



Technical Appendix 11-4 Shadow Flicker Scenario 3 Shutdown Times by Turbine

EIAR – Volume 3

Muingmore Wind Farm

SLR Project No.: 501.065301.00001

April 2026

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Technical Appendix 11-4

Total Theoretical Shadow Flicker Shutdown Periods by Turbine – Scenario 3

Table 11-4-1: Summary of Theoretical Shadow Flicker by Turbine – Scenario 3

Turbine	Easting	Northing	Days per year	Max hours per day	Mean hours per day	Total shutdown hours per annum	Likely Shutdown Hours Per annum ¹
1	475806	823891	297	1.09	0.65	193.9	56.8
2	476156	824041	164	0.77	0.49	80.2	23.5
3	476506	823991	22	0.11	0.08	1.7	0.5
4	477006	823091	153	1.01	0.71	108.5	31.8
5	476998	823635	0	0	0	0	0.0
6	477564	823173	61	0.82	0.53	32.3	9.5
7	477624	823705	91	0.74	0.47	42.4	12.4
8	476357	822557	242	1.81	1	243	71.2
9	476464	822151	160	1.28	0.85	135.7	39.8
10	476198	821592	209	1.54	0.89	186.5	54.6
11	476576	821830	219	0.91	0.6	132	38.7
12	477164	821788	135	1.77	1.02	138.1	40.5
13	477072	822318	169	1.27	0.8	135.3	39.6
Total						1,429.6	418.9

¹ Based on the average sunshine hours for the site of 29.3%.

SHADOW FLICKER SHUTDOWN TIMES BY 11-4 TURBINE – SCENARIO 3

Table 11-4-2: Total Theoretical Shadow Flicker Shutdown Times by Turbine – Scenario 3

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	12-Jan	09:10:56	09:14:54	00:03:58	37.8
1	475806	823891	13-Jan	09:09:58	09:16:59	00:07:02	70.09
1	475806	823891	14-Jan	09:08:56	09:18:41	00:09:45	100
1	475806	823891	15-Jan	09:07:51	09:20:09	00:12:18	100
1	475806	823891	16-Jan	09:06:43	09:21:27	00:14:44	100
1	475806	823891	17-Jan	09:05:32	09:22:37	00:17:05	100
1	475806	823891	18-Jan	09:04:18	09:23:40	00:19:23	100
1	475806	823891	19-Jan	09:03:01	09:24:50	00:21:50	100
1	475806	823891	20-Jan	09:01:41	09:25:58	00:24:17	100
1	475806	823891	21-Jan	09:00:18	09:26:59	00:26:41	100
1	475806	823891	22-Jan	08:58:52	09:27:54	00:29:02	100
1	475806	823891	23-Jan	08:57:24	09:28:45	00:31:20	100
1	475806	823891	24-Jan	08:55:53	09:29:31	00:33:37	100
1	475806	823891	25-Jan	08:54:20	09:30:15	00:35:55	100
1	475806	823891	26-Jan	08:52:44	09:30:54	00:38:10	100
1	475806	823891	27-Jan	08:51:06	09:31:28	00:40:22	100
1	475806	823891	28-Jan	08:49:26	09:31:57	00:42:31	100
1	475806	823891	29-Jan	08:47:43	09:32:21	00:44:38	100
1	475806	823891	30-Jan	08:45:58	09:32:40	00:46:41	100
1	475806	823891	31-Jan	08:44:11	09:32:53	00:48:42	100
1	475806	823891	01-Feb	08:42:22	09:33:01	00:50:39	100
1	475806	823891	02-Feb	08:40:31	09:33:03	00:52:32	100
1	475806	823891	03-Feb	08:38:39	09:32:59	00:54:21	100
1	475806	823891	04-Feb	08:36:44	09:32:49	00:56:05	100
1	475806	823891	05-Feb	08:34:48	09:32:32	00:57:45	100
1	475806	823891	06-Feb	08:33:43	09:32:08	00:58:25	100
1	475806	823891	07-Feb	08:30:50	09:31:35	01:00:46	3.98
1	475806	823891	08-Feb	08:28:48	09:30:54	01:02:05	64.09
1	475806	823891	09-Feb	08:26:45	09:30:01	01:03:16	100
1	475806	823891	10-Feb	08:24:41	09:28:55	01:04:14	100
1	475806	823891	11-Feb	08:22:35	09:27:32	01:04:57	100
1	475806	823891	12-Feb	08:20:28	09:25:45	01:05:17	100
1	475806	823891	13-Feb	08:18:19	09:23:40	01:05:21	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	14-Feb	08:16:09	09:07:15	00:51:06	100
1	475806	823891	14-Feb	09:08:25	09:20:44	00:12:20	50.62
1	475806	823891	15-Feb	08:13:58	09:06:39	00:52:40	100
1	475806	823891	16-Feb	08:11:46	09:05:52	00:54:05	100
1	475806	823891	17-Feb	08:09:33	09:04:52	00:55:19	100
1	475806	823891	18-Feb	08:07:19	09:03:38	00:56:19	100
1	475806	823891	19-Feb	08:05:57	09:02:03	00:56:06	100
1	475806	823891	20-Feb	08:05:24	08:59:59	00:54:35	100
1	475806	823891	21-Feb	08:00:30	08:57:37	00:57:07	58.78
1	475806	823891	22-Feb	07:58:12	08:41:22	00:43:11	100
1	475806	823891	22-Feb	08:45:59	08:53:39	00:07:39	21.47
1	475806	823891	23-Feb	07:55:53	08:40:02	00:44:09	100
1	475806	823891	24-Feb	07:53:33	08:38:14	00:44:41	100
1	475806	823891	25-Feb	07:51:12	08:35:59	00:44:47	100
1	475806	823891	26-Feb	07:48:51	08:32:40	00:43:49	100
1	475806	823891	27-Feb	07:46:29	08:29:44	00:43:15	100
1	475806	823891	28-Feb	07:44:06	08:28:13	00:44:06	100
1	475806	823891	01-Mar	07:41:43	08:26:19	00:44:36	100
1	475806	823891	02-Mar	07:39:19	08:23:52	00:44:33	100
1	475806	823891	03-Mar	07:36:55	08:18:33	00:41:38	100
1	475806	823891	04-Mar	07:34:30	08:16:55	00:42:25	100
1	475806	823891	05-Mar	07:32:05	08:16:31	00:44:26	100
1	475806	823891	06-Mar	07:29:39	08:15:56	00:46:18	100
1	475806	823891	07-Mar	07:27:12	08:15:12	00:47:59	100
1	475806	823891	08-Mar	07:24:46	08:14:15	00:49:29	100
1	475806	823891	09-Mar	07:22:19	08:13:05	00:50:47	100
1	475806	823891	10-Mar	07:21:26	08:11:39	00:50:14	100
1	475806	823891	11-Mar	07:20:48	08:09:52	00:49:04	100
1	475806	823891	12-Mar	07:20:20	08:07:36	00:47:16	100
1	475806	823891	13-Mar	07:20:01	08:05:00	00:44:59	100
1	475806	823891	14-Mar	07:19:53	08:00:43	00:40:50	100
1	475806	823891	15-Mar	07:07:31	07:18:06	00:10:35	65.87
1	475806	823891	15-Mar	07:19:54	07:58:03	00:38:09	100
1	475806	823891	16-Mar	07:05:02	07:55:00	00:49:58	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	17-Mar	07:02:34	07:51:11	00:48:38	100
1	475806	823891	18-Mar	07:00:05	07:48:58	00:48:54	100
1	475806	823891	19-Mar	06:57:36	07:46:28	00:48:52	100
1	475806	823891	20-Mar	06:55:07	07:44:09	00:49:02	100
1	475806	823891	21-Mar	06:52:38	07:41:45	00:49:07	100
1	475806	823891	22-Mar	06:50:10	07:26:00	00:35:51	100
1	475806	823891	22-Mar	07:28:02	07:38:20	00:10:18	43.06
1	475806	823891	23-Mar	06:47:41	07:26:09	00:38:28	100
1	475806	823891	24-Mar	06:45:12	07:26:08	00:40:55	100
1	475806	823891	25-Mar	06:42:44	07:25:57	00:43:13	100
1	475806	823891	26-Mar	06:40:16	07:25:38	00:45:23	100
1	475806	823891	27-Mar	06:39:15	07:25:11	00:45:55	100
1	475806	823891	28-Mar	06:38:26	07:24:34	00:46:08	100
1	475806	823891	29-Mar	06:37:46	07:23:48	00:46:02	100
1	475806	823891	30-Mar	06:37:14	07:22:51	00:45:38	100
1	475806	823891	31-Mar	06:36:50	07:21:44	00:44:54	100
1	475806	823891	01-Apr	06:36:34	07:20:23	00:43:49	100
1	475806	823891	02-Apr	06:23:05	06:34:23	00:11:18	70.51
1	475806	823891	02-Apr	06:36:26	07:18:45	00:42:19	100
1	475806	823891	03-Apr	06:20:39	07:16:44	00:56:05	100
1	475806	823891	04-Apr	06:18:13	07:15:05	00:56:51	100
1	475806	823891	05-Apr	06:15:48	07:13:48	00:58:00	100
1	475806	823891	06-Apr	06:13:24	07:12:19	00:58:55	100
1	475806	823891	07-Apr	06:10:59	07:11:04	01:00:04	100
1	475806	823891	08-Apr	06:08:36	07:09:36	01:00:59	100
1	475806	823891	09-Apr	06:06:13	07:07:51	01:01:38	100
1	475806	823891	10-Apr	06:03:51	07:05:43	01:01:52	100
1	475806	823891	11-Apr	06:01:29	07:03:31	01:02:02	100
1	475806	823891	12-Apr	05:59:08	06:42:56	00:43:48	100
1	475806	823891	12-Apr	06:44:54	07:00:39	00:15:44	80.18
1	475806	823891	13-Apr	05:56:48	06:42:51	00:46:03	100
1	475806	823891	13-Apr	06:49:22	06:55:40	00:06:17	12.29
1	475806	823891	14-Apr	05:54:28	06:42:39	00:48:10	100
1	475806	823891	15-Apr	05:52:34	06:42:20	00:49:46	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	16-Apr	05:52:04	06:41:54	00:49:50	100
1	475806	823891	17-Apr	05:51:44	06:41:22	00:49:38	100
1	475806	823891	18-Apr	05:51:34	06:40:44	00:49:10	100
1	475806	823891	19-Apr	05:51:33	06:39:58	00:48:24	100
1	475806	823891	20-Apr	05:51:43	06:39:04	00:47:21	100
1	475806	823891	21-Apr	05:52:03	06:38:01	00:45:59	100
1	475806	823891	22-Apr	05:52:34	06:36:49	00:44:14	100
1	475806	823891	23-Apr	05:53:20	06:35:24	00:42:04	100
1	475806	823891	24-Apr	05:54:23	06:33:42	00:39:20	100
1	475806	823891	25-Apr	05:55:51	06:31:37	00:35:46	100
1	475806	823891	26-Apr	05:58:06	06:28:49	00:30:43	48.12
1	475806	823891	27-Apr	06:15:47	06:23:07	00:07:20	16.65
1	475806	823891	11-May	04:58:43	05:02:54	00:04:11	68.3
1	475806	823891	12-May	04:57:00	05:04:33	00:07:33	100
1	475806	823891	13-May	04:55:20	05:05:47	00:10:27	100
1	475806	823891	14-May	04:53:42	05:06:45	00:13:03	100
1	475806	823891	15-May	04:52:05	05:07:31	00:15:26	100
1	475806	823891	16-May	04:50:31	05:08:11	00:17:40	100
1	475806	823891	17-May	04:48:59	05:08:47	00:19:48	100
1	475806	823891	18-May	04:47:29	05:09:17	00:21:47	100
1	475806	823891	19-May	04:46:02	05:09:42	00:23:40	100
1	475806	823891	20-May	04:44:37	05:10:02	00:25:25	100
1	475806	823891	21-May	04:43:15	05:10:19	00:27:05	100
1	475806	823891	22-May	04:41:55	05:10:33	00:28:39	100
1	475806	823891	23-May	04:41:50	05:10:44	00:28:54	100
1	475806	823891	24-May	04:41:51	05:10:52	00:29:02	100
1	475806	823891	25-May	04:41:55	05:10:59	00:29:04	100
1	475806	823891	26-May	04:42:02	05:11:03	00:29:01	100
1	475806	823891	27-May	04:42:12	05:11:05	00:28:53	100
1	475806	823891	28-May	04:42:25	05:11:06	00:28:41	100
1	475806	823891	29-May	04:42:40	05:11:05	00:28:25	100
1	475806	823891	30-May	04:42:57	05:11:03	00:28:06	100
1	475806	823891	31-May	04:43:17	05:11:00	00:27:43	100
1	475806	823891	01-Jun	04:43:38	05:10:56	00:27:18	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	02-Jun	04:44:01	05:10:51	00:26:50	100
1	475806	823891	03-Jun	04:44:25	05:10:46	00:26:20	100
1	475806	823891	04-Jun	04:44:51	05:10:40	00:25:49	100
1	475806	823891	05-Jun	04:45:18	05:10:33	00:25:16	100
1	475806	823891	06-Jun	04:45:45	05:10:26	00:24:41	100
1	475806	823891	07-Jun	04:46:13	05:10:20	00:24:06	100
1	475806	823891	08-Jun	04:46:42	05:10:13	00:23:31	100
1	475806	823891	09-Jun	04:47:10	05:10:06	00:22:56	100
1	475806	823891	10-Jun	04:47:39	05:10:00	00:22:21	100
1	475806	823891	11-Jun	04:48:08	05:09:55	00:21:47	100
1	475806	823891	12-Jun	04:48:36	05:09:50	00:21:14	100
1	475806	823891	13-Jun	04:49:03	05:09:46	00:20:43	100
1	475806	823891	14-Jun	04:49:30	05:09:45	00:20:15	100
1	475806	823891	15-Jun	04:49:55	05:09:45	00:19:51	100
1	475806	823891	16-Jun	04:50:19	05:09:48	00:19:29	100
1	475806	823891	17-Jun	04:50:41	05:09:52	00:19:11	100
1	475806	823891	18-Jun	04:51:01	05:09:58	00:18:56	100
1	475806	823891	19-Jun	04:51:20	05:10:06	00:18:46	100
1	475806	823891	20-Jun	04:51:36	05:10:16	00:18:40	100
1	475806	823891	21-Jun	04:51:50	05:10:28	00:18:38	100
1	475806	823891	22-Jun	04:52:02	05:10:43	00:18:41	100
1	475806	823891	23-Jun	04:52:11	05:10:59	00:18:48	100
1	475806	823891	24-Jun	04:52:19	05:11:18	00:18:59	100
1	475806	823891	25-Jun	04:52:24	05:11:38	00:19:14	100
1	475806	823891	26-Jun	04:52:27	05:12:00	00:19:33	100
1	475806	823891	27-Jun	04:52:28	05:12:24	00:19:55	100
1	475806	823891	28-Jun	04:52:28	05:12:48	00:20:20	100
1	475806	823891	29-Jun	04:52:26	05:13:15	00:20:49	100
1	475806	823891	30-Jun	04:52:23	05:13:44	00:21:21	100
1	475806	823891	01-Jul	04:52:19	05:14:13	00:21:53	100
1	475806	823891	02-Jul	04:52:14	05:14:42	00:22:28	100
1	475806	823891	03-Jul	04:52:08	05:15:11	00:23:03	100
1	475806	823891	04-Jul	04:52:02	05:15:40	00:23:38	100
1	475806	823891	05-Jul	04:51:55	05:16:08	00:24:13	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	06-Jul	04:51:49	05:16:36	00:24:48	100
1	475806	823891	07-Jul	04:51:42	05:17:03	00:25:22	100
1	475806	823891	08-Jul	04:51:35	05:17:30	00:25:54	100
1	475806	823891	09-Jul	04:51:29	05:17:55	00:26:26	100
1	475806	823891	10-Jul	04:51:23	05:18:18	00:26:55	100
1	475806	823891	11-Jul	04:51:18	05:18:41	00:27:22	100
1	475806	823891	12-Jul	04:51:14	05:19:01	00:27:47	100
1	475806	823891	13-Jul	04:51:11	05:19:20	00:28:09	100
1	475806	823891	14-Jul	04:51:08	05:19:36	00:28:28	100
1	475806	823891	15-Jul	04:51:08	05:19:51	00:28:43	100
1	475806	823891	16-Jul	04:51:08	05:20:03	00:28:55	100
1	475806	823891	17-Jul	04:51:10	05:20:12	00:29:02	100
1	475806	823891	18-Jul	04:51:15	05:20:19	00:29:04	100
1	475806	823891	19-Jul	04:51:21	05:20:23	00:29:02	100
1	475806	823891	20-Jul	04:51:30	05:20:23	00:28:53	100
1	475806	823891	21-Jul	04:51:47	05:20:20	00:28:33	100
1	475806	823891	22-Jul	04:53:14	05:20:13	00:26:59	100
1	475806	823891	23-Jul	04:54:42	05:20:02	00:25:20	100
1	475806	823891	24-Jul	04:56:11	05:19:45	00:23:34	100
1	475806	823891	25-Jul	04:57:42	05:19:24	00:21:42	100
1	475806	823891	26-Jul	04:59:13	05:18:56	00:19:43	100
1	475806	823891	27-Jul	05:00:46	05:18:22	00:17:36	100
1	475806	823891	28-Jul	05:02:20	05:17:42	00:15:22	100
1	475806	823891	29-Jul	05:03:54	05:16:54	00:13:00	100
1	475806	823891	30-Jul	05:05:30	05:15:54	00:10:25	100
1	475806	823891	31-Jul	05:07:06	05:14:38	00:07:32	100
1	475806	823891	01-Aug	05:08:43	05:12:55	00:04:12	68.66
1	475806	823891	15-Aug	06:23:02	06:29:41	00:06:38	13.51
1	475806	823891	16-Aug	06:04:55	06:18:33	00:13:38	42.65
1	475806	823891	16-Aug	06:18:38	06:35:09	00:16:31	71.81
1	475806	823891	17-Aug	06:02:12	06:37:37	00:35:25	100
1	475806	823891	18-Aug	06:00:18	06:39:20	00:39:02	100
1	475806	823891	19-Aug	05:58:49	06:40:37	00:41:48	100
1	475806	823891	20-Aug	05:57:37	06:41:37	00:44:01	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	21-Aug	05:56:37	06:42:24	00:45:47	100
1	475806	823891	22-Aug	05:55:49	06:42:59	00:47:11	100
1	475806	823891	23-Aug	05:55:10	06:43:26	00:48:16	100
1	475806	823891	24-Aug	05:54:39	06:43:44	00:49:04	100
1	475806	823891	25-Aug	05:54:18	06:43:53	00:49:36	100
1	475806	823891	26-Aug	05:54:05	06:43:55	00:49:51	100
1	475806	823891	27-Aug	05:54:00	06:43:50	00:49:50	100
1	475806	823891	28-Aug	05:54:55	06:43:38	00:48:43	100
1	475806	823891	29-Aug	05:56:40	06:43:19	00:46:39	100
1	475806	823891	30-Aug	05:58:26	06:42:53	00:44:27	100
1	475806	823891	30-Aug	06:45:31	06:59:52	00:14:22	65.67
1	475806	823891	31-Aug	06:00:11	06:42:19	00:42:08	100
1	475806	823891	31-Aug	06:42:23	07:02:22	00:19:58	100
1	475806	823891	01-Sep	06:01:56	07:04:03	01:02:07	100
1	475806	823891	02-Sep	06:03:41	07:05:36	01:01:55	100
1	475806	823891	03-Sep	06:05:27	07:06:49	01:01:22	100
1	475806	823891	04-Sep	06:07:12	07:07:43	01:00:31	100
1	475806	823891	05-Sep	06:08:58	07:08:23	00:59:26	100
1	475806	823891	06-Sep	06:10:43	07:09:11	00:58:28	100
1	475806	823891	07-Sep	06:12:29	07:09:52	00:57:24	100
1	475806	823891	08-Sep	06:14:14	07:10:31	00:56:17	100
1	475806	823891	09-Sep	06:16:00	06:29:24	00:13:24	98.82
1	475806	823891	09-Sep	06:30:18	07:12:02	00:41:43	100
1	475806	823891	10-Sep	06:17:46	06:25:13	00:07:27	28.36
1	475806	823891	10-Sep	06:29:45	07:13:06	00:43:22	100
1	475806	823891	11-Sep	06:29:19	07:13:53	00:44:34	100
1	475806	823891	12-Sep	06:29:00	07:14:25	00:45:25	100
1	475806	823891	13-Sep	06:28:49	07:14:46	00:45:57	100
1	475806	823891	14-Sep	06:28:46	07:14:56	00:46:10	100
1	475806	823891	15-Sep	06:28:51	07:14:57	00:46:06	100
1	475806	823891	16-Sep	06:29:05	07:14:48	00:45:43	100
1	475806	823891	17-Sep	06:30:12	07:14:32	00:44:20	100
1	475806	823891	18-Sep	06:31:59	07:14:07	00:42:08	100
1	475806	823891	19-Sep	06:33:47	07:13:33	00:39:46	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	20-Sep	06:35:34	07:12:50	00:37:16	100
1	475806	823891	20-Sep	07:17:36	07:21:59	00:04:24	7.59
1	475806	823891	21-Sep	06:37:22	07:11:58	00:34:36	100
1	475806	823891	21-Sep	07:12:29	07:26:24	00:13:55	80.19
1	475806	823891	22-Sep	06:39:10	07:28:26	00:49:15	100
1	475806	823891	23-Sep	06:40:59	07:30:02	00:49:03	100
1	475806	823891	24-Sep	06:42:48	07:31:56	00:49:08	100
1	475806	823891	25-Sep	06:44:37	07:33:36	00:48:59	100
1	475806	823891	26-Sep	06:46:26	07:35:15	00:48:49	100
1	475806	823891	27-Sep	06:48:15	07:02:07	00:13:51	100
1	475806	823891	27-Sep	07:02:17	07:38:48	00:36:31	100
1	475806	823891	28-Sep	06:50:05	06:58:20	00:08:15	38.68
1	475806	823891	28-Sep	07:01:32	07:40:44	00:39:11	100
1	475806	823891	29-Sep	07:00:58	07:43:59	00:43:01	100
1	475806	823891	30-Sep	07:00:34	07:46:38	00:46:05	100
1	475806	823891	01-Oct	07:00:19	07:48:25	00:48:05	100
1	475806	823891	02-Oct	07:00:15	07:49:53	00:49:38	100
1	475806	823891	03-Oct	07:00:22	07:50:56	00:50:34	100
1	475806	823891	04-Oct	07:01:11	07:51:41	00:50:30	100
1	475806	823891	05-Oct	07:03:03	07:52:12	00:49:09	100
1	475806	823891	06-Oct	07:04:56	07:52:31	00:47:36	100
1	475806	823891	07-Oct	07:06:49	07:52:41	00:45:52	100
1	475806	823891	08-Oct	07:08:42	07:52:41	00:43:59	100
1	475806	823891	09-Oct	07:10:36	07:52:32	00:41:57	100
1	475806	823891	10-Oct	07:12:30	07:56:02	00:43:32	100
1	475806	823891	11-Oct	07:14:25	07:59:13	00:44:48	100
1	475806	823891	12-Oct	07:16:20	08:00:57	00:44:37	100
1	475806	823891	13-Oct	07:18:15	08:02:20	00:44:04	100
1	475806	823891	14-Oct	07:20:12	08:03:22	00:43:10	100
1	475806	823891	15-Oct	07:22:08	08:06:30	00:44:22	100
1	475806	823891	16-Oct	07:24:05	08:09:02	00:44:57	100
1	475806	823891	17-Oct	07:26:03	08:10:48	00:44:46	100
1	475806	823891	18-Oct	07:28:00	08:12:09	00:44:08	100
1	475806	823891	19-Oct	07:29:59	08:13:05	00:43:07	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	19-Oct	08:16:33	08:26:13	00:09:41	34.35
1	475806	823891	20-Oct	07:31:58	08:29:21	00:57:23	51.54
1	475806	823891	21-Oct	07:36:23	08:31:20	00:54:57	100
1	475806	823891	22-Oct	07:36:41	08:33:02	00:56:21	100
1	475806	823891	23-Oct	07:37:56	08:34:18	00:56:22	100
1	475806	823891	24-Oct	07:39:57	08:35:16	00:55:20	100
1	475806	823891	25-Oct	07:41:57	08:36:02	00:54:05	100
1	475806	823891	26-Oct	07:43:58	08:36:37	00:52:39	100
1	475806	823891	27-Oct	07:45:59	08:37:04	00:51:04	100
1	475806	823891	27-Oct	08:37:38	08:50:58	00:13:20	58.07
1	475806	823891	28-Oct	07:48:01	08:53:35	01:05:34	100
1	475806	823891	29-Oct	07:50:03	08:55:31	01:05:28	100
1	475806	823891	30-Oct	07:52:05	08:57:10	01:05:05	100
1	475806	823891	31-Oct	07:54:07	08:58:28	01:04:21	100
1	475806	823891	01-Nov	07:56:09	08:59:31	01:03:22	100
1	475806	823891	02-Nov	07:58:12	09:00:23	01:02:11	65.1
1	475806	823891	03-Nov	08:00:14	09:01:06	01:00:52	6.01
1	475806	823891	04-Nov	08:03:13	09:01:42	00:58:28	100
1	475806	823891	05-Nov	08:04:20	09:02:11	00:57:51	100
1	475806	823891	06-Nov	08:06:22	09:02:34	00:56:12	100
1	475806	823891	07-Nov	08:08:24	09:02:53	00:54:28	100
1	475806	823891	08-Nov	08:10:27	09:03:07	00:52:40	100
1	475806	823891	09-Nov	08:12:29	09:03:17	00:50:48	100
1	475806	823891	10-Nov	08:14:31	09:03:23	00:48:52	100
1	475806	823891	11-Nov	08:16:33	09:03:25	00:46:53	100
1	475806	823891	12-Nov	08:18:34	09:03:24	00:44:50	100
1	475806	823891	13-Nov	08:20:35	09:03:19	00:42:45	100
1	475806	823891	14-Nov	08:22:35	09:03:11	00:40:36	100
1	475806	823891	15-Nov	08:24:35	09:03:00	00:38:25	100
1	475806	823891	16-Nov	08:26:34	09:02:45	00:36:12	100
1	475806	823891	17-Nov	08:28:32	09:02:27	00:33:55	100
1	475806	823891	18-Nov	08:30:30	09:02:09	00:31:39	100
1	475806	823891	19-Nov	08:32:27	09:01:48	00:29:22	100
1	475806	823891	20-Nov	08:34:22	09:01:24	00:27:02	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
1	475806	823891	21-Nov	08:36:17	09:00:56	00:24:39	100
1	475806	823891	22-Nov	08:38:10	09:00:23	00:22:13	100
1	475806	823891	23-Nov	08:40:02	08:59:47	00:19:45	100
1	475806	823891	24-Nov	08:41:52	08:59:21	00:17:28	100
1	475806	823891	25-Nov	08:43:41	08:58:50	00:15:08	100
1	475806	823891	26-Nov	08:45:29	08:58:13	00:12:44	100
1	475806	823891	27-Nov	08:47:14	08:57:28	00:10:14	100
1	475806	823891	28-Nov	08:48:58	08:56:32	00:07:34	76.34
1	475806	823891	29-Nov	08:50:40	08:55:16	00:04:36	44.07
1	475806	823891	30-Nov	08:52:19	08:53:13	00:00:53	13.1
2	476156	824041	07-Feb	08:30:50	08:36:53	00:06:04	62.74
2	476156	824041	08-Feb	08:28:48	08:39:01	00:10:13	100
2	476156	824041	09-Feb	08:26:45	08:40:30	00:13:45	100
2	476156	824041	10-Feb	08:24:41	08:41:37	00:16:57	100
2	476156	824041	11-Feb	08:22:35	08:42:30	00:19:55	100
2	476156	824041	12-Feb	08:20:28	08:43:13	00:22:45	100
2	476156	824041	13-Feb	08:18:19	08:43:44	00:25:25	100
2	476156	824041	14-Feb	08:16:09	08:44:04	00:27:54	100
2	476156	824041	15-Feb	08:13:58	08:44:13	00:30:15	100
2	476156	824041	16-Feb	08:11:46	08:44:13	00:32:27	100
2	476156	824041	17-Feb	08:09:33	08:44:02	00:34:29	100
2	476156	824041	18-Feb	08:07:19	08:43:41	00:36:23	30.64
2	476156	824041	19-Feb	08:05:03	08:43:09	00:38:06	98.13
2	476156	824041	20-Feb	08:02:47	08:42:24	00:39:37	100
2	476156	824041	21-Feb	08:00:30	08:41:23	00:40:54	100
2	476156	824041	22-Feb	07:58:12	08:40:03	00:41:52	100
2	476156	824041	23-Feb	07:55:53	08:38:15	00:42:22	100
2	476156	824041	24-Feb	07:53:33	08:37:29	00:43:56	100
2	476156	824041	25-Feb	07:51:45	08:36:46	00:45:01	100
2	476156	824041	26-Feb	07:51:15	08:35:50	00:44:35	100
2	476156	824041	27-Feb	07:50:56	08:34:39	00:43:43	100
2	476156	824041	28-Feb	07:50:46	08:33:08	00:42:22	100
2	476156	824041	01-Mar	07:50:46	08:31:08	00:40:22	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
2	476156	824041	02-Mar	07:50:56	08:28:43	00:37:46	100
2	476156	824041	03-Mar	07:51:18	08:24:57	00:33:39	100
2	476156	824041	04-Mar	07:51:54	08:17:02	00:25:08	100
2	476156	824041	05-Mar	07:52:46	08:15:38	00:22:52	100
2	476156	824041	06-Mar	07:54:02	08:13:48	00:19:46	100
2	476156	824041	07-Mar	07:27:12	07:27:57	00:00:44	4.7
2	476156	824041	07-Mar	07:55:55	08:11:26	00:15:31	100
2	476156	824041	08-Mar	07:24:46	07:32:29	00:07:43	78.38
2	476156	824041	08-Mar	07:58:53	08:08:09	00:09:16	38.47
2	476156	824041	09-Mar	07:22:19	07:34:27	00:12:09	100
2	476156	824041	10-Mar	07:19:51	07:35:43	00:15:52	100
2	476156	824041	11-Mar	07:17:24	07:36:36	00:19:13	100
2	476156	824041	12-Mar	07:14:56	07:37:15	00:22:19	100
2	476156	824041	13-Mar	07:12:28	07:37:37	00:25:10	100
2	476156	824041	14-Mar	07:09:59	07:37:46	00:27:47	100
2	476156	824041	15-Mar	07:07:31	07:37:43	00:30:12	100
2	476156	824041	16-Mar	07:05:19	07:37:27	00:32:08	100
2	476156	824041	17-Mar	07:04:45	07:37:00	00:32:15	100
2	476156	824041	18-Mar	07:04:23	07:36:21	00:31:57	100
2	476156	824041	19-Mar	07:04:14	07:35:28	00:31:15	100
2	476156	824041	20-Mar	07:04:16	07:34:21	00:30:05	100
2	476156	824041	21-Mar	07:04:31	07:32:55	00:28:23	100
2	476156	824041	22-Mar	07:05:02	07:31:02	00:26:00	100
2	476156	824041	23-Mar	07:05:52	07:28:40	00:22:48	100
2	476156	824041	24-Mar	07:07:04	07:25:24	00:18:19	100
2	476156	824041	25-Mar	06:42:44	06:48:40	00:05:56	40.71
2	476156	824041	25-Mar	07:08:47	07:22:19	00:13:32	91.93
2	476156	824041	26-Mar	06:40:16	06:51:20	00:11:04	100
2	476156	824041	26-Mar	07:12:08	07:18:21	00:06:12	18.1
2	476156	824041	27-Mar	06:37:48	06:52:53	00:15:05	100
2	476156	824041	28-Mar	06:35:20	06:53:54	00:18:34	100
2	476156	824041	29-Mar	06:32:52	06:54:40	00:21:48	100
2	476156	824041	30-Mar	06:30:25	06:55:11	00:24:46	100
2	476156	824041	31-Mar	06:27:58	06:55:27	00:27:29	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
2	476156	824041	01-Apr	06:25:31	06:55:31	00:29:59	100
2	476156	824041	02-Apr	06:23:05	06:55:24	00:32:19	100
2	476156	824041	03-Apr	06:20:39	06:55:06	00:34:27	100
2	476156	824041	04-Apr	06:18:13	06:54:37	00:36:24	100
2	476156	824041	05-Apr	06:16:35	06:53:58	00:37:23	100
2	476156	824041	06-Apr	06:15:58	06:53:08	00:37:10	100
2	476156	824041	07-Apr	06:15:30	06:52:04	00:36:33	100
2	476156	824041	08-Apr	06:08:36	06:13:14	00:04:38	27.64
2	476156	824041	08-Apr	06:15:13	06:50:44	00:35:31	100
2	476156	824041	09-Apr	06:06:13	06:49:02	00:42:49	97.37
2	476156	824041	10-Apr	06:03:51	06:46:46	00:42:56	100
2	476156	824041	11-Apr	06:01:29	06:44:55	00:43:26	100
2	476156	824041	12-Apr	05:59:08	06:43:31	00:44:23	100
2	476156	824041	13-Apr	05:56:48	06:41:43	00:44:55	100
2	476156	824041	14-Apr	05:54:28	06:40:12	00:45:44	100
2	476156	824041	15-Apr	05:52:31	06:38:21	00:45:50	100
2	476156	824041	16-Apr	05:51:54	06:35:51	00:43:57	100
2	476156	824041	17-Apr	05:51:27	06:21:16	00:29:49	100
2	476156	824041	17-Apr	06:23:44	06:31:08	00:07:24	20.05
2	476156	824041	18-Apr	05:51:10	06:21:04	00:29:54	100
2	476156	824041	19-Apr	05:51:01	06:20:43	00:29:41	100
2	476156	824041	20-Apr	05:51:02	06:20:13	00:29:11	100
2	476156	824041	21-Apr	05:51:12	06:19:36	00:28:24	100
2	476156	824041	22-Apr	05:51:32	06:18:50	00:27:18	100
2	476156	824041	23-Apr	05:52:03	06:17:55	00:25:53	100
2	476156	824041	24-Apr	05:52:46	06:16:48	00:24:02	100
2	476156	824041	25-Apr	05:53:45	06:15:26	00:21:42	100
2	476156	824041	26-Apr	05:55:05	06:13:43	00:18:38	100
2	476156	824041	27-Apr	05:56:59	06:11:21	00:14:22	72.61
2	476156	824041	28-Apr	06:00:28	06:06:36	00:06:08	13.87
2	476156	824041	14-Aug	06:08:06	06:13:10	00:05:04	10.25
2	476156	824041	15-Aug	06:04:04	06:18:03	00:13:59	67.84
2	476156	824041	16-Aug	06:01:46	06:20:06	00:18:20	100
2	476156	824041	17-Aug	06:00:02	06:21:28	00:21:26	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3

