815762	2	135	0.00	0.0	0.0
VNPR223	2	454475	4815343	2	45	0.00	0.0	0.0
VNPR223	3	454475	4815343	2	90	0.00	0.0	0.0
VNPR223	4	454475	4815343	2	135	0.00	0.0	0.0
VNPR223	5	454475	4815343	2	180	0.00	0.0	0.0
VNPR52	1	444497	4817555	2	0	0.00	0.0	0.0
VNPR52	2	444497	4817555	2	45	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR52	3	444497	4817555	2	90	0.00	0.0	0.0
VNPR52	4	444497	4817555	2	135	0.00	0.0	0.0
VNPR52	5	444497	4817555	2	180	0.00	0.0	0.0
VNPR52	6	444497	4817555	2	225	0.00	0.0	0.0
VNPR52	7	444497	4817555	2	270	0.00	0.0	0.0
VNPR52	8	444497	4817555	2	315	0.00	0.0	0.0
VNPR59	5	444679	4811296	2	180	0.00	0.0	0.0
VNPR59	6	444679	4811296	2	225	0.00	0.0	0.0
VNPR59	7	444679	4811296	2	270	0.00	0.0	0.0
VNPR59	8	444679	4811296	2	315	0.00	0.0	0.0
VNPR60	1	444696	4811184	2	0	0.00	0.0	0.0
VNPR60	2	444696	4811184	2	45	0.00	0.0	0.0
VNPR60	3	444696	4811184	2	90	0.00	0.0	0.0
VNPR60	4	444696	4811184	2	135	0.00	0.0	0.0
VNPR60	5	444696	4811184	2	180	0.00	0.0	0.0
VNPR60	6	444696	4811184	2	225	0.00	0.0	0.0
VNPR60	7	444696	4811184	2	270	0.00	0.0	0.0
VNPR60	8	444696	4811184	2	315	0.00	0.0	0.0
VNPR63	1	444803	4817561	2	0	0.00	0.0	0.0
VNPR63	2	444803	4817561	2	45	0.00	0.0	0.0
VNPR63	3	444803	4817561	2	90	0.00	0.0	0.0
VNPR63	4	444803	4817561	2	135	0.00	0.0	0.0
VNPR63	5	444803	4817561	2	180	0.00	0.0	0.0
VNPR63	6	444803	4817561	2	225	0.00	0.0	0.0
VNPR63	7	444803	4817561	2	270	0.00	0.0	0.0
VNPR63	8	444803	4817561	2	315	0.00	0.0	0.0
VNPR66	6	444861	4809973	2	225	0.00	0.0	0.0
VNPR66	7	444861	4809973	2	270	0.00	0.0	0.0
VNPR66	8	444861	4809973	2	315	0.00	0.0	0.0
VNPR67	6	444952	4810189	2	225	0.00	0.0	0.0
VNPR67	7	444952	4810189	2	270	0.00	0.0	0.0
VNPR67	8	444952	4810189	2	315	0.00	0.0	0.0
VNPR68	5	444954	4809381	2	180	0.00	0.0	0.0
VNPR68	6	444954	4809381	2	225	0.00	0.0	0.0
VNPR68	7	444954	4809381	2	270	0.00	0.0	0.0
VNPR68	8	444954	4809381	2	315	0.00	0.0	0.0
VNPR69	5	444993	4809160	2	180	0.00	0.0	0.0
VNPR69	6	444993	4809160	2	225	0.00	0.0	0.0
VNPR69	7	444993	4809160	2	270	0.00	0.0	0.0
VNPR69	8	444993	4809160	2	315	0.00	0.0	0.0
VNPR71	6	445002	4809910	2	225	0.00	0.0	0.0
VNPR71	7	445002	4809910	2	270	0.00	0.0	0.0
VNPR71	8	445002	4809910	2	315	0.00	0.0	0.0
VNPR73	1	445056	4813406	2	0	0.00	0.0	0.0
VNPR73	6	445056	4813406	2	225	0.00	0.0	0.0
VNPR73	7	445056	4813406	2	270	0.00	0.0	0.0
VNPR73	8	445056	4813406	2	315	0.00	0.0	0.0