11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
2	476156	824041	18-Aug	05:58:38	06:22:27	00:23:49	100
2	476156	824041	19-Aug	05:57:30	06:23:11	00:25:41	100
2	476156	824041	20-Aug	05:56:32	06:23:41	00:27:09	100
2	476156	824041	21-Aug	05:55:45	06:24:00	00:28:15	100
2	476156	824041	22-Aug	05:55:06	06:24:12	00:29:05	100
2	476156	824041	23-Aug	05:54:36	06:24:14	00:29:38	100
2	476156	824041	24-Aug	05:54:14	06:24:07	00:29:53	100
2	476156	824041	25-Aug	05:53:59	06:23:52	00:29:52	100
2	476156	824041	25-Aug	06:27:31	06:32:11	00:04:40	8.67
2	476156	824041	26-Aug	05:53:53	06:37:24	00:43:30	100
2	476156	824041	27-Aug	05:53:56	06:39:32	00:45:36	100
2	476156	824041	28-Aug	05:54:55	06:40:55	00:45:59	100
2	476156	824041	29-Aug	05:56:40	06:41:53	00:45:12	100
2	476156	824041	30-Aug	05:58:26	06:43:06	00:44:40	100
2	476156	824041	31-Aug	06:00:11	06:43:59	00:43:49	100
2	476156	824041	01-Sep	06:01:56	06:44:53	00:42:56	100
2	476156	824041	02-Sep	06:03:41	06:46:44	00:43:03	100
2	476156	824041	03-Sep	06:05:27	06:12:08	00:06:41	50.66
2	476156	824041	03-Sep	06:12:46	06:47:56	00:35:09	100
2	476156	824041	04-Sep	06:12:24	06:48:44	00:36:19	100
2	476156	824041	05-Sep	06:12:11	06:49:14	00:37:03	100
2	476156	824041	06-Sep	06:12:07	06:49:31	00:37:23	100
2	476156	824041	07-Sep	06:12:29	06:49:36	00:37:07	100
2	476156	824041	08-Sep	06:14:14	06:49:29	00:35:15	100
2	476156	824041	09-Sep	06:16:00	06:49:12	00:33:12	100
2	476156	824041	10-Sep	06:17:46	06:48:45	00:30:59	100
2	476156	824041	11-Sep	06:19:32	06:48:07	00:28:35	100
2	476156	824041	12-Sep	06:21:18	06:47:17	00:25:59	100
2	476156	824041	13-Sep	06:23:05	06:46:14	00:23:10	100
2	476156	824041	14-Sep	06:24:51	06:44:57	00:20:05	100
2	476156	824041	15-Sep	06:26:38	06:43:25	00:16:47	100
2	476156	824041	16-Sep	06:28:25	06:41:31	00:13:07	100
2	476156	824041	17-Sep	06:30:12	06:38:55	00:08:44	77.66
2	476156	824041	17-Sep	06:58:39	07:09:36	00:10:57	57.93

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
2	476156	824041	18-Sep	06:31:59	06:33:53	00:01:54	5.44
2	476156	824041	18-Sep	06:55:50	07:11:42	00:15:53	100
2	476156	824041	19-Sep	06:53:49	07:14:44	00:20:55	100
2	476156	824041	20-Sep	06:52:09	07:16:38	00:24:29	100
2	476156	824041	21-Sep	06:50:51	07:18:08	00:27:17	100
2	476156	824041	22-Sep	06:49:49	07:19:06	00:29:17	100
2	476156	824041	23-Sep	06:49:01	07:19:43	00:30:42	100
2	476156	824041	24-Sep	06:48:26	07:20:04	00:31:38	100
2	476156	824041	25-Sep	06:48:03	07:20:12	00:32:09	100
2	476156	824041	26-Sep	06:47:51	07:20:07	00:32:17	100
2	476156	824041	27-Sep	06:48:15	07:19:52	00:31:37	100
2	476156	824041	28-Sep	06:50:05	07:19:26	00:29:20	100
2	476156	824041	29-Sep	06:51:55	07:18:48	00:26:52	100
2	476156	824041	30-Sep	06:53:46	07:17:58	00:24:13	100
2	476156	824041	01-Oct	06:55:37	07:16:55	00:21:19	100
2	476156	824041	02-Oct	06:57:28	07:15:36	00:18:09	100
2	476156	824041	03-Oct	06:59:19	07:14:05	00:14:46	100
2	476156	824041	04-Oct	07:01:11	07:12:07	00:10:56	100
2	476156	824041	05-Oct	07:03:03	07:09:17	00:06:14	57.73
2	476156	824041	05-Oct	07:35:20	07:47:06	00:11:46	62.77
2	476156	824041	06-Oct	07:32:18	07:49:17	00:16:59	100
2	476156	824041	07-Oct	07:30:09	07:50:58	00:20:50	100
2	476156	824041	08-Oct	07:28:31	07:52:07	00:23:36	100
2	476156	824041	09-Oct	07:27:15	07:52:55	00:25:40	100
2	476156	824041	10-Oct	07:26:15	08:01:23	00:35:08	100
2	476156	824041	11-Oct	07:25:28	08:04:01	00:38:33	100
2	476156	824041	12-Oct	07:24:53	08:05:52	00:40:59	100
2	476156	824041	13-Oct	07:24:29	08:07:15	00:42:46	100
2	476156	824041	14-Oct	07:24:16	08:08:15	00:43:59	100
2	476156	824041	15-Oct	07:24:13	08:08:58	00:44:45	100
2	476156	824041	16-Oct	07:24:22	08:09:28	00:45:06	100
2	476156	824041	17-Oct	07:26:03	08:09:47	00:43:44	100
2	476156	824041	18-Oct	07:28:00	08:10:28	00:42:27	100
2	476156	824041	19-Oct	07:29:59	08:11:50	00:41:51	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
2	476156	824041	20-Oct	07:31:58	08:12:47	00:40:50	100
2	476156	824041	21-Oct	07:33:57	08:13:28	00:39:31	100
2	476156	824041	22-Oct	07:35:56	08:13:56	00:37:59	92.05
2	476156	824041	23-Oct	07:37:56	08:14:12	00:36:16	25.91
2	476156	824041	24-Oct	07:39:57	08:14:19	00:34:22	100
2	476156	824041	25-Oct	07:41:57	08:14:17	00:32:20	100
2	476156	824041	26-Oct	07:43:58	08:14:07	00:30:09	100
2	476156	824041	27-Oct	07:45:59	08:13:48	00:27:49	100
2	476156	824041	28-Oct	07:48:01	08:13:21	00:25:20	100
2	476156	824041	29-Oct	07:50:03	08:12:44	00:22:41	100
2	476156	824041	30-Oct	07:52:05	08:11:57	00:19:52	100
2	476156	824041	31-Oct	07:54:07	08:11:03	00:16:56	100
2	476156	824041	01-Nov	07:56:09	08:09:55	00:13:46	100
2	476156	824041	02-Nov	07:58:12	08:08:28	00:10:16	100
2	476156	824041	03-Nov	08:00:14	08:06:25	00:06:11	64.3
2	476156	824041	04-Nov	08:02:17	08:02:23	00:00:07	5.99
3	476506	823991	10-Jun	04:25:27	04:25:35	00:00:08	33.25
3	476506	823991	11-Jun	04:25:06	04:26:35	00:01:29	46.5
3	476506	823991	12-Jun	04:24:48	04:27:24	00:02:36	58.5
3	476506	823991	13-Jun	04:24:34	04:28:06	00:03:32	69.23
3	476506	823991	14-Jun	04:24:22	04:28:42	00:04:20	78.7
3	476506	823991	15-Jun	04:24:14	04:29:14	00:04:59	86.9
3	476506	823991	16-Jun	04:24:09	04:29:42	00:05:33	93.83
3	476506	823991	17-Jun	04:24:08	04:30:07	00:05:59	99.48
3	476506	823991	18-Jun	04:24:10	04:30:29	00:06:19	100
3	476506	823991	19-Jun	04:24:15	04:30:49	00:06:33	100
3	476506	823991	20-Jun	04:24:24	04:31:05	00:06:42	100
3	476506	823991	21-Jun	04:24:35	04:31:19	00:06:44	100
3	476506	823991	22-Jun	04:24:50	04:31:31	00:06:41	100
3	476506	823991	23-Jun	04:25:09	04:31:40	00:06:32	100
3	476506	823991	24-Jun	04:25:30	04:31:47	00:06:17	100
3	476506	823991	25-Jun	04:25:55	04:31:50	00:05:56	98.72
3	476506	823991	26-Jun	04:26:22	04:31:51	00:05:28	92.89

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
3	476506	823991	27-Jun	04:26:53	04:31:47	00:04:54	85.8
3	476506	823991	28-Jun	04:27:27	04:31:40	00:04:14	77.44
3	476506	823991	29-Jun	04:28:03	04:31:28	00:03:25	67.82
3	476506	823991	30-Jun	04:28:43	04:31:10	00:02:27	56.95
3	476506	823991	01-Jul	04:29:25	04:30:43	00:01:18	44.82
4	477006	823091	06-Apr	06:13:24	06:14:11	00:00:47	29.72
4	477006	823091	07-Apr	06:10:59	06:16:59	00:05:59	100
4	477006	823091	08-Apr	06:08:36	06:18:33	00:09:57	100
4	477006	823091	09-Apr	06:06:13	06:19:34	00:13:21	100
4	477006	823091	10-Apr	06:03:51	06:20:20	00:16:29	100
4	477006	823091	11-Apr	06:01:29	06:20:51	00:19:22	100
4	477006	823091	12-Apr	05:59:08	06:21:08	00:21:59	100
4	477006	823091	13-Apr	05:56:48	06:21:14	00:24:26	100
4	477006	823091	14-Apr	05:54:28	06:21:09	00:26:41	100
4	477006	823091	15-Apr	05:52:09	06:20:55	00:28:45	100
4	477006	823091	16-Apr	05:49:51	06:20:31	00:30:39	100
4	477006	823091	17-Apr	05:47:34	06:19:57	00:32:23	100
4	477006	823091	18-Apr	05:45:18	06:19:13	00:33:55	100
4	477006	823091	19-Apr	05:43:03	06:18:19	00:35:16	100
4	477006	823091	20-Apr	05:40:48	06:17:12	00:36:24	100
4	477006	823091	21-Apr	05:38:35	06:15:48	00:37:13	100
4	477006	823091	22-Apr	05:36:23	06:13:59	00:37:36	100
4	477006	823091	23-Apr	05:34:12	06:11:21	00:37:09	100
4	477006	823091	24-Apr	05:32:02	06:03:14	00:31:12	100
4	477006	823091	25-Apr	05:29:53	06:02:50	00:32:57	100
4	477006	823091	26-Apr	05:27:45	06:02:17	00:34:32	100
4	477006	823091	27-Apr	05:25:39	06:01:37	00:35:58	100
4	477006	823091	28-Apr	05:23:33	06:00:46	00:37:12	100
4	477006	823091	29-Apr	05:21:30	05:59:45	00:38:15	100
4	477006	823091	30-Apr	05:19:27	05:58:33	00:39:06	100
4	477006	823091	01-May	05:17:33	05:57:02	00:39:29	100
4	477006	823091	02-May	05:17:23	05:55:00	00:37:38	100
4	477006	823091	03-May	05:17:20	05:52:54	00:35:35	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	04-May	05:11:32	05:14:09	00:02:37	87.03
4	477006	823091	04-May	05:17:24	05:51:40	00:34:15	100
4	477006	823091	05-May	05:09:37	05:50:05	00:40:28	100
4	477006	823091	06-May	05:07:43	05:47:55	00:40:11	100
4	477006	823091	07-May	05:05:52	05:44:14	00:38:22	100
4	477006	823091	08-May	05:04:02	05:43:28	00:39:26	100
4	477006	823091	09-May	05:02:14	05:42:34	00:40:20	100
4	477006	823091	10-May	05:00:27	05:41:33	00:41:05	100
4	477006	823091	11-May	04:58:43	05:40:18	00:41:35	100
4	477006	823091	12-May	04:57:00	05:23:19	00:26:18	100
4	477006	823091	12-May	05:23:20	05:38:42	00:15:23	84.77
4	477006	823091	13-May	04:55:20	05:23:31	00:28:11	100
4	477006	823091	13-May	05:25:29	05:36:25	00:10:56	38.87
4	477006	823091	14-May	04:53:42	05:23:39	00:29:57	100
4	477006	823091	15-May	04:52:05	05:23:42	00:31:37	100
4	477006	823091	15-May	20:18:55	20:20:42	00:01:47	91.9
4	477006	823091	16-May	04:50:31	05:23:42	00:33:11	100
4	477006	823091	16-May	20:17:36	20:22:18	00:04:42	100
4	477006	823091	17-May	04:48:59	05:23:39	00:34:40	100
4	477006	823091	17-May	20:16:35	20:23:52	00:07:17	100
4	477006	823091	18-May	04:47:29	05:23:32	00:36:03	100
4	477006	823091	18-May	20:15:48	20:25:26	00:09:38	100
4	477006	823091	19-May	04:46:02	05:23:23	00:37:20	100
4	477006	823091	19-May	20:15:09	20:26:58	00:11:48	100
4	477006	823091	20-May	04:44:37	05:23:10	00:38:33	100
4	477006	823091	20-May	20:14:39	20:28:29	00:13:50	100
4	477006	823091	21-May	04:44:25	05:22:54	00:38:28	100
4	477006	823091	21-May	20:14:15	20:29:58	00:15:43	100
4	477006	823091	22-May	04:44:23	05:22:35	00:38:12	100
4	477006	823091	22-May	20:13:57	20:31:26	00:17:30	100
4	477006	823091	23-May	04:44:25	05:22:13	00:37:48	100
4	477006	823091	23-May	20:13:43	20:32:53	00:19:10	100
4	477006	823091	24-May	04:44:31	05:21:48	00:37:17	100
4	477006	823091	24-May	20:13:34	20:34:18	00:20:44	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	25-May	04:44:39	05:21:19	00:36:40	100
4	477006	823091	25-May	20:13:28	20:35:41	00:22:13	100
4	477006	823091	26-May	04:44:51	05:20:47	00:35:56	100
4	477006	823091	26-May	20:13:26	20:37:03	00:23:36	100
4	477006	823091	27-May	04:45:05	05:20:14	00:35:09	100
4	477006	823091	27-May	20:13:27	20:38:22	00:24:55	100
4	477006	823091	28-May	04:45:22	05:19:38	00:34:15	100
4	477006	823091	28-May	20:13:31	20:39:40	00:26:09	100
4	477006	823091	29-May	04:45:42	05:18:56	00:33:14	100
4	477006	823091	29-May	20:13:37	20:40:56	00:27:19	100
4	477006	823091	30-May	04:46:03	05:18:08	00:32:05	100
4	477006	823091	30-May	20:13:45	20:42:10	00:28:24	100
4	477006	823091	31-May	04:46:27	05:17:11	00:30:44	100
4	477006	823091	31-May	20:13:56	20:43:21	00:29:25	100
4	477006	823091	01-Jun	04:46:53	05:16:27	00:29:34	100
4	477006	823091	01-Jun	20:14:08	20:44:30	00:30:23	100
4	477006	823091	02-Jun	04:47:20	05:15:56	00:28:37	100
4	477006	823091	02-Jun	20:14:22	20:45:38	00:31:16	100
4	477006	823091	03-Jun	04:47:48	05:15:23	00:27:35	100
4	477006	823091	03-Jun	20:14:37	20:46:42	00:32:06	100
4	477006	823091	04-Jun	04:48:18	05:14:46	00:26:28	100
4	477006	823091	04-Jun	20:14:53	20:47:44	00:32:52	100
4	477006	823091	05-Jun	04:48:49	05:14:04	00:25:15	100
4	477006	823091	05-Jun	20:15:10	20:48:44	00:33:34	100
4	477006	823091	06-Jun	04:49:21	05:13:14	00:23:53	100
4	477006	823091	06-Jun	20:15:26	20:49:41	00:34:15	100
4	477006	823091	07-Jun	04:49:54	05:12:17	00:22:23	100
4	477006	823091	07-Jun	20:15:43	20:50:36	00:34:53	100
4	477006	823091	08-Jun	04:50:27	05:12:05	00:21:38	100
4	477006	823091	08-Jun	20:15:59	20:51:28	00:35:28	100
4	477006	823091	09-Jun	04:50:59	05:11:54	00:20:54	100
4	477006	823091	09-Jun	20:16:17	20:51:43	00:35:26	100
4	477006	823091	10-Jun	04:51:33	05:11:45	00:20:11	100
4	477006	823091	10-Jun	20:16:34	20:51:54	00:35:20	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	11-Jun	04:52:07	05:11:36	00:19:30	100
4	477006	823091	11-Jun	20:16:52	20:52:06	00:35:14	100
4	477006	823091	12-Jun	04:52:39	05:11:29	00:18:50	100
4	477006	823091	12-Jun	20:17:10	20:52:17	00:35:08	100
4	477006	823091	13-Jun	04:53:11	05:11:23	00:18:11	100
4	477006	823091	13-Jun	20:17:27	20:52:29	00:35:01	100
4	477006	823091	14-Jun	04:53:42	05:11:18	00:17:36	100
4	477006	823091	14-Jun	20:17:45	20:52:40	00:34:56	100
4	477006	823091	15-Jun	04:54:11	05:11:14	00:17:03	100
4	477006	823091	15-Jun	20:18:01	20:52:52	00:34:50	100
4	477006	823091	16-Jun	04:54:39	05:11:13	00:16:34	94.08
4	477006	823091	16-Jun	20:18:18	20:53:04	00:34:46	100
4	477006	823091	17-Jun	04:55:05	05:11:14	00:16:09	88.5
4	477006	823091	17-Jun	20:18:34	20:53:16	00:34:42	100
4	477006	823091	18-Jun	04:55:28	05:11:17	00:15:49	84.19
4	477006	823091	18-Jun	20:18:49	20:53:28	00:34:39	100
4	477006	823091	19-Jun	04:55:48	05:11:23	00:15:35	81.14
4	477006	823091	19-Jun	20:19:03	20:53:41	00:34:37	100
4	477006	823091	20-Jun	04:56:06	05:11:32	00:15:26	79.37
4	477006	823091	20-Jun	20:19:17	20:53:54	00:34:37	100
4	477006	823091	21-Jun	04:56:20	05:11:44	00:15:24	78.86
4	477006	823091	21-Jun	20:19:30	20:54:07	00:34:37	100
4	477006	823091	22-Jun	04:56:31	05:11:59	00:15:28	79.62
4	477006	823091	22-Jun	20:19:42	20:54:20	00:34:38	100
4	477006	823091	23-Jun	04:56:39	05:12:17	00:15:37	81.65
4	477006	823091	23-Jun	20:19:54	20:54:34	00:34:41	100
4	477006	823091	24-Jun	04:56:45	05:12:37	00:15:53	84.94
4	477006	823091	24-Jun	20:20:04	20:54:48	00:34:44	100
4	477006	823091	25-Jun	04:56:47	05:13:01	00:16:14	89.5
4	477006	823091	25-Jun	20:20:14	20:55:02	00:34:48	100
4	477006	823091	26-Jun	04:56:47	05:13:26	00:16:39	95.31
4	477006	823091	26-Jun	20:20:23	20:55:16	00:34:53	100
4	477006	823091	27-Jun	04:56:44	05:13:53	00:17:09	100
4	477006	823091	27-Jun	20:20:31	20:55:29	00:34:58	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3

11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	28-Jun	04:56:40	05:14:22	00:17:43	100
4	477006	823091	28-Jun	20:20:38	20:55:43	00:35:04	100
4	477006	823091	29-Jun	04:56:34	05:14:52	00:18:19	100
4	477006	823091	29-Jun	20:20:45	20:55:56	00:35:11	100
4	477006	823091	30-Jun	04:56:26	05:15:23	00:18:58	100
4	477006	823091	30-Jun	20:20:52	20:56:09	00:35:17	100
4	477006	823091	01-Jul	04:56:17	05:15:55	00:19:38	100
4	477006	823091	01-Jul	20:20:58	20:56:21	00:35:23	100
4	477006	823091	02-Jul	04:56:07	05:16:27	00:20:20	100
4	477006	823091	02-Jul	20:21:03	20:56:32	00:35:29	100
4	477006	823091	03-Jul	04:55:57	05:16:59	00:21:02	100
4	477006	823091	03-Jul	20:21:09	20:56:20	00:35:11	100
4	477006	823091	04-Jul	04:55:46	05:17:33	00:21:47	100
4	477006	823091	04-Jul	20:21:14	20:55:49	00:34:35	100
4	477006	823091	05-Jul	04:55:35	05:18:13	00:22:38	100
4	477006	823091	05-Jul	20:21:20	20:55:15	00:33:55	100
4	477006	823091	06-Jul	04:55:24	05:19:33	00:24:09	100
4	477006	823091	06-Jul	20:21:23	20:54:37	00:33:14	100
4	477006	823091	07-Jul	04:55:13	05:20:41	00:25:29	100
4	477006	823091	07-Jul	20:21:27	20:53:57	00:32:30	100
4	477006	823091	08-Jul	04:55:02	05:21:42	00:26:41	100
4	477006	823091	08-Jul	20:21:30	20:53:13	00:31:43	100
4	477006	823091	09-Jul	04:54:51	05:22:37	00:27:46	100
4	477006	823091	09-Jul	20:21:34	20:52:26	00:30:52	100
4	477006	823091	10-Jul	04:54:41	05:23:28	00:28:47	100
4	477006	823091	10-Jul	20:21:39	20:51:36	00:29:57	100
4	477006	823091	11-Jul	04:54:32	05:24:15	00:29:43	100
4	477006	823091	11-Jul	20:21:45	20:50:43	00:28:58	100
4	477006	823091	12-Jul	04:54:23	05:25:22	00:30:58	100
4	477006	823091	12-Jul	20:21:51	20:49:47	00:27:56	100
4	477006	823091	13-Jul	04:54:16	05:26:33	00:32:17	100
4	477006	823091	13-Jul	20:21:59	20:48:48	00:26:49	100
4	477006	823091	14-Jul	04:54:10	05:27:34	00:33:25	100
4	477006	823091	14-Jul	20:22:08	20:47:47	00:25:38	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3

11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	15-Jul	04:54:05	05:28:29	00:34:24	100
4	477006	823091	15-Jul	20:22:19	20:46:42	00:24:23	100
4	477006	823091	16-Jul	04:54:01	05:29:17	00:35:16	100
4	477006	823091	16-Jul	20:22:32	20:45:35	00:23:03	100
4	477006	823091	17-Jul	04:53:59	05:30:02	00:36:03	100
4	477006	823091	17-Jul	20:22:47	20:44:25	00:21:38	100
4	477006	823091	18-Jul	04:53:59	05:30:45	00:36:46	100
4	477006	823091	18-Jul	20:23:04	20:43:12	00:20:08	100
4	477006	823091	19-Jul	04:54:00	05:31:23	00:37:22	100
4	477006	823091	19-Jul	20:23:24	20:41:56	00:18:32	100
4	477006	823091	20-Jul	04:54:04	05:31:56	00:37:52	100
4	477006	823091	20-Jul	20:23:47	20:40:38	00:16:51	100
4	477006	823091	21-Jul	04:54:11	05:32:25	00:38:15	100
4	477006	823091	21-Jul	20:24:15	20:39:18	00:15:03	100
4	477006	823091	22-Jul	04:54:20	05:32:51	00:38:31	100
4	477006	823091	22-Jul	20:24:47	20:37:55	00:13:08	100
4	477006	823091	23-Jul	04:54:42	05:33:12	00:38:30	100
4	477006	823091	23-Jul	20:25:25	20:36:30	00:11:05	100
4	477006	823091	24-Jul	04:56:11	05:33:29	00:37:18	100
4	477006	823091	24-Jul	20:26:09	20:35:02	00:08:52	100
4	477006	823091	25-Jul	04:57:42	05:33:42	00:36:00	100
4	477006	823091	25-Jul	20:27:03	20:33:32	00:06:28	100
4	477006	823091	26-Jul	04:59:13	05:33:51	00:34:37	100
4	477006	823091	26-Jul	20:28:10	20:31:59	00:03:49	100
4	477006	823091	27-Jul	05:00:46	05:33:55	00:33:09	100
4	477006	823091	27-Jul	20:29:37	20:30:25	00:00:47	77.95
4	477006	823091	28-Jul	05:02:20	05:33:55	00:31:35	100
4	477006	823091	29-Jul	05:03:54	05:33:50	00:29:55	100
4	477006	823091	30-Jul	05:05:30	05:33:39	00:28:10	100
4	477006	823091	30-Jul	05:35:29	05:46:45	00:11:17	41.42
4	477006	823091	31-Jul	05:07:06	05:48:54	00:41:48	100
4	477006	823091	01-Aug	05:08:43	05:50:23	00:41:40	100
4	477006	823091	02-Aug	05:10:21	05:51:30	00:41:09	100
4	477006	823091	03-Aug	05:11:59	05:52:23	00:40:24	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
4	477006	823091	04-Aug	05:13:38	05:53:08	00:39:30	100
4	477006	823091	05-Aug	05:15:17	05:53:44	00:38:26	100
4	477006	823091	06-Aug	05:16:57	05:57:16	00:40:18	100
4	477006	823091	07-Aug	05:18:38	05:59:12	00:40:35	100
4	477006	823091	08-Aug	05:20:19	05:23:19	00:03:00	90.29
4	477006	823091	08-Aug	05:26:19	06:00:33	00:34:15	100
4	477006	823091	09-Aug	05:25:59	06:01:34	00:35:34	100
4	477006	823091	10-Aug	05:25:47	06:03:22	00:37:35	100
4	477006	823091	11-Aug	05:25:40	06:05:07	00:39:27	100
4	477006	823091	12-Aug	05:27:07	06:06:21	00:39:14	100
4	477006	823091	13-Aug	05:28:50	06:07:14	00:38:25	100
4	477006	823091	14-Aug	05:30:33	06:07:56	00:37:23	100
4	477006	823091	15-Aug	05:32:16	06:08:26	00:36:10	100
4	477006	823091	16-Aug	05:33:59	06:08:46	00:34:47	100
4	477006	823091	17-Aug	05:35:43	06:08:56	00:33:13	100
4	477006	823091	18-Aug	05:37:27	06:08:58	00:31:30	100
4	477006	823091	19-Aug	05:39:12	06:16:18	00:37:06	100
4	477006	823091	20-Aug	05:40:56	06:18:39	00:37:43	100
4	477006	823091	21-Aug	05:42:41	06:20:05	00:37:25	100
4	477006	823091	22-Aug	05:44:25	06:21:04	00:36:39	100
4	477006	823091	23-Aug	05:46:10	06:21:44	00:35:34	100
4	477006	823091	24-Aug	05:47:55	06:22:11	00:34:16	100
4	477006	823091	25-Aug	05:49:40	06:22:27	00:32:47	100
4	477006	823091	26-Aug	05:51:25	06:22:31	00:31:06	100
4	477006	823091	27-Aug	05:53:10	06:22:26	00:29:16	100
4	477006	823091	28-Aug	05:54:55	06:22:10	00:27:15	78.75
4	477006	823091	29-Aug	05:56:40	06:21:44	00:25:04	100
4	477006	823091	30-Aug	05:58:26	06:21:08	00:22:42	100
4	477006	823091	31-Aug	06:00:11	06:20:20	00:20:09	100
4	477006	823091	01-Sep	06:01:56	06:19:19	00:17:23	100
4	477006	823091	02-Sep	06:03:41	06:18:02	00:14:21	100
4	477006	823091	03-Sep	06:05:27	06:16:33	00:11:06	100
4	477006	823091	04-Sep	06:07:12	06:14:38	00:07:25	100
4	477006	823091	05-Sep	06:08:58	06:11:52	00:02:54	55.01