VNPR74	5	445056	4809701	2	180	0.00	0.0	0.0
VNPR74	6	445056	4809701	2	225	0.00	0.0	0.0
VNPR74	7	445056	4809701	2	270	0.00	0.0	0.0
VNPR74	8	445056	4809701	2	315	0.00	0.0	0.0
VNPR75	5	445079	4809594	2	180	0.00	0.0	0.0
VNPR75	6	445079	4809594	2	225	0.00	0.0	0.0
VNPR75	7	445079	4809594	2	270	0.00	0.0	0.0
VNPR75	8	445079	4809594	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR76	5	445081	4809434	2	180	0.00	0.0	0.0
VNPR76	6	445081	4809434	2	225	0.00	0.0	0.0
VNPR76	7	445081	4809434	2	270	0.00	0.0	0.0
VNPR76	8	445081	4809434	2	315	0.00	0.0	0.0
VNPR77	1	445114	4821440	2	0	0.00	0.0	0.0
VNPR77	6	445114	4821440	2	225	0.00	0.0	0.0
VNPR77	7	445114	4821440	2	270	0.00	0.0	0.0
VNPR77	8	445114	4821440	2	315	0.00	0.0	0.0
VNPR78	1	445116	4811384	2	0	0.00	0.0	0.0
VNPR78	2	445116	4811384	2	45	0.00	0.0	0.0
VNPR78	3	445116	4811384	2	90	0.00	0.0	0.0
VNPR78	4	445116	4811384	2	135	0.00	0.0	0.0
VNPR78	5	445116	4811384	2	180	0.00	0.0	0.0
VNPR78	6	445116	4811384	2	225	0.00	0.0	0.0
VNPR78	7	445116	4811384	2	270	0.00	0.0	0.0
VNPR78	8	445116	4811384	2	315	0.00	0.0	0.0
VNPR80	1	445133	4811215	2	0	0.00	0.0	0.0
VNPR80	6	445133	4811215	2	225	0.00	0.0	0.0
VNPR80	7	445133	4811215	2	270	0.00	0.0	0.0
VNPR80	8	445133	4811215	2	315	0.00	0.0	0.0
VNPR83	1	445337	4811255	2	0	0.00	0.0	0.0
VNPR83	2	445337	4811255	2	45	0.00	0.0	0.0
VNPR83	3	445337	4811255	2	90	0.00	0.0	0.0
VNPR83	4	445337	4811255	2	135	0.00	0.0	0.0
VNPR83	5	445337	4811255	2	180	0.00	0.0	0.0
VNPR83	6	445337	4811255	2	225	0.00	0.0	0.0
VNPR83	7	445337	4811255	2	270	0.00	0.0	0.0
VNPR83	8	445337	4811255	2	315	0.00	0.0	0.0
VNPR85	1	445368	4821289	2	0	0.00	0.0	0.0
VNPR85	6	445368	4821289	2	225	0.00	0.0	0.0
VNPR85	7	445368	4821289	2	270	0.00	0.0	0.0
VNPR85	8	445368	4821289	2	315	0.00	0.0	0.0
VNPR87	1	445633	4821918	2	0	0.00	0.0	0.0
VNPR87	2	445633	4821918	2	45	0.00	0.0	0.0
VNPR87	3	445633	4821918	2	90	0.00	0.0	0.0
VNPR87	4	445633	4821918	2	135	0.00	0.0	0.0
VNPR87	5	445633	4821918	2	180	0.00	0.0	0.0
VNPR87	6	445633	4821918	2	225	0.00	0.0	0.0
VNPR87	7	445633	4821918	2	270	0.00	0.0	0.0
VNPR87	8	445633	4821918	2	315	0.00	0.0	0.0
VNPR90	6	445721	4818650	2	225	0.00	0.0	0.0
VNPR90	7	445721	4818650	2	270	0.00	0.0	0.0
VNPR90	8	445721	4818650	2	315	0.00	0.0	0.0
VNPR91	1	445777	4815423	2	0	0.00	0.0	0.0
VNPR91	2	445777	4815423	2	45	0.00	0.0	0.0
VNPR91	3	445777	4815423	2	90	0.00	0.0	0.0