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover	
5	476998	823635	There are no shadows cast by this turbine					
6	477564	823173	13-Mar	18:21:49	18:26:22	00:04:33	100	
6	477564	823173	14-Mar	18:19:44	18:28:17	00:08:33	100	
6	477564	823173	15-Mar	18:18:04	18:30:13	00:12:09	100	
6	477564	823173	16-Mar	18:16:41	18:32:07	00:15:27	100	
6	477564	823173	17-Mar	18:15:31	18:34:02	00:18:31	100	
6	477564	823173	18-Mar	18:14:33	18:35:56	00:21:23	100	
6	477564	823173	19-Mar	18:13:45	18:37:50	00:24:04	100	
6	477564	823173	20-Mar	18:13:07	18:39:44	00:26:37	100	
6	477564	823173	21-Mar	18:12:37	18:41:37	00:28:59	100	
6	477564	823173	22-Mar	18:12:16	18:43:30	00:31:14	100	
6	477564	823173	23-Mar	18:12:03	18:45:23	00:33:20	100	
6	477564	823173	24-Mar	18:11:59	18:47:16	00:35:17	100	
6	477564	823173	25-Mar	18:12:04	18:49:09	00:37:05	100	
6	477564	823173	26-Mar	18:12:18	18:51:01	00:38:43	100	
6	477564	823173	27-Mar	18:12:43	18:52:54	00:40:11	100	
6	477564	823173	28-Mar	18:13:14	18:54:46	00:41:31	100	
6	477564	823173	29-Mar	18:13:47	18:56:38	00:42:51	100	
6	477564	823173	30-Mar	18:14:33	18:58:29	00:43:56	100	
6	477564	823173	31-Mar	18:15:32	19:00:21	00:44:49	100	
6	477564	823173	01-Apr	18:15:59	19:02:12	00:46:12	100	
6	477564	823173	02-Apr	18:16:39	19:04:04	00:47:24	100	
6	477564	823173	03-Apr	18:17:33	19:05:55	00:48:22	100	
6	477564	823173	04-Apr	18:18:44	19:07:46	00:49:02	100	
6	477564	823173	05-Apr	18:20:15	19:09:37	00:49:22	100	
6	477564	823173	06-Apr	18:21:54	19:10:45	00:48:50	100	
6	477564	823173	07-Apr	18:24:18	19:09:41	00:45:23	77.28	
6	477564	823173	08-Apr	18:29:15	18:34:04	00:04:49	7.35	
6	477564	823173	08-Apr	18:41:29	18:43:33	00:02:04	1.58	
6	477564	823173	08-Apr	18:44:13	19:08:23	00:24:10	93.37	
6	477564	823173	09-Apr	18:47:01	19:06:53	00:19:52	100	
6	477564	823173	10-Apr	18:48:41	19:04:56	00:16:15	100	

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
6	477564	823173	11-Apr	18:50:55	19:02:10	00:11:15	56.61
6	477564	823173	30-Aug	18:51:16	19:01:04	00:09:48	42.1
6	477564	823173	31-Aug	18:48:11	19:03:31	00:15:20	100
6	477564	823173	01-Sep	18:45:54	19:04:59	00:19:06	100
6	477564	823173	02-Sep	18:42:46	19:05:58	00:23:12	74.81
6	477564	823173	03-Sep	18:22:39	19:06:41	00:44:02	55.82
6	477564	823173	04-Sep	18:19:18	19:07:11	00:47:54	100
6	477564	823173	05-Sep	18:16:52	19:06:13	00:49:22	100
6	477564	823173	06-Sep	18:14:44	19:03:47	00:49:03	100
6	477564	823173	07-Sep	18:12:49	19:01:21	00:48:32	100
6	477564	823173	08-Sep	18:11:12	18:58:54	00:47:42	100
6	477564	823173	09-Sep	18:09:50	18:56:26	00:46:37	100
6	477564	823173	10-Sep	18:08:39	18:53:59	00:45:19	100
6	477564	823173	11-Sep	18:07:17	18:51:31	00:44:14	100
6	477564	823173	12-Sep	18:05:46	18:49:02	00:43:17	100
6	477564	823173	13-Sep	18:04:28	18:46:33	00:42:05	100
6	477564	823173	14-Sep	18:03:20	18:44:04	00:40:44	100
6	477564	823173	15-Sep	18:02:11	18:41:35	00:39:24	100
6	477564	823173	16-Sep	18:01:13	18:39:06	00:37:53	100
6	477564	823173	17-Sep	18:00:24	18:36:36	00:36:12	100
6	477564	823173	18-Sep	17:59:44	18:34:06	00:34:22	100
6	477564	823173	19-Sep	17:59:13	18:31:37	00:32:24	100
6	477564	823173	20-Sep	17:58:50	18:29:07	00:30:17	100
6	477564	823173	21-Sep	17:58:35	18:26:37	00:28:02	100
6	477564	823173	22-Sep	17:58:29	18:24:06	00:25:38	100
6	477564	823173	23-Sep	17:58:32	18:21:36	00:23:05	100
6	477564	823173	24-Sep	17:58:44	18:19:06	00:20:22	100
6	477564	823173	25-Sep	17:59:07	18:16:36	00:17:29	100
6	477564	823173	26-Sep	17:59:42	18:14:06	00:14:24	100
6	477564	823173	27-Sep	18:00:31	18:11:36	00:11:05	100
6	477564	823173	28-Sep	18:01:40	18:09:06	00:07:27	100
6	477564	823173	29-Sep	18:03:15	18:06:37	00:03:22	100
7	477624	823705	23-Apr	19:38:45	19:42:33	00:03:48	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
7	477624	823705	24-Apr	19:37:01	19:44:21	00:07:20	100
7	477624	823705	25-Apr	19:35:37	19:46:10	00:10:32	100
7	477624	823705	26-Apr	19:34:28	19:47:58	00:13:30	100
7	477624	823705	27-Apr	19:33:30	19:49:46	00:16:16	100
7	477624	823705	28-Apr	19:32:42	19:51:33	00:18:52	100
7	477624	823705	29-Apr	19:32:02	19:53:21	00:21:19	100
7	477624	823705	30-Apr	19:31:29	19:55:08	00:23:38	100
7	477624	823705	01-May	19:31:04	19:56:54	00:25:50	100
7	477624	823705	02-May	19:30:44	19:58:40	00:27:56	100
7	477624	823705	03-May	19:30:31	20:00:26	00:29:55	100
7	477624	823705	04-May	19:30:23	20:02:11	00:31:48	100
7	477624	823705	05-May	19:30:15	20:03:56	00:33:40	100
7	477624	823705	06-May	19:30:12	20:05:40	00:35:27	100
7	477624	823705	07-May	19:30:14	20:07:23	00:37:09	100
7	477624	823705	08-May	19:30:21	20:09:06	00:38:45	100
7	477624	823705	09-May	19:30:33	20:10:48	00:40:15	100
7	477624	823705	10-May	19:30:49	20:12:29	00:41:40	100
7	477624	823705	11-May	19:31:10	20:14:09	00:42:59	100
7	477624	823705	12-May	19:31:37	20:15:49	00:44:12	100
7	477624	823705	13-May	19:32:08	20:16:23	00:44:15	100
7	477624	823705	14-May	19:32:44	20:16:18	00:43:34	100
7	477624	823705	15-May	19:33:26	20:16:11	00:42:45	100
7	477624	823705	16-May	19:34:14	20:16:02	00:41:47	100
7	477624	823705	17-May	19:35:10	20:15:50	00:40:40	100
7	477624	823705	18-May	19:36:13	20:15:35	00:39:22	100
7	477624	823705	19-May	19:37:26	20:15:18	00:37:52	100
7	477624	823705	20-May	19:38:45	20:14:59	00:36:14	100
7	477624	823705	21-May	19:40:07	20:14:37	00:34:31	100
7	477624	823705	22-May	19:41:08	20:14:14	00:33:06	100
7	477624	823705	23-May	19:41:43	20:13:48	00:32:05	100
7	477624	823705	24-May	19:42:22	20:13:24	00:31:02	100
7	477624	823705	25-May	19:43:05	20:12:58	00:29:53	100
7	477624	823705	26-May	19:43:50	20:12:30	00:28:40	100
7	477624	823705	27-May	19:44:40	20:11:59	00:27:20	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
7	477624	823705	28-May	19:45:33	20:11:28	00:25:55	100
7	477624	823705	29-May	19:46:30	20:10:53	00:24:23	100
7	477624	823705	30-May	19:47:32	20:10:16	00:22:44	100
7	477624	823705	31-May	19:48:33	20:09:36	00:21:03	100
7	477624	823705	01-Jun	19:49:33	20:08:53	00:19:20	100
7	477624	823705	02-Jun	19:50:38	20:08:06	00:17:28	94.88
7	477624	823705	03-Jun	19:51:49	20:07:14	00:15:25	72.71
7	477624	823705	04-Jun	19:53:08	20:06:14	00:13:06	51.76
7	477624	823705	05-Jun	19:54:39	20:05:02	00:10:23	32.03
7	477624	823705	06-Jun	19:56:37	20:03:25	00:06:48	13.53
7	477624	823705	04-Jul	20:04:01	20:07:32	00:03:32	3.62
7	477624	823705	05-Jul	20:01:42	20:10:13	00:08:31	21.32
7	477624	823705	06-Jul	20:00:20	20:11:57	00:11:37	40.24
7	477624	823705	07-Jul	19:59:15	20:13:22	00:14:07	60.35
7	477624	823705	08-Jul	19:58:20	20:14:38	00:16:18	81.65
7	477624	823705	09-Jul	19:57:30	20:15:46	00:18:16	100
7	477624	823705	10-Jul	19:56:46	20:16:49	00:20:03	100
7	477624	823705	11-Jul	19:56:05	20:17:47	00:21:43	100
7	477624	823705	12-Jul	19:55:18	20:18:42	00:23:24	100
7	477624	823705	13-Jul	19:54:33	20:19:33	00:24:59	100
7	477624	823705	14-Jul	19:53:52	20:20:21	00:26:28	100
7	477624	823705	15-Jul	19:53:14	20:21:05	00:27:51	100
7	477624	823705	16-Jul	19:52:39	20:21:47	00:29:08	100
7	477624	823705	17-Jul	19:52:06	20:22:25	00:30:19	100
7	477624	823705	18-Jul	19:51:36	20:23:01	00:31:25	100
7	477624	823705	19-Jul	19:51:08	20:23:35	00:32:27	100
7	477624	823705	20-Jul	19:50:42	20:24:08	00:33:26	100
7	477624	823705	21-Jul	19:49:32	20:24:38	00:35:06	100
7	477624	823705	22-Jul	19:48:21	20:25:04	00:36:43	100
7	477624	823705	23-Jul	19:47:07	20:25:28	00:38:21	100
7	477624	823705	24-Jul	19:46:01	20:25:48	00:39:46	100
7	477624	823705	25-Jul	19:45:04	20:26:04	00:41:00	100
7	477624	823705	26-Jul	19:44:13	20:26:17	00:42:04	100
7	477624	823705	27-Jul	19:43:27	20:26:26	00:42:59	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
7	477624	823705	28-Jul	19:42:46	20:26:32	00:43:46	100
7	477624	823705	29-Jul	19:42:10	20:26:33	00:44:24	100
7	477624	823705	30-Jul	19:41:37	20:25:28	00:43:51	100
7	477624	823705	31-Jul	19:41:08	20:23:45	00:42:37	100
7	477624	823705	01-Aug	19:40:42	20:22:00	00:41:18	100
7	477624	823705	02-Aug	19:40:20	20:20:13	00:39:53	100
7	477624	823705	03-Aug	19:40:02	20:18:24	00:38:23	100
7	477624	823705	04-Aug	19:39:47	20:16:34	00:36:47	100
7	477624	823705	05-Aug	19:39:35	20:14:42	00:35:06	100
7	477624	823705	06-Aug	19:39:28	20:12:48	00:33:20	100
7	477624	823705	07-Aug	19:39:23	20:10:52	00:31:29	100
7	477624	823705	08-Aug	19:39:18	20:08:55	00:29:37	100
7	477624	823705	09-Aug	19:39:17	20:06:56	00:27:39	100
7	477624	823705	10-Aug	19:39:21	20:04:56	00:25:34	100
7	477624	823705	11-Aug	19:39:30	20:02:54	00:23:23	100
7	477624	823705	12-Aug	19:39:45	20:00:51	00:21:05	100
7	477624	823705	13-Aug	19:40:06	19:58:46	00:18:40	100
7	477624	823705	14-Aug	19:40:34	19:56:40	00:16:06	100
7	477624	823705	15-Aug	19:41:11	19:54:33	00:13:22	100
7	477624	823705	16-Aug	19:41:58	19:52:24	00:10:26	100
7	477624	823705	17-Aug	19:42:59	19:50:15	00:07:16	100
7	477624	823705	18-Aug	19:44:18	19:48:04	00:03:47	100
8	476357	822557	21-Feb	08:00:30	08:06:44	00:06:14	26.6
8	476357	822557	22-Feb	07:58:12	08:10:24	00:12:12	95.64
8	476357	822557	23-Feb	07:55:53	08:12:35	00:16:43	100
8	476357	822557	24-Feb	07:53:33	08:14:10	00:20:38	100
8	476357	822557	25-Feb	07:51:12	08:15:22	00:24:10	100
8	476357	822557	26-Feb	07:48:51	08:16:17	00:27:26	100
8	476357	822557	27-Feb	07:46:29	08:17:05	00:30:36	100
8	476357	822557	28-Feb	07:44:06	08:17:41	00:33:34	100
8	476357	822557	01-Mar	07:41:43	08:18:05	00:36:22	100
8	476357	822557	02-Mar	07:39:19	08:18:20	00:39:01	100
8	476357	822557	03-Mar	07:36:55	08:18:25	00:41:31	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	04-Mar	07:34:30	08:18:22	00:43:52	100
8	476357	822557	05-Mar	07:32:05	08:18:10	00:46:05	100
8	476357	822557	06-Mar	07:29:39	08:17:48	00:48:10	100
8	476357	822557	07-Mar	07:27:12	08:17:18	00:50:06	100
8	476357	822557	08-Mar	07:24:46	08:16:39	00:51:53	100
8	476357	822557	09-Mar	07:22:56	08:15:50	00:52:53	100
8	476357	822557	10-Mar	07:19:51	08:14:49	00:54:57	35.32
8	476357	822557	11-Mar	07:17:24	08:13:35	00:56:11	100
8	476357	822557	12-Mar	07:14:56	08:12:06	00:57:10	100
8	476357	822557	13-Mar	07:12:28	08:10:16	00:57:49	100
8	476357	822557	14-Mar	07:09:59	08:08:39	00:58:40	100
8	476357	822557	15-Mar	07:07:31	08:07:24	00:59:54	100
8	476357	822557	16-Mar	07:05:02	08:05:55	01:00:53	100
8	476357	822557	17-Mar	07:02:34	08:04:08	01:01:34	100
8	476357	822557	18-Mar	07:00:05	08:02:21	01:02:17	100
8	476357	822557	19-Mar	06:57:36	08:00:31	01:02:55	100
8	476357	822557	20-Mar	06:55:07	07:58:47	01:03:40	100
8	476357	822557	21-Mar	06:52:38	07:57:26	01:04:47	100
8	476357	822557	22-Mar	06:50:10	07:55:49	01:05:40	100
8	476357	822557	23-Mar	06:47:41	07:53:55	01:06:14	100
8	476357	822557	24-Mar	06:45:12	07:51:38	01:06:25	100
8	476357	822557	25-Mar	06:42:44	07:49:13	01:06:29	100
8	476357	822557	26-Mar	06:40:16	07:46:01	01:05:45	100
8	476357	822557	27-Mar	06:37:48	07:40:43	01:02:55	100
8	476357	822557	28-Mar	06:35:20	07:40:03	01:04:43	100
8	476357	822557	29-Mar	06:32:52	07:39:16	01:06:24	100
8	476357	822557	30-Mar	06:30:25	07:38:21	01:07:56	100
8	476357	822557	31-Mar	06:27:58	07:37:18	01:09:20	100
8	476357	822557	01-Apr	06:25:31	07:36:06	01:10:35	100
8	476357	822557	02-Apr	06:24:11	07:34:43	01:10:31	100
8	476357	822557	03-Apr	06:23:14	07:33:07	01:09:53	100
8	476357	822557	04-Apr	06:22:25	07:31:16	01:08:50	100
8	476357	822557	05-Apr	06:21:44	07:29:03	01:07:19	100
8	476357	822557	06-Apr	06:21:09	07:27:15	01:06:05	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	07-Apr	06:20:41	07:25:50	01:05:09	100
8	476357	822557	08-Apr	06:20:20	07:24:13	01:03:54	100
8	476357	822557	09-Apr	06:20:05	07:22:21	01:02:17	100
8	476357	822557	10-Apr	06:03:51	06:17:27	00:13:36	46.55
8	476357	822557	10-Apr	06:19:56	07:20:10	01:00:14	100
8	476357	822557	11-Apr	06:01:29	07:18:01	01:16:32	100
8	476357	822557	12-Apr	05:59:08	07:15:23	01:16:15	100
8	476357	822557	12-Apr	19:19:31	19:22:29	00:02:58	52.12
8	476357	822557	13-Apr	05:56:48	07:11:49	01:15:01	100
8	476357	822557	13-Apr	19:16:45	19:24:19	00:07:34	100
8	476357	822557	14-Apr	05:54:28	07:10:35	01:16:07	100
8	476357	822557	14-Apr	19:14:51	19:26:09	00:11:18	100
8	476357	822557	15-Apr	05:52:09	07:09:30	01:17:20	100
8	476357	822557	15-Apr	19:13:23	19:27:59	00:14:35	100
8	476357	822557	16-Apr	05:49:51	07:08:16	01:18:24	100
8	476357	822557	16-Apr	19:12:15	19:29:48	00:17:33	100
8	476357	822557	17-Apr	05:47:34	07:06:53	01:19:19	100
8	476357	822557	17-Apr	19:11:21	19:31:38	00:20:17	100
8	476357	822557	18-Apr	05:45:18	07:05:19	01:20:01	100
8	476357	822557	18-Apr	19:10:39	19:33:27	00:22:49	100
8	476357	822557	19-Apr	05:43:03	07:03:31	01:20:28	100
8	476357	822557	19-Apr	19:10:07	19:35:17	00:25:10	100
8	476357	822557	20-Apr	05:40:48	07:01:24	01:20:36	100
8	476357	822557	20-Apr	19:09:39	19:37:06	00:27:27	100
8	476357	822557	21-Apr	05:38:35	06:58:49	01:20:14	100
8	476357	822557	21-Apr	19:09:21	19:37:38	00:28:18	100
8	476357	822557	22-Apr	05:36:23	06:55:19	01:18:56	100
8	476357	822557	22-Apr	19:09:11	19:37:26	00:28:15	100
8	476357	822557	23-Apr	05:34:12	06:48:51	01:14:39	100
8	476357	822557	23-Apr	19:09:10	19:37:05	00:27:55	100
8	476357	822557	24-Apr	05:32:02	06:32:43	01:00:41	100
8	476357	822557	24-Apr	19:09:19	19:36:37	00:27:18	100
8	476357	822557	25-Apr	05:29:53	06:32:50	01:02:57	100
8	476357	822557	25-Apr	19:09:36	19:36:00	00:26:24	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	26-Apr	05:27:45	06:32:52	01:05:07	100
8	476357	822557	26-Apr	19:10:04	19:35:14	00:25:10	100
8	476357	822557	27-Apr	05:25:39	06:32:51	01:07:12	100
8	476357	822557	27-Apr	19:10:44	19:34:17	00:23:33	100
8	476357	822557	28-Apr	05:23:48	06:32:46	01:08:58	100
8	476357	822557	28-Apr	19:11:38	19:33:13	00:21:35	100
8	476357	822557	29-Apr	05:22:37	06:32:39	01:10:01	100
8	476357	822557	29-Apr	19:12:50	19:31:57	00:19:06	100
8	476357	822557	30-Apr	05:21:35	06:32:30	01:10:55	100
8	476357	822557	30-Apr	19:14:26	19:30:20	00:15:54	100
8	476357	822557	01-May	05:20:40	06:32:17	01:11:37	100
8	476357	822557	01-May	19:16:23	19:28:08	00:11:46	60.6
8	476357	822557	02-May	05:19:51	06:32:02	01:12:11	100
8	476357	822557	02-May	19:20:20	19:23:56	00:03:36	5.39
8	476357	822557	03-May	05:19:09	06:31:44	01:12:35	100
8	476357	822557	04-May	05:18:32	06:31:23	01:12:51	100
8	476357	822557	05-May	05:17:59	06:30:59	01:12:59	100
8	476357	822557	06-May	05:17:32	06:30:32	01:12:59	100
8	476357	822557	07-May	05:17:09	06:30:02	01:12:53	100
8	476357	822557	08-May	05:16:50	06:29:30	01:12:39	100
8	476357	822557	09-May	05:16:36	06:28:54	01:12:18	100
8	476357	822557	10-May	05:16:24	06:28:16	01:11:51	100
8	476357	822557	11-May	05:16:17	06:27:34	01:11:17	100
8	476357	822557	12-May	05:16:13	06:26:49	01:10:37	100
8	476357	822557	13-May	05:16:12	06:26:01	01:09:49	100
8	476357	822557	14-May	05:16:14	06:25:09	01:08:55	100
8	476357	822557	15-May	05:16:19	06:24:12	01:07:53	100
8	476357	822557	16-May	05:16:27	06:23:11	01:06:44	100
8	476357	822557	17-May	05:16:38	06:22:04	01:05:26	100
8	476357	822557	18-May	05:16:51	06:20:51	01:03:59	100
8	476357	822557	19-May	05:17:07	06:19:28	01:02:21	100
8	476357	822557	20-May	05:17:25	06:18:18	01:00:53	100
8	476357	822557	21-May	05:17:46	06:17:35	00:59:49	100
8	476357	822557	22-May	05:18:08	06:16:49	00:58:41	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	23-May	05:18:33	06:16:01	00:57:28	100
8	476357	822557	24-May	05:18:59	06:15:09	00:56:09	100
8	476357	822557	25-May	05:19:28	06:14:13	00:54:45	100
8	476357	822557	26-May	05:19:58	06:13:13	00:53:14	100
8	476357	822557	27-May	05:20:30	06:12:07	00:51:37	100
8	476357	822557	28-May	05:21:03	06:10:53	00:49:50	100
8	476357	822557	29-May	05:21:37	06:09:30	00:47:53	100
8	476357	822557	30-May	05:22:13	06:08:23	00:46:10	100
8	476357	822557	31-May	05:22:49	06:08:05	00:45:16	100
8	476357	822557	01-Jun	05:23:26	06:07:47	00:44:21	100
8	476357	822557	02-Jun	05:24:04	06:07:29	00:43:25	100
8	476357	822557	03-Jun	05:24:43	06:07:12	00:42:29	100
8	476357	822557	04-Jun	05:25:22	06:06:54	00:41:33	100
8	476357	822557	05-Jun	05:26:01	06:06:37	00:40:37	100
8	476357	822557	06-Jun	05:26:40	06:06:21	00:39:41	100
8	476357	822557	07-Jun	05:27:18	06:06:05	00:38:47	100
8	476357	822557	08-Jun	05:27:57	06:05:50	00:37:54	100
8	476357	822557	09-Jun	05:28:35	06:05:37	00:37:02	100
8	476357	822557	10-Jun	05:29:12	06:05:24	00:36:12	100
8	476357	822557	11-Jun	05:29:48	06:05:13	00:35:25	100
8	476357	822557	12-Jun	05:30:22	06:05:03	00:34:41	100
8	476357	822557	13-Jun	05:30:56	06:04:55	00:33:59	100
8	476357	822557	14-Jun	05:31:27	06:04:49	00:33:22	100
8	476357	822557	15-Jun	05:31:57	06:04:45	00:32:48	100
8	476357	822557	16-Jun	05:32:24	06:04:44	00:32:19	100
8	476357	822557	17-Jun	05:32:50	06:04:45	00:31:55	100
8	476357	822557	18-Jun	05:33:12	06:04:48	00:31:36	100
8	476357	822557	19-Jun	05:33:32	06:04:55	00:31:23	100
8	476357	822557	20-Jun	05:33:49	06:05:04	00:31:15	100
8	476357	822557	21-Jun	05:34:03	06:05:16	00:31:13	100
8	476357	822557	22-Jun	05:34:15	06:05:31	00:31:17	100
8	476357	822557	23-Jun	05:34:23	06:05:49	00:31:26	100
8	476357	822557	24-Jun	05:34:29	06:06:10	00:31:41	100
8	476357	822557	25-Jun	05:34:31	06:06:33	00:32:01	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	26-Jun	05:34:31	06:06:58	00:32:27	100
8	476357	822557	27-Jun	05:34:29	06:07:26	00:32:57	100
8	476357	822557	28-Jun	05:34:24	06:07:55	00:33:31	100
8	476357	822557	29-Jun	05:34:17	06:08:27	00:34:10	100
8	476357	822557	30-Jun	05:34:08	06:08:59	00:34:52	100
8	476357	822557	01-Jul	05:33:56	06:09:34	00:35:37	100
8	476357	822557	02-Jul	05:33:44	06:10:09	00:36:25	100
8	476357	822557	03-Jul	05:33:29	06:10:44	00:37:15	100
8	476357	822557	04-Jul	05:33:14	06:11:21	00:38:07	100
8	476357	822557	05-Jul	05:32:57	06:11:58	00:39:00	100
8	476357	822557	06-Jul	05:32:40	06:12:35	00:39:55	100
8	476357	822557	07-Jul	05:32:21	06:13:12	00:40:50	100
8	476357	822557	08-Jul	05:32:02	06:13:48	00:41:46	100
8	476357	822557	09-Jul	05:31:43	06:14:25	00:42:42	100
8	476357	822557	10-Jul	05:31:23	06:15:01	00:43:38	100
8	476357	822557	11-Jul	05:31:03	06:15:36	00:44:33	100
8	476357	822557	12-Jul	05:30:42	06:16:10	00:45:28	100
8	476357	822557	13-Jul	05:30:22	06:16:43	00:46:21	100
8	476357	822557	14-Jul	05:30:02	06:18:22	00:48:20	100
8	476357	822557	15-Jul	05:29:42	06:19:56	00:50:14	100
8	476357	822557	16-Jul	05:29:22	06:21:20	00:51:58	100
8	476357	822557	17-Jul	05:29:03	06:22:37	00:53:33	100
8	476357	822557	18-Jul	05:28:45	06:23:47	00:55:02	100
8	476357	822557	19-Jul	05:28:27	06:24:51	00:56:24	100
8	476357	822557	20-Jul	05:28:10	06:25:51	00:57:42	100
8	476357	822557	21-Jul	05:27:53	06:26:47	00:58:54	100
8	476357	822557	22-Jul	05:27:38	06:27:39	01:00:01	100
8	476357	822557	23-Jul	05:27:24	06:28:27	01:01:03	100
8	476357	822557	24-Jul	05:27:10	06:29:49	01:02:38	100
8	476357	822557	25-Jul	05:26:58	06:31:13	01:04:14	100
8	476357	822557	26-Jul	05:26:48	06:32:27	01:05:39	100
8	476357	822557	27-Jul	05:26:38	06:33:34	01:06:55	100
8	476357	822557	28-Jul	05:26:31	06:34:34	01:08:03	100
8	476357	822557	29-Jul	05:26:24	06:35:28	01:09:03	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	30-Jul	05:26:20	06:36:16	01:09:56	100
8	476357	822557	31-Jul	05:26:17	06:37:00	01:10:43	100
8	476357	822557	01-Aug	05:26:17	06:37:39	01:11:23	100
8	476357	822557	02-Aug	05:26:18	06:38:14	01:11:56	100
8	476357	822557	03-Aug	05:26:22	06:38:45	01:12:22	100
8	476357	822557	04-Aug	05:26:29	06:39:11	01:12:43	100
8	476357	822557	05-Aug	05:26:38	06:39:34	01:12:56	100
8	476357	822557	06-Aug	05:26:50	06:39:52	01:13:02	100
8	476357	822557	07-Aug	05:27:05	06:40:07	01:13:02	100
8	476357	822557	08-Aug	05:27:24	06:40:17	01:12:54	100
8	476357	822557	09-Aug	05:27:46	06:40:24	01:12:38	100
8	476357	822557	09-Aug	19:28:07	19:33:16	00:05:09	11.08
8	476357	822557	10-Aug	05:28:13	06:40:27	01:12:14	100
8	476357	822557	10-Aug	19:24:26	19:36:40	00:12:13	65.37
8	476357	822557	11-Aug	05:28:44	06:40:26	01:11:42	100
8	476357	822557	11-Aug	19:22:19	19:38:29	00:16:10	100
8	476357	822557	12-Aug	05:29:20	06:40:21	01:11:00	100
8	476357	822557	12-Aug	19:20:27	19:39:45	00:19:18	100
8	476357	822557	13-Aug	05:30:03	06:40:11	01:10:08	100
8	476357	822557	13-Aug	19:18:58	19:40:40	00:21:43	100
8	476357	822557	14-Aug	05:30:53	06:39:59	01:09:07	100
8	476357	822557	14-Aug	19:17:45	19:41:23	00:23:38	100
8	476357	822557	15-Aug	05:32:16	06:39:44	01:07:28	100
8	476357	822557	15-Aug	19:16:45	19:41:58	00:25:12	100
8	476357	822557	16-Aug	05:33:59	06:39:24	01:05:24	100
8	476357	822557	16-Aug	19:15:56	19:42:21	00:26:25	100
8	476357	822557	17-Aug	05:35:43	06:38:59	01:03:16	100
8	476357	822557	17-Aug	19:15:15	19:42:34	00:27:19	100
8	476357	822557	18-Aug	05:37:27	06:38:30	01:01:02	100
8	476357	822557	18-Aug	19:14:43	19:42:38	00:27:55	100
8	476357	822557	19-Aug	05:39:12	06:37:55	00:58:43	100
8	476357	822557	19-Aug	06:38:06	06:53:42	00:15:35	42.32
8	476357	822557	19-Aug	19:14:18	19:42:34	00:28:15	100
8	476357	822557	20-Aug	05:40:56	06:59:56	01:18:59	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	20-Aug	19:14:02	19:42:20	00:28:19	100
8	476357	822557	21-Aug	05:42:41	07:03:04	01:20:24	100
8	476357	822557	21-Aug	19:13:53	19:41:25	00:27:33	100
8	476357	822557	22-Aug	05:44:25	07:05:14	01:20:49	100
8	476357	822557	22-Aug	19:13:52	19:39:10	00:25:18	100
8	476357	822557	23-Aug	05:46:10	07:06:54	01:20:44	100
8	476357	822557	23-Aug	19:13:54	19:36:54	00:22:59	100
8	476357	822557	24-Aug	05:47:55	07:08:13	01:20:18	100
8	476357	822557	24-Aug	19:14:05	19:34:37	00:20:32	100
8	476357	822557	25-Aug	05:49:40	07:09:18	01:19:38	100
8	476357	822557	25-Aug	19:14:27	19:32:19	00:17:52	100
8	476357	822557	26-Aug	05:51:25	07:10:11	01:18:46	100
8	476357	822557	26-Aug	19:15:02	19:30:01	00:14:59	100
8	476357	822557	27-Aug	05:53:10	07:10:54	01:17:44	100
8	476357	822557	27-Aug	19:15:54	19:27:41	00:11:48	100
8	476357	822557	28-Aug	05:54:55	07:11:28	01:16:32	100
8	476357	822557	28-Aug	19:17:09	19:25:21	00:08:12	100
8	476357	822557	29-Aug	05:56:40	07:11:54	01:15:13	100
8	476357	822557	29-Aug	19:19:08	19:22:59	00:03:52	62.9
8	476357	822557	30-Aug	05:58:26	07:14:46	01:16:21	100
8	476357	822557	31-Aug	06:00:11	07:16:56	01:16:45	100
8	476357	822557	01-Sep	06:01:56	06:17:31	00:15:35	67.04
8	476357	822557	01-Sep	06:18:42	07:18:33	00:59:51	100
8	476357	822557	02-Sep	06:18:14	07:20:07	01:01:53	100
8	476357	822557	03-Sep	06:17:51	07:21:26	01:03:35	100
8	476357	822557	04-Sep	06:17:34	07:22:28	01:04:54	100
8	476357	822557	05-Sep	06:17:23	07:23:18	01:05:55	100
8	476357	822557	06-Sep	06:17:18	07:24:16	01:06:58	100
8	476357	822557	07-Sep	06:17:19	07:25:50	01:08:32	100
8	476357	822557	08-Sep	06:17:26	07:27:08	01:09:41	100
8	476357	822557	09-Sep	06:17:41	07:28:08	01:10:27	100
8	476357	822557	10-Sep	06:18:04	07:28:55	01:10:51	100
8	476357	822557	11-Sep	06:19:32	07:29:31	01:09:59	100
8	476357	822557	12-Sep	06:21:18	07:29:57	01:08:39	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	13-Sep	06:23:05	07:30:15	01:07:10	100
8	476357	822557	14-Sep	06:24:51	07:30:25	01:05:34	100
8	476357	822557	15-Sep	06:26:38	07:30:28	01:03:50	100
8	476357	822557	16-Sep	06:28:25	07:33:37	01:05:13	100
8	476357	822557	17-Sep	06:30:12	07:36:43	01:06:32	100
8	476357	822557	18-Sep	06:31:59	07:38:43	01:06:44	100
8	476357	822557	19-Sep	06:33:47	07:40:20	01:06:33	100
8	476357	822557	20-Sep	06:35:34	07:41:44	01:06:10	100
8	476357	822557	21-Sep	06:37:22	07:42:48	01:05:26	100
8	476357	822557	22-Sep	06:39:10	07:43:36	01:04:26	100
8	476357	822557	23-Sep	06:40:59	07:44:15	01:03:16	100
8	476357	822557	24-Sep	06:42:48	07:45:38	01:02:50	100
8	476357	822557	25-Sep	06:44:37	07:46:39	01:02:03	100
8	476357	822557	26-Sep	06:46:26	07:47:55	01:01:29	100
8	476357	822557	27-Sep	06:48:15	07:48:54	01:00:39	100
8	476357	822557	28-Sep	06:50:05	07:49:39	00:59:33	100
8	476357	822557	29-Sep	06:51:55	07:50:10	00:58:15	100
8	476357	822557	30-Sep	06:53:46	07:51:32	00:57:46	100
8	476357	822557	01-Oct	06:55:37	07:52:36	00:56:59	100
8	476357	822557	02-Oct	06:57:28	07:53:22	00:55:54	85.35
8	476357	822557	03-Oct	06:59:19	07:53:55	00:54:36	12.93
8	476357	822557	04-Oct	07:01:21	07:54:17	00:52:56	100
8	476357	822557	05-Oct	07:03:03	07:54:29	00:51:26	100
8	476357	822557	06-Oct	07:04:56	07:54:33	00:49:37	100
8	476357	822557	07-Oct	07:06:49	07:54:28	00:47:40	100
8	476357	822557	08-Oct	07:08:42	07:54:16	00:45:34	100
8	476357	822557	09-Oct	07:10:36	07:53:56	00:43:20	100
8	476357	822557	10-Oct	07:12:30	07:53:28	00:40:58	100
8	476357	822557	11-Oct	07:14:25	07:52:53	00:38:28	100
8	476357	822557	12-Oct	07:16:20	07:52:09	00:35:49	100
8	476357	822557	13-Oct	07:18:15	07:51:16	00:33:01	100
8	476357	822557	14-Oct	07:20:12	07:50:14	00:30:02	100
8	476357	822557	15-Oct	07:22:08	07:49:02	00:26:54	100
8	476357	822557	16-Oct	07:24:05	07:47:43	00:23:38	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
8	476357	822557	17-Oct	07:26:03	07:46:08	00:20:05	100
8	476357	822557	18-Oct	07:28:00	07:44:10	00:16:09	100
8	476357	822557	19-Oct	07:29:59	07:41:34	00:11:36	87.18
8	476357	822557	20-Oct	07:31:58	07:37:19	00:05:22	19.58
9	476464	822151	28-Jan	08:49:26	08:50:47	00:01:21	7.8
9	476464	822151	29-Jan	08:47:43	08:54:46	00:07:03	58.88
9	476464	822151	30-Jan	08:45:58	08:57:00	00:11:02	100
9	476464	822151	31-Jan	08:44:11	08:58:41	00:14:29	100
9	476464	822151	01-Feb	08:42:22	09:00:01	00:17:39	100
9	476464	822151	02-Feb	08:40:31	09:01:07	00:20:35	100
9	476464	822151	03-Feb	08:38:39	09:02:01	00:23:22	100
9	476464	822151	04-Feb	08:36:44	09:02:49	00:26:05	100
9	476464	822151	05-Feb	08:34:48	09:03:29	00:28:41	100
9	476464	822151	06-Feb	08:32:49	09:03:59	00:31:11	100
9	476464	822151	07-Feb	08:30:50	09:04:23	00:33:33	100
9	476464	822151	08-Feb	08:28:48	09:04:38	00:35:50	100
9	476464	822151	09-Feb	08:26:45	09:04:45	00:37:59	100
9	476464	822151	10-Feb	08:24:41	09:04:44	00:40:03	100
9	476464	822151	11-Feb	08:22:35	09:04:34	00:41:59	100
9	476464	822151	12-Feb	08:20:28	09:04:16	00:43:49	100
9	476464	822151	13-Feb	08:18:19	09:03:49	00:45:30	100
9	476464	822151	14-Feb	08:16:09	09:03:11	00:47:02	100
9	476464	822151	15-Feb	08:13:58	09:02:27	00:48:29	100
9	476464	822151	16-Feb	08:11:46	09:01:45	00:49:59	100
9	476464	822151	17-Feb	08:09:33	09:00:52	00:51:19	100
9	476464	822151	18-Feb	08:07:19	08:59:43	00:52:25	100
9	476464	822151	19-Feb	08:05:03	08:58:35	00:53:32	100
9	476464	822151	20-Feb	08:02:47	08:57:35	00:54:48	100
9	476464	822151	21-Feb	08:00:30	08:56:21	00:55:51	100
9	476464	822151	22-Feb	07:58:12	08:54:47	00:56:36	100
9	476464	822151	23-Feb	07:55:53	08:52:46	00:56:53	100
9	476464	822151	24-Feb	07:53:33	08:50:30	00:56:57	100
9	476464	822151	25-Feb	07:51:12	08:48:35	00:57:22	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
9	476464	822151	26-Feb	07:49:09	08:47:37	00:58:28	100
9	476464	822151	27-Feb	07:48:17	08:46:27	00:58:10	100
9	476464	822151	28-Feb	07:44:06	08:45:02	01:00:56	61.79
9	476464	822151	01-Mar	07:41:43	08:43:17	01:01:34	100
9	476464	822151	02-Mar	07:39:19	08:41:56	01:02:37	100
9	476464	822151	03-Mar	07:36:55	08:40:19	01:03:24	100
9	476464	822151	04-Mar	07:34:30	08:38:18	01:03:48	100
9	476464	822151	05-Mar	07:32:05	08:36:04	01:03:59	100
9	476464	822151	06-Mar	07:29:39	08:33:13	01:03:34	100
9	476464	822151	07-Mar	07:27:12	08:31:59	01:04:47	100
9	476464	822151	08-Mar	07:24:46	08:30:32	01:05:46	100
9	476464	822151	09-Mar	07:22:19	08:28:46	01:06:28	100
9	476464	822151	10-Mar	07:19:51	08:26:37	01:06:46	100
9	476464	822151	11-Mar	07:17:24	08:24:22	01:06:59	100
9	476464	822151	12-Mar	07:14:56	08:21:25	01:06:29	100
9	476464	822151	13-Mar	07:13:02	08:16:26	01:03:23	100
9	476464	822151	14-Mar	07:11:34	08:13:45	01:02:11	100
9	476464	822151	15-Mar	07:10:17	08:10:34	01:00:16	100
9	476464	822151	16-Mar	07:09:11	08:09:05	00:59:54	100
9	476464	822151	17-Mar	07:08:13	08:08:29	01:00:16	100
9	476464	822151	18-Mar	07:07:23	08:07:45	01:00:22	100
9	476464	822151	19-Mar	07:06:40	08:06:53	01:00:13	100
9	476464	822151	20-Mar	07:06:05	08:05:53	00:59:48	100
9	476464	822151	20-Mar	18:39:29	18:39:44	00:00:14	7.34
9	476464	822151	21-Mar	07:05:36	08:04:43	00:59:07	100
9	476464	822151	21-Mar	18:34:26	18:41:37	00:07:11	81.7
9	476464	822151	22-Mar	07:05:14	08:03:22	00:58:08	100
9	476464	822151	22-Mar	18:31:47	18:43:30	00:11:43	100
9	476464	822151	23-Mar	07:04:58	08:01:48	00:56:50	100
9	476464	822151	23-Mar	18:29:50	18:45:23	00:15:33	100
9	476464	822151	24-Mar	07:04:49	07:59:58	00:55:08	100
9	476464	822151	24-Mar	18:28:18	18:47:16	00:18:58	100
9	476464	822151	25-Mar	07:04:47	07:57:46	00:52:58	100
9	476464	822151	25-Mar	18:26:57	18:49:09	00:22:12	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
9	476464	822151	26-Mar	07:04:52	07:56:00	00:51:08	100
9	476464	822151	26-Mar	18:25:52	18:51:01	00:25:10	100
9	476464	822151	27-Mar	07:05:04	07:54:12	00:49:08	100
9	476464	822151	27-Mar	18:24:59	18:52:54	00:27:54	100
9	476464	822151	28-Mar	07:05:24	07:52:02	00:46:39	100
9	476464	822151	28-Mar	18:24:19	18:54:46	00:30:27	100
9	476464	822151	29-Mar	07:05:52	07:49:52	00:43:59	100
9	476464	822151	29-Mar	18:23:48	18:56:38	00:32:49	100
9	476464	822151	30-Mar	07:06:30	07:47:27	00:40:57	100
9	476464	822151	30-Mar	18:23:28	18:58:29	00:35:01	100
9	476464	822151	31-Mar	07:07:19	07:45:59	00:38:40	100
9	476464	822151	31-Mar	18:23:18	19:00:21	00:37:03	100
9	476464	822151	01-Apr	07:08:21	07:44:17	00:35:56	100
9	476464	822151	01-Apr	18:23:19	19:02:12	00:38:54	100
9	476464	822151	02-Apr	07:09:29	07:42:18	00:32:49	100
9	476464	822151	02-Apr	18:23:30	19:04:04	00:40:34	100
9	476464	822151	03-Apr	07:10:51	07:40:08	00:29:17	100
9	476464	822151	03-Apr	18:23:53	19:05:55	00:42:02	100
9	476464	822151	04-Apr	07:12:36	07:37:47	00:25:11	100
9	476464	822151	04-Apr	18:24:29	19:07:46	00:43:16	100
9	476464	822151	05-Apr	07:14:59	07:34:49	00:19:49	100
9	476464	822151	05-Apr	18:25:23	19:09:37	00:44:14	100
9	476464	822151	06-Apr	07:18:49	07:30:25	00:11:36	35.05
9	476464	822151	06-Apr	18:26:40	19:11:27	00:44:47	100
9	476464	822151	07-Apr	18:28:20	19:13:18	00:44:58	100
9	476464	822151	08-Apr	18:30:34	19:13:20	00:42:46	64.73
9	476464	822151	09-Apr	18:39:45	19:12:52	00:33:07	100
9	476464	822151	10-Apr	18:40:30	19:12:13	00:31:42	100
9	476464	822151	11-Apr	18:41:38	19:11:22	00:29:44	100
9	476464	822151	12-Apr	18:43:12	19:10:18	00:27:06	100
9	476464	822151	13-Apr	18:45:11	19:09:00	00:23:49	68.19
9	476464	822151	14-Apr	18:49:53	19:07:26	00:17:33	100
9	476464	822151	15-Apr	18:51:35	19:05:21	00:13:46	93.14
9	476464	822151	16-Apr	18:54:24	19:02:03	00:07:39	27.04