VNPR91	4	445777	4815423	2	135	0.00	0.0	0.0
VNPR91	5	445777	4815423	2	180	0.00	0.0	0.0
VNPR91	6	445777	4815423	2	225	0.00	0.0	0.0
VNPR91	7	445777	4815423	2	270	0.00	0.0	0.0
VNPR91	8	445777	4815423	2	315	0.00	0.0	0.0
VNPR98	1	445824	4811474	2	0	0.00	0.0	0.0
VNPR98	2	445824	4811474	2	45	0.00	0.0	0.0
VNPR98	3	445824	4811474	2	90	0.00	0.0	0.0
VNPR98	4	445824	4811474	2	135	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VNPR98	5	445824	4811474	2	180	0.00	0.0	0.0
VNPR98	6	445824	4811474	2	225	0.00	0.0	0.0
VNPR98	7	445824	4811474	2	270	0.00	0.0	0.0
VNPR98	8	445824	4811474	2	315	0.00	0.0	0.0
VNPR99	1	445934	4809260	2	0	0.00	0.0	0.0
VNPR99	2	445934	4809260	2	45	0.00	0.0	0.0
VNPR99	3	445934	4809260	2	90	0.00	0.0	0.0
VNPR99	4	445934	4809260	2	135	0.00	0.0	0.0
VNPR99	5	445934	4809260	2	180	0.00	0.0	0.0
VNPR99	6	445934	4809260	2	225	0.00	0.0	0.0
VNPR99	7	445934	4809260	2	270	0.00	0.0	0.0
VNPR99	8	445934	4809260	2	315	0.00	0.0	0.0
VPR12	1	446320	4821414	2	0	0.00	0.0	0.0
VPR12	2	446320	4821414	2	45	0.00	0.0	0.0
VPR12	3	446320	4821414	2	90	0.00	0.0	0.0
VPR12	4	446320	4821414	2	135	0.00	0.0	0.0
VPR12	5	446320	4821414	2	180	0.00	0.0	0.0
VPR12	6	446320	4821414	2	225	0.00	0.0	0.0
VPR12	7	446320	4821414	2	270	0.00	0.0	0.0
VPR12	8	446320	4821414	2	315	0.00	0.0	0.0
VPR14	6	446456	4814868	2	225	0.00	0.0	0.0
VPR14	7	446456	4814868	2	270	0.00	0.0	0.0
VPR14	8	446456	4814868	2	315	0.00	0.0	0.0
VPR17	6	446753	4812799	2	225	0.00	0.0	0.0
VPR17	7	446753	4812799	2	270	0.00	0.0	0.0
VPR17	8	446753	4812799	2	315	0.00	0.0	0.0
VPR18	1	446794	4815809	2	0	0.00	0.0	0.0
VPR18	2	446794	4815809	2	45	0.00	0.0	0.0
VPR18	3	446794	4815809	2	90	0.00	0.0	0.0
VPR18	4	446794	4815809	2	135	0.00	0.0	0.0
VPR18	5	446794	4815809	2	180	0.00	0.0	0.0
VPR18	6	446794	4815809	2	225	0.00	0.0	0.0
VPR18	7	446794	4815809	2	270	0.00	0.0	0.0
VPR18	8	446794	4815809	2	315	0.00	0.0	0.0
VPR19	1	446882	4811599	2	0	0.00	0.0	0.0
VPR19	2	446882	4811599	2	45	0.00	0.0	0.0
VPR19	3	446882	4811599	2	90	0.00	0.0	0.0
VPR19	4	446882	4811599	2	135	0.00	0.0	0.0
VPR19	5	446882	4811599	2	180	0.00	0.0	0.0
VPR19	6	446882	4811599	2	225	0.00	0.0	0.0
VPR19	7	446882	4811599	2	270	0.00	0.0	0.0
VPR19	8	446882	4811599	2	315	0.00	0.0	0.0
VPR2	1	445544	4819933	2	0	0.00	0.0	0.0
VPR2	6	445544	4819933	2	225	0.00	0.0	0.0
VPR2	7	445544	4819933	2	270	0.00	0.0	0.0