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
9	476464	822151	25-Aug	18:57:25	19:03:42	00:06:17	17.93
9	476464	822151	26-Aug	18:53:44	19:06:49	00:13:05	82.61
9	476464	822151	27-Aug	18:51:29	19:08:28	00:16:59	100
9	476464	822151	28-Aug	18:46:29	19:09:32	00:23:03	55.19
9	476464	822151	29-Aug	18:43:45	19:10:17	00:26:32	100
9	476464	822151	30-Aug	18:41:36	19:10:50	00:29:14	100
9	476464	822151	31-Aug	18:39:50	19:11:08	00:31:19	100
9	476464	822151	01-Sep	18:38:25	19:11:14	00:32:49	100
9	476464	822151	02-Sep	18:29:25	19:11:09	00:41:44	44.98
9	476464	822151	03-Sep	18:26:13	19:10:52	00:44:39	100
9	476464	822151	04-Sep	18:23:54	19:08:39	00:44:45	100
9	476464	822151	05-Sep	07:16:52	07:25:04	00:08:12	17.21
9	476464	822151	05-Sep	18:21:52	19:06:13	00:44:22	100
9	476464	822151	06-Sep	07:11:36	07:29:40	00:18:04	86.43
9	476464	822151	06-Sep	18:20:15	19:03:47	00:43:33	100
9	476464	822151	07-Sep	07:08:22	07:32:13	00:23:50	100
9	476464	822151	07-Sep	18:18:55	19:01:21	00:42:25	100
9	476464	822151	08-Sep	07:05:52	07:34:02	00:28:10	100
9	476464	822151	08-Sep	18:17:50	18:58:54	00:41:04	100
9	476464	822151	09-Sep	07:03:47	07:35:31	00:31:44	100
9	476464	822151	09-Sep	18:16:56	18:56:26	00:39:30	100
9	476464	822151	10-Sep	07:01:59	07:36:57	00:34:57	100
9	476464	822151	10-Sep	18:16:13	18:53:59	00:37:45	100
9	476464	822151	11-Sep	07:00:16	07:38:03	00:37:47	100
9	476464	822151	11-Sep	18:15:40	18:51:31	00:35:50	100
9	476464	822151	12-Sep	06:58:45	07:38:56	00:40:11	100
9	476464	822151	12-Sep	18:15:16	18:49:02	00:33:46	100
9	476464	822151	13-Sep	06:57:24	07:40:19	00:42:54	100
9	476464	822151	13-Sep	18:15:02	18:46:33	00:31:31	100
9	476464	822151	14-Sep	06:56:14	07:41:55	00:45:41	100
9	476464	822151	14-Sep	18:14:58	18:44:04	00:29:06	100
9	476464	822151	15-Sep	06:55:11	07:43:26	00:48:14	100
9	476464	822151	15-Sep	18:15:05	18:41:35	00:26:30	100
9	476464	822151	16-Sep	06:54:17	07:44:40	00:50:23	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
9	476464	822151	16-Sep	18:15:23	18:39:06	00:23:43	100
9	476464	822151	17-Sep	06:53:30	07:45:38	00:52:09	100
9	476464	822151	17-Sep	18:15:55	18:36:36	00:20:41	100
9	476464	822151	18-Sep	06:52:50	07:47:08	00:54:18	100
9	476464	822151	18-Sep	18:16:41	18:34:06	00:17:26	100
9	476464	822151	19-Sep	06:52:16	07:48:26	00:56:10	100
9	476464	822151	19-Sep	18:17:42	18:31:37	00:13:54	100
9	476464	822151	20-Sep	06:51:49	07:49:26	00:57:37	100
9	476464	822151	20-Sep	18:19:13	18:29:07	00:09:53	100
9	476464	822151	21-Sep	06:51:29	07:50:12	00:58:44	100
9	476464	822151	21-Sep	18:21:43	18:26:37	00:04:54	50.21
9	476464	822151	22-Sep	06:51:15	07:50:47	00:59:33	100
9	476464	822151	23-Sep	06:51:07	07:51:13	01:00:06	100
9	476464	822151	24-Sep	06:51:07	07:51:30	01:00:23	100
9	476464	822151	25-Sep	06:51:14	07:51:39	01:00:25	100
9	476464	822151	26-Sep	06:51:29	07:51:40	01:00:12	100
9	476464	822151	27-Sep	06:51:52	07:51:35	00:59:44	100
9	476464	822151	28-Sep	06:52:24	07:53:49	01:01:25	100
9	476464	822151	29-Sep	06:53:07	07:55:54	01:02:47	100
9	476464	822151	30-Sep	06:54:02	07:59:31	01:05:29	100
9	476464	822151	01-Oct	06:55:37	08:02:38	01:07:01	100
9	476464	822151	02-Oct	06:57:28	08:04:38	01:07:10	100
9	476464	822151	03-Oct	06:59:19	08:06:14	01:06:54	100
9	476464	822151	04-Oct	07:01:11	08:07:37	01:06:26	100
9	476464	822151	05-Oct	07:03:03	08:08:41	01:05:38	100
9	476464	822151	06-Oct	07:04:56	08:09:30	01:04:34	100
9	476464	822151	07-Oct	07:06:49	08:10:50	01:04:02	100
9	476464	822151	08-Oct	07:08:42	08:12:51	01:04:09	100
9	476464	822151	09-Oct	07:10:36	08:14:31	01:03:55	100
9	476464	822151	10-Oct	07:12:30	08:15:54	01:03:23	100
9	476464	822151	11-Oct	07:14:25	08:16:57	01:02:32	100
9	476464	822151	12-Oct	07:16:20	08:17:57	01:01:37	100
9	476464	822151	13-Oct	07:18:15	08:19:09	01:00:53	48.22
9	476464	822151	14-Oct	07:21:43	08:20:04	00:58:21	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
9	476464	822151	15-Oct	07:22:12	08:20:46	00:58:34	100
9	476464	822151	16-Oct	07:24:05	08:21:17	00:57:12	100
9	476464	822151	17-Oct	07:26:03	08:23:13	00:57:11	100
9	476464	822151	18-Oct	07:28:00	08:25:03	00:57:03	100
9	476464	822151	19-Oct	07:29:59	08:26:38	00:56:39	100
9	476464	822151	20-Oct	07:31:58	08:27:49	00:55:51	100
9	476464	822151	21-Oct	07:33:57	08:28:43	00:54:46	100
9	476464	822151	22-Oct	07:35:56	08:29:25	00:53:28	100
9	476464	822151	23-Oct	07:37:56	08:30:22	00:52:26	100
9	476464	822151	24-Oct	07:39:57	08:31:15	00:51:18	100
9	476464	822151	25-Oct	07:41:57	08:31:55	00:49:58	100
9	476464	822151	26-Oct	07:43:58	08:32:25	00:48:27	100
9	476464	822151	27-Oct	07:45:59	08:33:01	00:47:01	100
9	476464	822151	28-Oct	07:48:01	08:33:30	00:45:29	100
9	476464	822151	29-Oct	07:50:03	08:33:51	00:43:48	100
9	476464	822151	30-Oct	07:52:05	08:34:04	00:41:59	100
9	476464	822151	31-Oct	07:54:07	08:34:10	00:40:03	100
9	476464	822151	01-Nov	07:56:09	08:34:10	00:38:01	100
9	476464	822151	02-Nov	07:58:12	08:34:04	00:35:52	100
9	476464	822151	03-Nov	08:00:14	08:33:51	00:33:36	100
9	476464	822151	04-Nov	08:02:17	08:33:32	00:31:15	100
9	476464	822151	05-Nov	08:04:20	08:33:06	00:28:47	100
9	476464	822151	06-Nov	08:06:22	08:32:34	00:26:12	100
9	476464	822151	07-Nov	08:08:24	08:31:56	00:23:31	100
9	476464	822151	08-Nov	08:10:27	08:31:13	00:20:46	100
9	476464	822151	09-Nov	08:12:29	08:30:21	00:17:52	100
9	476464	822151	10-Nov	08:14:31	08:29:16	00:14:45	100
9	476464	822151	11-Nov	08:16:33	08:27:54	00:11:22	100
9	476464	822151	12-Nov	08:18:34	08:26:03	00:07:29	64.07
9	476464	822151	13-Nov	08:20:35	08:22:51	00:02:16	13.64
10	476198	821592	01-Jan	09:22:27	10:21:40	00:59:13	100
10	476198	821592	02-Jan	09:22:47	10:21:51	00:59:03	100
10	476198	821592	03-Jan	09:23:07	10:23:02	00:59:55	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	04-Jan	09:23:26	10:23:09	00:59:43	100
10	476198	821592	05-Jan	09:23:45	10:23:12	00:59:27	100
10	476198	821592	06-Jan	09:24:04	10:23:12	00:59:08	100
10	476198	821592	07-Jan	09:24:22	10:23:07	00:58:45	100
10	476198	821592	08-Jan	09:24:40	10:22:57	00:58:16	100
10	476198	821592	09-Jan	09:24:59	10:22:59	00:57:59	100
10	476198	821592	10-Jan	09:25:18	10:22:55	00:57:37	100
10	476198	821592	11-Jan	09:25:37	10:22:47	00:57:10	100
10	476198	821592	12-Jan	09:25:57	10:22:34	00:56:37	100
10	476198	821592	13-Jan	09:26:17	10:22:14	00:55:57	100
10	476198	821592	14-Jan	09:26:39	10:21:47	00:55:08	100
10	476198	821592	15-Jan	09:27:01	10:21:10	00:54:09	100
10	476198	821592	16-Jan	09:27:24	10:20:24	00:52:59	100
10	476198	821592	17-Jan	09:27:49	10:19:30	00:51:41	100
10	476198	821592	18-Jan	09:28:15	10:18:18	00:50:03	100
10	476198	821592	19-Jan	09:28:43	10:16:42	00:47:59	100
10	476198	821592	20-Jan	09:29:12	10:19:16	00:50:03	100
10	476198	821592	21-Jan	09:29:44	10:20:06	00:50:22	100
10	476198	821592	22-Jan	09:30:18	10:19:42	00:49:23	100
10	476198	821592	23-Jan	09:30:55	10:19:10	00:48:15	100
10	476198	821592	24-Jan	09:31:35	10:18:38	00:47:03	100
10	476198	821592	25-Jan	09:32:18	10:18:04	00:45:46	100
10	476198	821592	26-Jan	09:33:05	10:17:22	00:44:17	100
10	476198	821592	27-Jan	09:33:57	10:16:30	00:42:33	100
10	476198	821592	28-Jan	09:34:53	10:15:45	00:40:52	100
10	476198	821592	29-Jan	09:35:56	10:15:03	00:39:07	100
10	476198	821592	30-Jan	09:37:06	10:14:12	00:37:06	100
10	476198	821592	31-Jan	09:38:24	10:13:09	00:34:45	100
10	476198	821592	01-Feb	09:39:55	10:11:52	00:31:58	100
10	476198	821592	02-Feb	09:41:40	10:10:29	00:28:49	100
10	476198	821592	03-Feb	09:43:49	10:08:48	00:24:59	100
10	476198	821592	04-Feb	09:46:38	10:06:36	00:19:58	96.88
10	476198	821592	05-Feb	09:51:06	10:03:19	00:12:13	39.05
10	476198	821592	24-Apr	19:41:43	19:44:21	00:02:39	20.37

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	25-Apr	19:38:06	19:46:10	00:08:04	80.95
10	476198	821592	26-Apr	19:35:53	19:47:58	00:12:04	100
10	476198	821592	27-Apr	19:34:15	19:49:46	00:15:31	100
10	476198	821592	28-Apr	19:32:57	19:51:33	00:18:37	100
10	476198	821592	29-Apr	19:31:54	19:53:21	00:21:27	100
10	476198	821592	30-Apr	19:31:02	19:55:08	00:24:05	100
10	476198	821592	01-May	19:30:21	19:56:54	00:26:33	100
10	476198	821592	02-May	19:29:48	19:58:40	00:28:53	100
10	476198	821592	03-May	19:29:22	20:00:26	00:31:04	100
10	476198	821592	04-May	19:29:03	20:02:11	00:33:08	100
10	476198	821592	05-May	19:28:50	20:03:56	00:35:05	100
10	476198	821592	06-May	19:28:43	20:05:40	00:36:57	100
10	476198	821592	07-May	19:28:37	20:07:23	00:38:46	100
10	476198	821592	08-May	19:28:36	20:09:06	00:40:30	100
10	476198	821592	09-May	19:28:41	20:10:48	00:42:07	100
10	476198	821592	10-May	19:28:50	20:12:29	00:43:38	100
10	476198	821592	11-May	19:29:05	20:14:09	00:45:04	100
10	476198	821592	12-May	19:29:26	20:14:46	00:45:20	100
10	476198	821592	13-May	19:29:51	20:15:02	00:45:11	100
10	476198	821592	14-May	19:30:22	20:19:05	00:48:43	100
10	476198	821592	15-May	19:30:59	20:20:42	00:49:43	100
10	476198	821592	16-May	19:31:42	20:22:18	00:50:36	100
10	476198	821592	17-May	19:32:32	20:23:52	00:51:20	100
10	476198	821592	18-May	19:33:30	20:25:26	00:51:55	100
10	476198	821592	19-May	19:34:39	20:26:58	00:52:19	100
10	476198	821592	20-May	19:36:01	20:28:29	00:52:28	93.72
10	476198	821592	21-May	19:37:29	20:29:58	00:52:29	91.93
10	476198	821592	22-May	19:39:11	20:31:26	00:52:15	55.9
10	476198	821592	23-May	19:41:36	20:32:53	00:51:17	20.98
10	476198	821592	24-May	19:42:10	20:34:18	00:52:07	100
10	476198	821592	25-May	19:42:36	20:35:41	00:53:05	100
10	476198	821592	26-May	19:43:05	20:37:03	00:53:58	100
10	476198	821592	27-May	19:43:35	20:38:22	00:54:47	100
10	476198	821592	28-May	19:44:08	20:39:40	00:55:32	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	29-May	19:44:44	20:40:56	00:56:12	100
10	476198	821592	30-May	19:45:21	20:42:10	00:56:48	100
10	476198	821592	31-May	04:36:20	04:38:27	00:02:06	0.83
10	476198	821592	31-May	19:46:01	20:43:21	00:57:21	100
10	476198	821592	01-Jun	04:31:37	04:43:24	00:11:47	26.44
10	476198	821592	01-Jun	19:46:42	20:44:30	00:57:48	100
10	476198	821592	02-Jun	04:30:12	04:45:46	00:15:34	50.85
10	476198	821592	02-Jun	19:47:25	20:45:38	00:58:12	100
10	476198	821592	03-Jun	04:29:25	04:47:33	00:18:07	74.04
10	476198	821592	03-Jun	19:48:11	20:46:42	00:58:31	100
10	476198	821592	04-Jun	04:28:42	04:48:59	00:20:18	96.02
10	476198	821592	04-Jun	19:48:58	20:47:44	00:58:46	100
10	476198	821592	05-Jun	04:28:02	04:50:14	00:22:13	100
10	476198	821592	05-Jun	19:49:47	20:48:44	00:58:57	100
10	476198	821592	06-Jun	04:27:24	04:51:20	00:23:55	100
10	476198	821592	06-Jun	19:50:38	20:49:41	00:59:03	100
10	476198	821592	07-Jun	04:26:50	04:52:18	00:25:27	100
10	476198	821592	07-Jun	19:51:32	20:50:36	00:59:04	85.08
10	476198	821592	08-Jun	04:26:19	04:53:10	00:26:50	100
10	476198	821592	08-Jun	19:52:22	20:51:28	00:59:06	100
10	476198	821592	09-Jun	04:25:52	04:53:57	00:28:05	100
10	476198	821592	09-Jun	19:53:09	20:52:17	00:59:08	89.35
10	476198	821592	10-Jun	04:25:27	04:54:40	00:29:13	100
10	476198	821592	10-Jun	19:53:56	20:53:03	00:59:07	75.78
10	476198	821592	11-Jun	04:25:06	04:55:19	00:30:13	100
10	476198	821592	11-Jun	19:54:44	20:53:46	00:59:02	63.45
10	476198	821592	12-Jun	04:24:48	04:55:55	00:31:07	100
10	476198	821592	12-Jun	19:55:33	20:54:27	00:58:54	52.38
10	476198	821592	13-Jun	04:24:34	04:56:28	00:31:55	100
10	476198	821592	13-Jun	19:56:21	20:55:04	00:58:43	42.56
10	476198	821592	14-Jun	04:24:22	04:56:58	00:32:36	100
10	476198	821592	14-Jun	19:57:09	20:55:39	00:58:30	34
10	476198	821592	15-Jun	04:24:14	04:57:26	00:33:12	100
10	476198	821592	15-Jun	19:57:55	20:56:10	00:58:15	26.69

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	16-Jun	04:24:09	04:57:51	00:33:41	100
10	476198	821592	16-Jun	19:58:40	20:56:38	00:57:58	20.65
10	476198	821592	17-Jun	04:24:08	04:58:14	00:34:06	100
10	476198	821592	17-Jun	19:59:23	20:06:26	00:07:03	15.88
10	476198	821592	17-Jun	20:06:36	20:57:04	00:50:28	100
10	476198	821592	18-Jun	04:24:10	04:58:34	00:34:24	100
10	476198	821592	18-Jun	20:00:00	20:06:14	00:06:14	12.37
10	476198	821592	18-Jun	20:06:49	20:57:26	00:50:36	100
10	476198	821592	19-Jun	04:24:15	04:58:52	00:34:37	100
10	476198	821592	19-Jun	20:00:31	20:06:10	00:05:39	10.12
10	476198	821592	19-Jun	20:07:03	20:57:44	00:50:41	100
10	476198	821592	20-Jun	04:24:24	04:59:09	00:34:45	100
10	476198	821592	20-Jun	20:00:52	20:06:14	00:05:22	9.14
10	476198	821592	20-Jun	20:07:16	20:57:59	00:50:44	100
10	476198	821592	21-Jun	04:24:35	04:59:23	00:34:47	100
10	476198	821592	21-Jun	20:01:03	20:06:30	00:05:27	9.43
10	476198	821592	21-Jun	20:07:29	20:58:12	00:50:43	100
10	476198	821592	22-Jun	04:24:50	04:59:34	00:34:44	100
10	476198	821592	22-Jun	20:01:03	20:06:56	00:05:53	10.99
10	476198	821592	22-Jun	20:07:42	20:58:21	00:50:39	100
10	476198	821592	23-Jun	04:25:09	04:59:44	00:34:35	100
10	476198	821592	23-Jun	20:00:55	20:07:30	00:06:35	13.8
10	476198	821592	23-Jun	20:07:55	20:58:27	00:50:32	100
10	476198	821592	24-Jun	04:25:30	04:59:51	00:34:21	100
10	476198	821592	24-Jun	20:00:41	20:58:29	00:57:48	17.88
10	476198	821592	25-Jun	04:25:55	04:59:56	00:34:02	100
10	476198	821592	25-Jun	20:00:24	20:58:28	00:58:05	23.22
10	476198	821592	26-Jun	04:26:22	04:59:59	00:33:37	100
10	476198	821592	26-Jun	20:00:04	20:58:24	00:58:20	29.82
10	476198	821592	27-Jun	04:26:53	04:59:59	00:33:06	100
10	476198	821592	27-Jun	19:59:42	20:58:16	00:58:35	37.67
10	476198	821592	28-Jun	04:27:27	04:59:56	00:32:30	100
10	476198	821592	28-Jun	19:59:19	20:58:05	00:58:47	46.77
10	476198	821592	29-Jun	04:28:03	04:59:50	00:31:47	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	29-Jun	19:58:55	20:57:51	00:58:56	57.11
10	476198	821592	30-Jun	04:28:43	04:59:41	00:30:59	100
10	476198	821592	30-Jun	19:58:31	20:57:33	00:59:02	68.7
10	476198	821592	01-Jul	04:29:25	04:59:29	00:30:04	100
10	476198	821592	01-Jul	19:58:07	20:57:12	00:59:05	81.53
10	476198	821592	02-Jul	04:30:10	04:59:13	00:29:03	100
10	476198	821592	02-Jul	19:57:43	20:56:48	00:59:05	95.59
10	476198	821592	03-Jul	04:30:58	04:58:52	00:27:54	100
10	476198	821592	03-Jul	19:57:19	20:56:20	00:59:01	100
10	476198	821592	04-Jul	04:31:48	04:58:27	00:26:38	100
10	476198	821592	04-Jul	19:56:48	20:55:49	00:59:01	92.27
10	476198	821592	05-Jul	04:32:41	04:57:56	00:25:14	100
10	476198	821592	05-Jul	19:56:17	20:55:15	00:58:58	100
10	476198	821592	06-Jul	04:33:37	04:57:18	00:23:41	100
10	476198	821592	06-Jul	19:55:48	20:54:37	00:58:50	100
10	476198	821592	07-Jul	04:34:35	04:56:32	00:21:57	100
10	476198	821592	07-Jul	19:55:19	20:53:57	00:58:37	100
10	476198	821592	08-Jul	04:35:35	04:55:36	00:20:01	93.06
10	476198	821592	08-Jul	19:54:53	20:53:13	00:58:20	100
10	476198	821592	09-Jul	04:36:38	04:54:26	00:17:48	71.08
10	476198	821592	09-Jul	19:54:27	20:52:26	00:57:59	100
10	476198	821592	10-Jul	04:37:43	04:52:56	00:15:12	47.91
10	476198	821592	10-Jul	19:54:02	20:51:36	00:57:34	100
10	476198	821592	11-Jul	04:39:36	04:50:45	00:11:09	23.56
10	476198	821592	11-Jul	19:53:39	20:50:43	00:57:04	100
10	476198	821592	12-Jul	19:53:16	20:49:47	00:56:31	100
10	476198	821592	13-Jul	19:52:55	20:48:48	00:55:53	100
10	476198	821592	14-Jul	19:52:35	20:47:47	00:55:11	100
10	476198	821592	15-Jul	19:52:17	20:46:42	00:54:25	100
10	476198	821592	16-Jul	19:51:59	20:45:35	00:53:35	100
10	476198	821592	17-Jul	19:51:44	20:44:25	00:52:41	100
10	476198	821592	18-Jul	19:51:29	20:43:12	00:51:43	100
10	476198	821592	19-Jul	19:50:17	20:41:56	00:51:39	32.28
10	476198	821592	20-Jul	19:48:21	20:40:38	00:52:17	67.18

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	21-Jul	19:46:55	20:39:18	00:52:23	100
10	476198	821592	22-Jul	19:45:33	20:37:55	00:52:22	100
10	476198	821592	23-Jul	19:44:21	20:36:30	00:52:08	100
10	476198	821592	24-Jul	19:43:21	20:35:02	00:51:41	100
10	476198	821592	25-Jul	19:42:28	20:33:32	00:51:04	100
10	476198	821592	26-Jul	19:41:42	20:31:59	00:50:17	100
10	476198	821592	27-Jul	19:41:01	20:30:25	00:49:23	100
10	476198	821592	28-Jul	19:40:26	20:25:23	00:44:58	100
10	476198	821592	28-Jul	20:26:37	20:28:48	00:02:11	9.29
10	476198	821592	29-Jul	19:39:54	20:25:08	00:45:14	100
10	476198	821592	30-Jul	19:39:27	20:24:48	00:45:21	100
10	476198	821592	31-Jul	19:39:04	20:23:45	00:44:41	100
10	476198	821592	01-Aug	19:38:45	20:22:00	00:43:16	100
10	476198	821592	02-Aug	19:38:29	20:20:13	00:41:44	100
10	476198	821592	03-Aug	19:38:18	20:18:24	00:40:07	100
10	476198	821592	04-Aug	19:38:10	20:16:34	00:38:24	100
10	476198	821592	05-Aug	19:38:07	20:14:42	00:36:34	100
10	476198	821592	06-Aug	19:38:03	20:12:48	00:34:44	100
10	476198	821592	07-Aug	19:38:04	20:10:52	00:32:48	100
10	476198	821592	08-Aug	19:38:10	20:08:55	00:30:45	100
10	476198	821592	09-Aug	19:38:22	20:06:56	00:28:34	100
10	476198	821592	10-Aug	19:38:40	20:04:56	00:26:16	100
10	476198	821592	11-Aug	19:39:05	20:02:54	00:23:49	100
10	476198	821592	12-Aug	19:39:38	20:00:51	00:21:12	100
10	476198	821592	13-Aug	19:40:23	19:58:46	00:18:23	100
10	476198	821592	14-Aug	19:41:21	19:56:40	00:15:19	100
10	476198	821592	15-Aug	19:42:39	19:54:33	00:11:54	100
10	476198	821592	16-Aug	19:44:29	19:52:24	00:07:55	78.24
10	476198	821592	17-Aug	19:47:45	19:50:15	00:02:30	18.79
10	476198	821592	05-Nov	09:20:27	09:33:17	00:12:51	43.05
10	476198	821592	06-Nov	09:16:14	09:36:32	00:20:19	99.84
10	476198	821592	07-Nov	09:13:37	09:38:49	00:25:12	100
10	476198	821592	08-Nov	09:11:42	09:40:38	00:28:56	100
10	476198	821592	09-Nov	09:10:10	09:42:13	00:32:03	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	10-Nov	09:08:55	09:43:42	00:34:47	100
10	476198	821592	11-Nov	09:07:52	09:44:59	00:37:07	100
10	476198	821592	12-Nov	09:06:59	09:46:07	00:39:07	100
10	476198	821592	13-Nov	09:06:16	09:47:07	00:40:51	100
10	476198	821592	14-Nov	09:05:41	09:48:12	00:42:32	100
10	476198	821592	15-Nov	09:05:11	09:49:26	00:44:15	100
10	476198	821592	16-Nov	09:04:48	09:50:32	00:45:44	100
10	476198	821592	17-Nov	09:04:30	09:51:31	00:47:01	100
10	476198	821592	18-Nov	09:04:18	09:52:29	00:48:12	100
10	476198	821592	19-Nov	09:04:09	09:53:30	00:49:20	100
10	476198	821592	20-Nov	09:04:05	09:54:25	00:50:19	100
10	476198	821592	21-Nov	09:04:05	09:54:05	00:50:00	100
10	476198	821592	22-Nov	09:04:09	09:52:05	00:47:57	100
10	476198	821592	23-Nov	09:04:16	09:54:11	00:49:55	100
10	476198	821592	24-Nov	09:04:26	09:56:01	00:51:35	100
10	476198	821592	25-Nov	09:04:39	09:57:33	00:52:54	100
10	476198	821592	26-Nov	09:04:54	09:58:59	00:54:04	100
10	476198	821592	27-Nov	09:05:13	10:00:17	00:55:04	100
10	476198	821592	28-Nov	09:05:33	10:01:26	00:55:53	100
10	476198	821592	29-Nov	09:05:56	10:02:30	00:56:34	100
10	476198	821592	30-Nov	09:06:20	10:03:28	00:57:08	100
10	476198	821592	01-Dec	09:06:47	10:04:22	00:57:35	100
10	476198	821592	02-Dec	09:07:15	10:05:13	00:57:58	100
10	476198	821592	03-Dec	09:07:44	10:05:58	00:58:13	100
10	476198	821592	04-Dec	09:08:15	10:06:58	00:58:43	100
10	476198	821592	05-Dec	09:08:47	10:07:54	00:59:07	100
10	476198	821592	06-Dec	09:09:20	10:08:46	00:59:26	100
10	476198	821592	07-Dec	09:09:53	10:09:35	00:59:42	100
10	476198	821592	08-Dec	09:10:28	10:10:22	00:59:54	100
10	476198	821592	09-Dec	09:11:03	10:10:05	00:59:03	100
10	476198	821592	10-Dec	09:11:38	10:10:50	00:59:13	100
10	476198	821592	11-Dec	09:12:13	10:10:51	00:58:38	100
10	476198	821592	12-Dec	09:12:48	10:10:35	00:57:46	100
10	476198	821592	13-Dec	09:13:24	10:11:15	00:57:52	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
10	476198	821592	14-Dec	09:13:59	10:10:30	00:56:31	100
10	476198	821592	15-Dec	09:14:34	10:11:06	00:56:32	100
10	476198	821592	16-Dec	09:15:08	10:11:41	00:56:33	100
10	476198	821592	17-Dec	09:15:42	10:12:15	00:56:34	100
10	476198	821592	18-Dec	09:16:15	10:12:48	00:56:34	100
10	476198	821592	19-Dec	09:16:47	10:13:21	00:56:34	100
10	476198	821592	20-Dec	09:17:18	10:13:52	00:56:34	100
10	476198	821592	21-Dec	09:17:49	10:14:23	00:56:34	100
10	476198	821592	22-Dec	09:18:19	10:14:53	00:56:34	100
10	476198	821592	23-Dec	09:18:47	10:15:21	00:56:34	100
10	476198	821592	24-Dec	09:19:15	10:15:49	00:56:34	100
10	476198	821592	25-Dec	09:19:42	10:16:15	00:56:33	100
10	476198	821592	26-Dec	09:20:08	10:16:40	00:56:33	100
10	476198	821592	27-Dec	09:20:32	10:17:04	00:56:32	100
10	476198	821592	28-Dec	09:20:56	10:17:27	00:56:31	100
10	476198	821592	29-Dec	09:21:19	10:19:12	00:57:53	100
10	476198	821592	30-Dec	09:21:41	10:19:29	00:57:48	100
10	476198	821592	31-Dec	09:22:02	10:20:41	00:58:39	100
11	476576	821830	12-Jan	09:10:56	09:12:11	00:01:15	48.54
11	476576	821830	13-Jan	09:09:58	09:13:59	00:04:02	80.83
11	476576	821830	14-Jan	09:08:56	09:15:30	00:06:34	100
11	476576	821830	15-Jan	09:07:51	09:16:49	00:08:58	100
11	476576	821830	16-Jan	09:06:43	09:17:59	00:11:16	100
11	476576	821830	17-Jan	09:05:32	09:19:03	00:13:31	100
11	476576	821830	18-Jan	09:04:18	09:19:59	00:15:41	100
11	476576	821830	19-Jan	09:03:01	09:20:50	00:17:49	100
11	476576	821830	20-Jan	09:01:41	09:21:37	00:19:56	100
11	476576	821830	21-Jan	09:00:18	09:22:21	00:22:03	100
11	476576	821830	22-Jan	08:58:52	09:22:59	00:24:07	100
11	476576	821830	23-Jan	08:57:24	09:23:32	00:26:08	100
11	476576	821830	24-Jan	08:55:53	09:24:00	00:28:07	100
11	476576	821830	25-Jan	08:54:20	09:24:22	00:30:02	100
11	476576	821830	26-Jan	08:52:44	09:24:39	00:31:54	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3

11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	27-Jan	08:51:06	09:24:49	00:33:43	100
11	476576	821830	28-Jan	08:49:26	09:24:53	00:35:28	100
11	476576	821830	29-Jan	08:47:43	09:24:51	00:37:08	100
11	476576	821830	30-Jan	08:45:58	09:24:41	00:38:43	100
11	476576	821830	31-Jan	08:44:11	09:24:23	00:40:12	100
11	476576	821830	01-Feb	08:42:22	09:23:58	00:41:36	100
11	476576	821830	02-Feb	08:40:31	09:23:34	00:43:03	100
11	476576	821830	03-Feb	08:38:39	09:23:00	00:44:22	100
11	476576	821830	04-Feb	08:36:44	09:22:14	00:45:31	100
11	476576	821830	05-Feb	08:34:48	09:21:13	00:46:26	100
11	476576	821830	06-Feb	08:32:49	09:19:51	00:47:02	100
11	476576	821830	07-Feb	08:30:50	09:18:05	00:47:15	100
11	476576	821830	08-Feb	08:28:48	09:17:10	00:48:22	100
11	476576	821830	09-Feb	08:26:45	09:16:12	00:49:27	100
11	476576	821830	10-Feb	08:24:41	09:15:05	00:50:24	100
11	476576	821830	11-Feb	08:22:35	09:13:56	00:51:21	100
11	476576	821830	12-Feb	08:20:28	09:12:27	00:51:59	100
11	476576	821830	13-Feb	08:18:19	09:10:34	00:52:15	100
11	476576	821830	14-Feb	08:16:09	09:08:36	00:52:26	100
11	476576	821830	15-Feb	08:13:58	09:07:24	00:53:25	100
11	476576	821830	16-Feb	08:11:46	09:05:52	00:54:05	100
11	476576	821830	17-Feb	08:09:33	09:03:57	00:54:24	100
11	476576	821830	18-Feb	08:07:26	09:01:40	00:54:14	100
11	476576	821830	19-Feb	08:06:47	08:57:52	00:51:05	100
11	476576	821830	20-Feb	08:06:16	08:55:02	00:48:46	100
11	476576	821830	21-Feb	08:05:51	08:54:29	00:48:37	100
11	476576	821830	22-Feb	08:05:33	08:53:46	00:48:13	100
11	476576	821830	23-Feb	08:05:22	08:52:53	00:47:31	100
11	476576	821830	24-Feb	08:05:17	08:51:48	00:46:31	100
11	476576	821830	25-Feb	08:05:19	08:50:28	00:45:09	100
11	476576	821830	26-Feb	08:05:28	08:48:50	00:43:22	100
11	476576	821830	27-Feb	08:05:45	08:46:54	00:41:09	100
11	476576	821830	27-Feb	17:54:47	17:58:45	00:03:59	58.58
11	476576	821830	28-Feb	08:06:10	08:45:16	00:39:06	100