VPR2	8	445544	4819933	2	315	0.00	0.0	0.0
VPR21	1	447625	4821569	2	0	0.00	0.0	0.0
VPR21	2	447625	4821569	2	45	0.00	0.0	0.0
VPR21	3	447625	4821569	2	90	0.00	0.0	0.0
VPR21	4	447625	4821569	2	135	0.00	0.0	0.0
VPR21	5	447625	4821569	2	180	0.00	0.0	0.0
VPR21	6	447625	4821569	2	225	0.00	0.0	0.0
VPR21	7	447625	4821569	2	270	0.00	0.0	0.0
VPR21	8	447625	4821569	2	315	0.00	0.0	0.0
VPR22	6	447752	4820457	2	225	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR22	7	447752	4820457	2	270	0.00	0.0	0.0
VPR22	8	447752	4820457	2	315	0.00	0.0	0.0
VPR23	5	447779	4820012	2	180	0.00	0.0	0.0
VPR23	6	447779	4820012	2	225	0.00	0.0	0.0
VPR23	7	447779	4820012	2	270	0.00	0.0	0.0
VPR23	8	447779	4820012	2	315	0.00	0.0	0.0
VPR24	1	447786	4818783	2	0	0.00	0.0	0.0
VPR24	2	447786	4818783	2	45	0.00	0.0	0.0
VPR24	3	447786	4818783	2	90	0.00	0.0	0.0
VPR24	4	447786	4818783	2	135	0.00	0.0	0.0
VPR24	5	447786	4818783	2	180	0.00	0.0	0.0
VPR24	6	447786	4818783	2	225	0.00	0.0	0.0
VPR24	7	447786	4818783	2	270	0.00	0.0	0.0
VPR24	8	447786	4818783	2	315	0.00	0.0	0.0
VPR25	2	447977	4817570	2	45	0.00	0.0	0.0
VPR25	3	447977	4817570	2	90	0.00	0.0	0.0
VPR25	4	447977	4817570	2	135	0.00	0.0	0.0
VPR25	5	447977	4817570	2	180	0.00	0.0	0.0
VPR26	6	447983	4818615	2	225	0.00	0.0	0.0
VPR26	7	447983	4818615	2	270	0.00	0.0	0.0
VPR26	8	447983	4818615	2	315	0.00	0.0	0.0
VPR28	5	448260	4816967	2	180	0.00	0.0	0.0
VPR28	6	448260	4816967	2	225	0.00	0.0	0.0
VPR28	7	448260	4816967	2	270	0.00	0.0	0.0
VPR28	8	448260	4816967	2	315	0.00	0.0	0.0
VPR29	5	448363	4815931	2	180	0.00	0.0	0.0
VPR29	6	448363	4815931	2	225	0.00	0.0	0.0
VPR29	7	448363	4815931	2	270	0.00	0.0	0.0
VPR29	8	448363	4815931	2	315	0.00	0.0	0.0
VPR3	1	445563	4821260	2	0	0.00	0.0	0.0
VPR3	6	445563	4821260	2	225	0.00	0.0	0.0
VPR3	7	445563	4821260	2	270	0.00	0.0	0.0
VPR3	8	445563	4821260	2	315	0.00	0.0	0.0
VPR30	1	448411	4815556	2	0	0.00	0.0	0.0
VPR32	5	448573	4814768	2	180	0.00	0.0	0.0
VPR32	6	448573	4814768	2	225	0.00	0.0	0.0
VPR32	7	448573	4814768	2	270	0.00	0.0	0.0
VPR32	8	448573	4814768	2	315	0.00	0.0	0.0
VPR34	1	448621	4812674	2	0	0.00	0.0	0.0
VPR34	2	448621	4812674	2	45	0.00	0.0	0.0
VPR34	3	448621	4812674	2	90	0.00	0.0	0.0
VPR34	4	448621	4812674	2	135	0.00	0.0	0.0
VPR34	5	448621	4812674	2	180	0.00	0.0	0.0
VPR34	6	448621	4812674	2	225	0.00	0.0	0.0
VPR34	7	448621	4812674	2	270	0.00	0.0	0.0
VPR34	8	448621	4812674	2	315	0.00	0.0	0.0
VPR35	1	448926	4811913	2	0	0.00	0.0	0.0
VPR35	2	448926	4811913	2	45	0.00	0.0	0.0
VPR35	3	448926	4811913	2	90	0.00	0.0	0.0
VPR35	4	448926	4811913	2	135	0.00	0.0	0.0
VPR35	5	448926	4811913	2	180	0.00	0.0	0.0
VPR35	6	448926	4811913	2	225	0.00	0.0	0.0
VPR35	7	448926	4811913	2	270	0.00	0.0	0.0
VPR35	8	448926	4811913	2	315	0.00	0.0	0.0
VPR36	1	448937	4811737	2	0	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR36	2	448937	4811737	2	45	0.00	0.0	0.0
VPR36	3	448937	4811737	2	90	0.00	0.0	0.0
VPR36	4	448937	4811737	2	135	0.00	0.0	0.0
VPR36	5	448937	4811737	2	180	0.00	0.0	0.0
VPR36	6	448937	4811737	2	225	0.00	0.0	0.0
VPR36	7	448937	4811737	2	270	0.00	0.0	0.0
VPR36	8	448937	4811737	2	315	0.00	0.0	0.0
VPR37	1	449459	4811814	2	0	0.00	0.0	0.0
VPR37	2	449459	4811814	2	45	0.00	0.0	0.0
VPR37	3	449459	4811814	2	90	0.00	0.0	0.0
VPR37	4	449459	4811814	2	135	0.00	0.0	0.0
VPR37	5	449459	4811814	2	180	0.00	0.0	0.0
VPR37	6	449459	4811814	2	225	0.00	0.0	0.0
VPR37	7	449459	4811814	2	270	0.00	0.0	0.0
VPR37	8	449459	4811814	2	315	0.00	0.0	0.0
VPR38	1	449547	4820903	2	0	0.00	0.0	0.0
VPR38	2	449547	4820903	2	45	0.00	0.0	0.0
VPR38	3	449547	4820903	2	90	0.00	0.0	0.0
VPR38	4	449547	4820903	2	135	0.00	0.0	0.0
VPR39	1	449595	4811840	2	0	0.00	0.0	0.0
VPR39	2	449595	4811840	2	45	0.00	0.0	0.0
VPR39	3	449595	4811840	2	90	0.00	0.0	0.0
VPR39	4	449595	4811840	2	135	0.00	0.0	0.0
VPR39	5	449595	4811840	2	180	0.00	0.0	0.0
VPR39	6	449595	4811840	2	225	0.00	0.0	0.0
VPR39	7	449595	4811840	2	270	0.00	0.0	0.0
VPR39	8	449595	4811840	2	315	0.00	0.0	0.0
VPR4	1	445636	4811465	2	0	0.00	0.0	0.0
VPR4	2	445636	4811465	2	45	0.00	0.0	0.0
VPR4	3	445636	4811465	2	90	0.00	0.0	0.0
VPR4	4	445636	4811465	2	135	0.00	0.0	0.0
VPR4	5	445636	4811465	2	180	0.00	0.0	0.0
VPR4	6	445636	4811465	2	225	0.00	0.0	0.0
VPR4	7	445636	4811465	2	270	0.00	0.0	0.0
VPR4	8	445636	4811465	2	315	0.00	0.0	0.0
VPR40	1	449716	4811998	2	0	0.00	0.0	0.0
VPR40	2	449716	4811998	2	45	0.00	0.0	0.0
VPR40	3	449716	4811998	2	90	0.00	0.0	0.0
VPR40	4	449716	4811998	2	135	0.00	0.0	0.0
VPR40	5	449716	4811998	2	180	0.00	0.0	0.0
VPR40	6	449716	4811998	2	225	0.00	0.0	0.0
VPR40	7	449716	4811998	2	270	0.00	0.0	0.0
VPR40	8	449716	4811998	2	315	0.00	0.0	0.0
VPR41	1	449716	4819883	2	0	0.00	0.0	0.0
VPR41	2	449716	4819883	2	45	0.00	0.0	0.0
VPR41	3	449716	4819883	2	90	0.00	0.0	0.0
VPR41	4	449716	4819883	2	135	0.00	0.0	0.0
VPR41	5	449716	4819883	2	180	0.00	0.0	0.0
VPR41	6	449716	4819883	2	225	0.00	0.0	0.0
VPR41	7	449716	4819883	2	270	0.00	0.0	0.0
VPR41	8	449716	4819883	2	315	0.00	0.0	0.0
VPR45	5	449908	4810807	2	180	0.00	0.0	0.0
VPR45	6	449908	4810807	2	225	0.00	0.0	0.0
VPR45	7	449908	4810807	2	270	0.00	0.0	0.0
VPR45	8	449908	4810807	2	315	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR46	2	449933	4818242	2	45	0.00	0.0	0.0
VPR46	3	449933	4818242	2	90	0.00	0.0	0.0
VPR46	4	449933	4818242	2	135	0.00	0.0	0.0
VPR48	5	450150	4810874	2	180	0.00	0.0	0.0
VPR48	6	450150	4810874	2	225	0.00	0.0	0.0
VPR48	7	450150	4810874	2	270	0.00	0.0	0.0
VPR48	8	450150	4810874	2	315	0.00	0.0	0.0
VPR49	1	450152	4811906	2	0	0.00	0.0	0.0
VPR49	2	450152	4811906	2	45	0.00	0.0	0.0
VPR49	3	450152	4811906	2	90	0.00	0.0	0.0
VPR49	8	450152	4811906	2	315	0.00	0.0	0.0
VPR5	6	445647	4819246	2	225	0.00	0.0	0.0
VPR5	7	445647	4819246	2	270	0.00	0.0	0.0
VPR5	8	445647	4819246	2	315	0.00	0.0	0.0
VPR50	5	450189	4810631	2	180	0.00	0.0	0.0
VPR50	6	450189	4810631	2	225	0.00	0.0	0.0
VPR50	7	450189	4810631	2	270	0.00	0.0	0.0
VPR50	8	450189	4810631	2	315	0.00	0.0	0.0
VPR52	2	450241	4816011	2	45	0.00	0.0	0.0
VPR52	3	450241	4816011	2	90	0.00	0.0	0.0
VPR52	4	450241	4816011	2	135	0.00	0.0	0.0
VPR53	1	450284	4815804	2	0	0.00	0.0	0.0
VPR53	2	450284	4815804	2	45	0.00	0.0	0.0
VPR53	3	450284	4815804	2	90	0.00	0.0	0.0
VPR53	4	450284	4815804	2	135	0.00	0.0	0.0
VPR54	5	450358	4816752	2	180	0.00	0.0	0.0
VPR55	2	450407	4814813	2	45	0.00	0.0	0.0
VPR55	3	450407	4814813	2	90	0.00	0.0	0.0
VPR55	4	450407	4814813	2	135	0.00	0.0	0.0
VPR56	1	450432	4812112	2	0	0.00	0.0	0.0
VPR56	2	450432	4812112	2	45	0.00	0.0	0.0
VPR56	3	450432	4812112	2	90	0.00	0.0	0.0
VPR56	4	450432	4812112	2	135	0.00	0.0	0.0
VPR57	1	450477	4814391	2	0	0.00	0.0	0.0
VPR57	2	450477	4814391	2	45	0.00	0.0	0.0
VPR57	3	450477	4814391	2	90	0.00	0.0	0.0
VPR58	1	450488	4811947	2	0	0.00	0.0	0.0
VPR58	2	450488	4811947	2	45	0.00	0.0	0.0
VPR58	3	450488	4811947	2	90	0.00	0.0	0.0
VPR58	4	450488	4811947	2	135	0.00	0.0	0.0
VPR59	2	450502	4814181	2	45	0.00	0.0	0.0
VPR59	3	450502	4814181	2	90	0.00	0.0	0.0
VPR59	4	450502	4814181	2	135	0.00	0.0	0.0
VPR6	5	445934	4818536	2	180	0.00	0.0	0.0
VPR6	6	445934	4818536	2	225	0.00	0.0	0.0
VPR6	7	445934	4818536	2	270	0.00	0.0	0.0
VPR6	8	445934	4818536	2	315	0.00	0.0	0.0
VPR60	2	450506	4813975	2	45	0.00	0.0	0.0
VPR60	3	450506	4813975	2	90	0.00	0.0	0.0
VPR60	4	450506	4813975	2	135	0.00	0.0	0.0
VPR62	1	450646	4812152	2	0	0.00	0.0	0.0
VPR62	2	450646	4812152	2	45	0.00	0.0	0.0
VPR62	3	450646	4812152	2	90	0.00	0.0	0.0
VPR62	4	450646	4812152	2	135	0.00	0.0	0.0
VPR62	5	450646	4812152	2	180	0.00	0.0	0.0

Table 5. Shadow Flicker Impact Summary

Receptor	Window	Easting	Northing	Ht (m)	Degrees from North	Max Hours / Day	Total Hours / Year	Corrected Total Hours/Year ¹
VPR62	6	450646	4812152	2	225	0.00	0.0	0.0
VPR62	7	450646	4812152	2	270	0.00	0.0	0.0
VPR62	8	450646	4812152	2	315	0.00	0.0	0.0
VPR63	1	450671	4813226	2	0	0.00	0.0	0.0
VPR63	2	450671	4813226	2	45	0.00	0.0	0.0
VPR63	3	450671	4813226	2	90	0.00	0.0	0.0
VPR63	4	450671	4813226	2	135	0.00	0.0	0.0
VPR64	2	450701	4812935	2	45	0.00	0.0	0.0
VPR64	3	450701	4812935	2	90	0.00	0.0	0.0
VPR64	4	450701	4812935	2	135	0.00	0.0	0.0
VPR65	1	450727	4814005	2	0	0.00	0.0	0.0
VPR65	2	450727	4814005	2	45	0.00	0.0	0.0
VPR65	3	450727	4814005	2	90	0.00	0.0	0.0
VPR65	4	450727	4814005	2	135	0.00	0.0	0.0
VPR66	1	450793	4812185	2	0	0.00	0.0	0.0
VPR66	2	450793	4812185	2	45	0.00	0.0	0.0
VPR66	3	450793	4812185	2	90	0.00	0.0	0.0
VPR66	4	450793	4812185	2	135	0.00	0.0	0.0
VPR66	5	450793	4812185	2	180	0.00	0.0	0.0
VPR66	6	450793	4812185	2	225	0.00	0.0	0.0
VPR66	7	450793	4812185	2	270	0.00	0.0	0.0
VPR66	8	450793	4812185	2	315	0.00	0.0	0.0
VPR67	2	451917	4818955	2	45	0.00	0.0	0.0
VPR67	3	451917	4818955	2	90	0.00	0.0	0.0
VPR67	4	451917	4818955	2	135	0.00	0.0	0.0
VPR67	5	451917	4818955	2	180	0.00	0.0	0.0
VPR68	2	452127	4818805	2	45	0.00	0.0	0.0
VPR68	3	452127	4818805	2	90	0.00	0.0	0.0
VPR68	4	452127	4818805	2	135	0.00	0.0	0.0
VPR68	5	452127	4818805	2	180	0.00	0.0	0.0
VPR7	6	445985	4818110	2	225	0.00	0.0	0.0
VPR7	7	445985	4818110	2	270	0.00	0.0	0.0
VPR7	8	445985	4818110	2	315	0.00	0.0	0.0
VPR8	1	446017	4820043	2	0	0.00	0.0	0.0
VPR8	6	446017	4820043	2	225	0.00	0.0	0.0
VPR8	7	446017	4820043	2	270	0.00	0.0	0.0
VPR8	8	446017	4820043	2	315	0.00	0.0	0.0

Notes: NPR – Non-participating Point of Reception
 VNPR – Non-participating Vacant Lot Point of Reception
 PR – Participating Point of Reception
 VPR – Participating Vacant Lot Point of Reception
 1 Corrected hours per year based on 38% annual sunshine at London Airport