SHADOW FLICKER SHUTDOWN TIMES BY 11-4 TURBINE – SCENARIO 3

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	28-Feb	17:51:50	18:00:47	00:08:57	100
11	476576	821830	01-Mar	08:06:45	08:43:13	00:36:28	100
11	476576	821830	01-Mar	17:49:45	18:02:47	00:13:02	100
11	476576	821830	02-Mar	08:07:30	08:41:01	00:33:31	100
11	476576	821830	02-Mar	17:48:08	18:04:47	00:16:39	100
11	476576	821830	03-Mar	08:08:29	08:39:29	00:31:00	100
11	476576	821830	03-Mar	17:46:51	18:06:47	00:19:57	100
11	476576	821830	04-Mar	08:09:45	08:37:39	00:27:55	100
11	476576	821830	04-Mar	17:45:47	18:08:47	00:22:59	100
11	476576	821830	05-Mar	08:11:25	08:35:31	00:24:06	100
11	476576	821830	05-Mar	17:44:56	18:10:45	00:25:49	100
11	476576	821830	06-Mar	08:13:46	08:33:03	00:19:17	100
11	476576	821830	06-Mar	17:44:15	18:12:44	00:28:29	100
11	476576	821830	07-Mar	08:17:04	08:29:29	00:12:25	50.26
11	476576	821830	07-Mar	17:43:44	18:14:42	00:30:58	100
11	476576	821830	08-Mar	17:43:23	18:16:40	00:33:17	100
11	476576	821830	09-Mar	17:43:10	18:18:37	00:35:27	100
11	476576	821830	10-Mar	17:43:07	18:20:34	00:37:27	100
11	476576	821830	11-Mar	17:43:13	18:22:30	00:39:17	100
11	476576	821830	12-Mar	17:43:30	18:24:26	00:40:56	100
11	476576	821830	13-Mar	17:43:59	18:26:22	00:42:23	100
11	476576	821830	14-Mar	17:44:31	18:28:17	00:43:47	100
11	476576	821830	15-Mar	17:45:11	18:30:13	00:45:01	100
11	476576	821830	16-Mar	17:46:10	18:32:07	00:45:58	100
11	476576	821830	17-Mar	17:47:32	18:34:02	00:46:30	100
11	476576	821830	18-Mar	17:49:34	18:35:56	00:46:22	91.86
11	476576	821830	19-Mar	17:53:26	18:00:23	00:06:57	17.38
11	476576	821830	19-Mar	18:03:46	18:37:50	00:34:04	100
11	476576	821830	20-Mar	18:04:02	18:39:44	00:35:41	100
11	476576	821830	21-Mar	18:04:32	18:41:37	00:37:05	100
11	476576	821830	22-Mar	18:05:03	18:43:30	00:38:28	100
11	476576	821830	23-Mar	18:05:48	18:45:23	00:39:35	100
11	476576	821830	24-Mar	18:06:54	18:47:16	00:40:22	100
11	476576	821830	25-Mar	18:08:33	18:49:09	00:40:35	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	26-Mar	18:11:22	18:51:01	00:39:40	39.49
11	476576	821830	27-Mar	18:16:02	18:51:59	00:35:57	100
11	476576	821830	28-Mar	18:17:19	18:51:24	00:34:05	100
11	476576	821830	29-Mar	18:19:19	18:50:35	00:31:16	75.39
11	476576	821830	30-Mar	18:24:14	18:49:33	00:25:18	2.47
11	476576	821830	31-Mar	18:27:10	18:48:13	00:21:03	100
11	476576	821830	01-Apr	18:28:25	18:46:39	00:18:14	100
11	476576	821830	02-Apr	18:30:04	18:44:33	00:14:29	100
11	476576	821830	03-Apr	18:32:43	18:41:19	00:08:36	35.38
11	476576	821830	26-May	04:37:00	04:44:26	00:07:26	27.87
11	476576	821830	27-May	04:35:53	04:46:40	00:10:46	59.25
11	476576	821830	28-May	04:34:49	04:48:16	00:13:27	89.47
11	476576	821830	29-May	04:33:48	04:49:34	00:15:46	100
11	476576	821830	30-May	04:32:50	04:50:40	00:17:50	100
11	476576	821830	31-May	04:31:54	04:51:37	00:19:43	100
11	476576	821830	01-Jun	04:31:02	04:52:28	00:21:26	100
11	476576	821830	02-Jun	04:30:12	04:53:13	00:23:01	100
11	476576	821830	03-Jun	04:29:25	04:53:54	00:24:29	100
11	476576	821830	04-Jun	04:28:42	04:54:32	00:25:50	100
11	476576	821830	05-Jun	04:28:02	04:55:07	00:27:05	100
11	476576	821830	06-Jun	04:27:24	04:55:39	00:28:14	100
11	476576	821830	07-Jun	04:26:50	04:56:09	00:29:18	100
11	476576	821830	08-Jun	04:26:19	04:56:37	00:30:17	100
11	476576	821830	09-Jun	04:25:52	04:57:03	00:31:11	100
11	476576	821830	10-Jun	04:25:27	04:57:27	00:32:00	100
11	476576	821830	10-Jun	20:48:03	20:53:03	00:05:00	13.59
11	476576	821830	11-Jun	04:25:06	04:57:51	00:32:45	100
11	476576	821830	11-Jun	20:46:58	20:53:46	00:06:48	26
11	476576	821830	12-Jun	04:24:48	04:58:14	00:33:26	100
11	476576	821830	12-Jun	20:46:17	20:54:27	00:08:10	37.15
11	476576	821830	13-Jun	04:24:34	04:58:36	00:34:03	100
11	476576	821830	13-Jun	20:45:49	20:55:04	00:09:15	47.03
11	476576	821830	14-Jun	04:24:22	04:58:57	00:34:35	100
11	476576	821830	14-Jun	20:45:30	20:55:39	00:10:08	55.64

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	15-Jun	04:24:14	04:59:16	00:35:02	100
11	476576	821830	15-Jun	20:45:18	20:56:10	00:10:52	62.98
11	476576	821830	16-Jun	04:24:09	04:59:35	00:35:25	100
11	476576	821830	16-Jun	20:45:12	20:56:38	00:11:26	69.04
11	476576	821830	17-Jun	04:24:08	04:59:52	00:35:44	100
11	476576	821830	17-Jun	20:45:10	20:57:04	00:11:53	73.83
11	476576	821830	18-Jun	04:24:10	05:00:09	00:35:59	100
11	476576	821830	18-Jun	20:45:13	20:57:26	00:12:12	77.33
11	476576	821830	19-Jun	04:24:15	05:00:24	00:36:09	100
11	476576	821830	19-Jun	20:45:20	20:57:44	00:12:25	79.56
11	476576	821830	20-Jun	04:24:24	05:00:39	00:36:15	100
11	476576	821830	20-Jun	20:45:30	20:57:59	00:12:30	80.5
11	476576	821830	21-Jun	04:24:35	05:00:52	00:36:17	100
11	476576	821830	21-Jun	20:45:44	20:58:12	00:12:28	80.17
11	476576	821830	22-Jun	04:24:50	05:01:05	00:36:14	100
11	476576	821830	22-Jun	20:46:02	20:58:21	00:12:19	78.55
11	476576	821830	23-Jun	04:25:09	05:01:16	00:36:08	100
11	476576	821830	23-Jun	20:46:23	20:58:27	00:12:04	75.66
11	476576	821830	24-Jun	04:25:30	05:01:27	00:35:57	100
11	476576	821830	24-Jun	20:46:49	20:58:29	00:11:41	71.49
11	476576	821830	25-Jun	04:25:55	05:01:36	00:35:41	100
11	476576	821830	25-Jun	20:47:18	20:58:28	00:11:10	66.05
11	476576	821830	26-Jun	04:26:22	05:01:44	00:35:22	100
11	476576	821830	26-Jun	20:47:53	20:58:24	00:10:31	59.34
11	476576	821830	27-Jun	04:26:53	05:01:51	00:34:58	100
11	476576	821830	27-Jun	20:48:34	20:58:16	00:09:43	51.36
11	476576	821830	28-Jun	04:27:27	05:01:56	00:34:30	100
11	476576	821830	28-Jun	20:49:21	20:58:05	00:08:44	42.12
11	476576	821830	29-Jun	04:28:03	05:02:00	00:33:57	100
11	476576	821830	29-Jun	20:50:20	20:57:51	00:07:31	31.62
11	476576	821830	30-Jun	04:28:43	05:02:03	00:33:20	100
11	476576	821830	30-Jun	20:51:34	20:57:33	00:05:59	19.86
11	476576	821830	01-Jul	04:29:25	05:02:03	00:32:38	100
11	476576	821830	01-Jul	20:53:27	20:57:12	00:03:46	6.86

SHADOW FLICKER SHUTDOWN TIMES BY 11-4 TURBINE – SCENARIO 3

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	02-Jul	04:30:10	05:02:03	00:31:53	100
11	476576	821830	03-Jul	04:30:58	05:02:01	00:31:03	100
11	476576	821830	04-Jul	04:31:48	05:01:57	00:30:09	100
11	476576	821830	05-Jul	04:32:41	05:01:51	00:29:09	100
11	476576	821830	06-Jul	04:33:37	05:01:42	00:28:05	100
11	476576	821830	07-Jul	04:34:35	05:01:30	00:26:55	100
11	476576	821830	08-Jul	04:35:35	05:01:15	00:25:39	100
11	476576	821830	09-Jul	04:36:38	05:00:56	00:24:18	100
11	476576	821830	10-Jul	04:37:43	05:00:32	00:22:49	100
11	476576	821830	11-Jul	04:38:50	05:00:04	00:21:14	100
11	476576	821830	12-Jul	04:39:59	04:59:30	00:19:30	100
11	476576	821830	13-Jul	04:41:11	04:58:48	00:17:37	100
11	476576	821830	14-Jul	04:42:24	04:57:56	00:15:32	100
11	476576	821830	15-Jul	04:43:40	04:56:51	00:13:12	86.45
11	476576	821830	16-Jul	04:44:57	04:55:26	00:10:30	56.41
11	476576	821830	17-Jul	04:46:15	04:53:21	00:07:06	25.25
11	476576	821830	07-Sep	18:29:29	18:34:06	00:04:37	9.89
11	476576	821830	08-Sep	18:25:05	18:37:48	00:12:43	79.9
11	476576	821830	09-Sep	18:22:40	18:39:31	00:16:51	100
11	476576	821830	10-Sep	18:20:34	18:40:35	00:20:02	100
11	476576	821830	11-Sep	18:18:57	18:41:20	00:22:23	100
11	476576	821830	12-Sep	18:12:24	18:41:50	00:29:26	42.14
11	476576	821830	13-Sep	18:09:09	18:42:04	00:32:55	100
11	476576	821830	14-Sep	18:06:57	18:42:05	00:35:08	100
11	476576	821830	15-Sep	18:04:43	18:41:35	00:36:52	1.77
11	476576	821830	16-Sep	17:58:52	18:39:06	00:40:13	73.73
11	476576	821830	17-Sep	17:56:08	18:36:36	00:40:28	100
11	476576	821830	18-Sep	17:54:07	18:34:06	00:39:59	100
11	476576	821830	19-Sep	17:52:33	18:31:37	00:39:04	100
11	476576	821830	20-Sep	17:51:16	18:29:07	00:37:51	100
11	476576	821830	21-Sep	17:50:07	18:26:37	00:36:30	100
11	476576	821830	22-Sep	17:49:04	18:24:06	00:35:02	100
11	476576	821830	23-Sep	17:36:14	17:46:55	00:10:41	42.13
11	476576	821830	23-Sep	17:48:14	18:21:36	00:33:22	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	24-Sep	17:32:43	18:19:06	00:46:23	100
11	476576	821830	25-Sep	17:30:20	18:16:36	00:46:16	100
11	476576	821830	26-Sep	17:28:29	18:14:06	00:45:37	100
11	476576	821830	27-Sep	17:26:59	18:11:36	00:44:36	100
11	476576	821830	28-Sep	17:25:46	18:09:06	00:43:20	100
11	476576	821830	29-Sep	17:24:39	18:06:37	00:41:58	100
11	476576	821830	30-Sep	17:23:37	18:04:07	00:40:30	100
11	476576	821830	01-Oct	17:22:48	18:01:38	00:38:51	100
11	476576	821830	02-Oct	17:22:09	17:59:09	00:37:01	100
11	476576	821830	03-Oct	17:21:39	17:56:40	00:35:01	100
11	476576	821830	04-Oct	17:21:20	17:54:03	00:32:43	100
11	476576	821830	05-Oct	07:59:08	08:02:22	00:03:14	3.3
11	476576	821830	05-Oct	17:21:10	17:51:44	00:30:34	100
11	476576	821830	06-Oct	07:52:52	08:08:01	00:15:09	75.26
11	476576	821830	06-Oct	17:21:10	17:49:16	00:28:06	100
11	476576	821830	07-Oct	07:49:27	08:10:30	00:21:04	100
11	476576	821830	07-Oct	17:21:20	17:46:49	00:25:29	100
11	476576	821830	08-Oct	07:46:53	08:12:13	00:25:20	100
11	476576	821830	08-Oct	17:21:41	17:44:22	00:22:41	100
11	476576	821830	09-Oct	07:44:53	08:13:48	00:28:56	100
11	476576	821830	09-Oct	17:22:15	17:41:55	00:19:40	100
11	476576	821830	10-Oct	07:43:15	08:15:01	00:31:46	100
11	476576	821830	10-Oct	17:23:05	17:39:29	00:16:25	100
11	476576	821830	11-Oct	07:41:53	08:16:18	00:34:26	100
11	476576	821830	11-Oct	17:24:14	17:37:04	00:12:50	100
11	476576	821830	12-Oct	07:40:44	08:17:59	00:37:15	100
11	476576	821830	12-Oct	17:25:51	17:34:39	00:08:48	100
11	476576	821830	13-Oct	07:39:46	08:19:27	00:39:40	100
11	476576	821830	13-Oct	17:28:23	17:32:15	00:03:52	56.35
11	476576	821830	14-Oct	07:38:58	08:20:39	00:41:40	100
11	476576	821830	15-Oct	07:38:20	08:22:10	00:43:50	100
11	476576	821830	16-Oct	07:37:49	08:23:19	00:45:30	100
11	476576	821830	17-Oct	07:37:27	08:24:13	00:46:46	100
11	476576	821830	18-Oct	07:37:13	08:24:54	00:47:42	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	19-Oct	07:37:06	08:25:26	00:48:20	100
11	476576	821830	20-Oct	07:37:06	08:25:48	00:48:42	100
11	476576	821830	21-Oct	07:37:15	08:26:18	00:49:03	100
11	476576	821830	22-Oct	07:37:31	08:29:24	00:51:53	100
11	476576	821830	23-Oct	07:37:56	08:32:31	00:54:35	100
11	476576	821830	24-Oct	07:39:57	08:34:28	00:54:32	100
11	476576	821830	25-Oct	07:41:57	08:36:09	00:54:11	100
11	476576	821830	26-Oct	07:43:58	08:37:27	00:53:29	100
11	476576	821830	27-Oct	07:45:59	08:38:28	00:52:29	100
11	476576	821830	28-Oct	07:48:01	08:40:24	00:52:23	100
11	476576	821830	29-Oct	07:50:03	08:42:09	00:52:06	100
11	476576	821830	30-Oct	07:52:05	08:43:31	00:51:26	100
11	476576	821830	31-Oct	07:54:07	08:44:36	00:50:29	100
11	476576	821830	01-Nov	07:56:09	08:45:42	00:49:32	100
11	476576	821830	02-Nov	07:58:12	08:46:39	00:48:27	100
11	476576	821830	03-Nov	08:00:14	08:47:38	00:47:23	100
11	476576	821830	04-Nov	08:02:17	08:49:27	00:47:10	100
11	476576	821830	05-Nov	08:04:20	08:50:53	00:46:33	100
11	476576	821830	06-Nov	08:06:22	08:51:59	00:45:38	100
11	476576	821830	07-Nov	08:08:24	08:52:54	00:44:29	100
11	476576	821830	08-Nov	08:10:27	08:53:38	00:43:11	100
11	476576	821830	09-Nov	08:12:29	08:54:14	00:41:45	100
11	476576	821830	10-Nov	08:14:31	08:54:52	00:40:21	100
11	476576	821830	11-Nov	08:16:33	08:55:26	00:38:53	100
11	476576	821830	12-Nov	08:18:34	08:55:53	00:37:19	100
11	476576	821830	13-Nov	08:20:35	08:56:14	00:35:40	100
11	476576	821830	14-Nov	08:22:35	08:56:31	00:33:56	100
11	476576	821830	15-Nov	08:24:35	08:56:43	00:32:08	100
11	476576	821830	16-Nov	08:26:34	08:56:51	00:30:17	100
11	476576	821830	17-Nov	08:28:32	08:56:55	00:28:22	100
11	476576	821830	18-Nov	08:30:30	08:56:55	00:26:25	100
11	476576	821830	19-Nov	08:32:27	08:56:51	00:24:25	100
11	476576	821830	20-Nov	08:34:22	08:56:44	00:22:22	100
11	476576	821830	21-Nov	08:36:17	08:56:33	00:20:16	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
11	476576	821830	22-Nov	08:38:10	08:56:20	00:18:10	100
11	476576	821830	23-Nov	08:40:02	08:56:05	00:16:03	100
11	476576	821830	24-Nov	08:41:52	08:55:46	00:13:53	100
11	476576	821830	25-Nov	08:43:41	08:55:22	00:11:40	100
11	476576	821830	26-Nov	08:45:29	08:54:52	00:09:23	100
11	476576	821830	27-Nov	08:47:14	08:54:16	00:07:01	100
11	476576	821830	28-Nov	08:48:58	08:53:30	00:04:32	87.18
11	476576	821830	29-Nov	08:50:40	08:52:30	00:01:50	54.91
12	477164	821788	05-Feb	17:10:40	17:12:59	00:02:20	16.94
12	477164	821788	06-Feb	17:05:55	17:15:06	00:09:11	75.71
12	477164	821788	07-Feb	17:03:01	17:17:13	00:14:12	100
12	477164	821788	08-Feb	17:00:48	17:19:20	00:18:32	100
12	477164	821788	09-Feb	16:58:57	17:21:26	00:22:29	100
12	477164	821788	10-Feb	16:57:23	17:23:33	00:26:10	100
12	477164	821788	11-Feb	16:56:00	17:25:39	00:29:39	100
12	477164	821788	12-Feb	16:54:47	17:27:46	00:32:58	100
12	477164	821788	13-Feb	16:53:42	17:29:52	00:36:09	100
12	477164	821788	14-Feb	16:52:44	17:31:57	00:39:13	100
12	477164	821788	15-Feb	16:51:53	17:34:03	00:42:11	100
12	477164	821788	16-Feb	16:51:06	17:36:08	00:45:02	100
12	477164	821788	17-Feb	16:50:25	17:38:13	00:47:48	100
12	477164	821788	18-Feb	16:49:49	17:40:18	00:50:29	100
12	477164	821788	19-Feb	16:49:18	17:42:23	00:53:05	100
12	477164	821788	20-Feb	16:48:51	17:44:27	00:55:35	100
12	477164	821788	21-Feb	16:48:29	17:46:31	00:58:02	100
12	477164	821788	22-Feb	07:58:12	08:01:26	00:03:14	59.92
12	477164	821788	22-Feb	16:48:11	17:48:34	01:00:23	100
12	477164	821788	23-Feb	07:55:53	08:03:38	00:07:46	100
12	477164	821788	23-Feb	16:47:58	17:50:37	01:02:39	100
12	477164	821788	24-Feb	07:53:33	08:05:04	00:11:31	100
12	477164	821788	24-Feb	16:47:48	17:52:40	01:04:51	100
12	477164	821788	25-Feb	07:51:12	08:06:03	00:14:50	100
12	477164	821788	25-Feb	16:47:44	17:54:42	01:06:58	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
12	477164	821788	26-Feb	07:48:51	08:06:49	00:17:58	100
12	477164	821788	26-Feb	16:47:44	17:56:44	01:08:59	100
12	477164	821788	27-Feb	07:46:29	08:07:19	00:20:50	100
12	477164	821788	27-Feb	16:47:49	17:58:45	01:10:56	100
12	477164	821788	28-Feb	07:44:06	08:07:36	00:23:29	100
12	477164	821788	28-Feb	16:47:59	18:00:47	01:12:48	100
12	477164	821788	01-Mar	07:41:43	08:07:40	00:25:57	100
12	477164	821788	01-Mar	16:48:14	18:02:47	01:14:33	100
12	477164	821788	02-Mar	07:40:26	08:07:32	00:27:06	100
12	477164	821788	02-Mar	16:48:35	18:04:47	01:16:12	100
12	477164	821788	03-Mar	07:40:17	08:07:12	00:26:55	100
12	477164	821788	03-Mar	16:49:03	18:06:47	01:17:45	100
12	477164	821788	04-Mar	07:40:20	08:06:40	00:26:20	100
12	477164	821788	04-Mar	16:49:37	18:08:47	01:19:10	100
12	477164	821788	05-Mar	07:40:35	08:05:55	00:25:20	100
12	477164	821788	05-Mar	16:50:06	18:10:45	01:20:40	100
12	477164	821788	06-Mar	07:41:04	08:04:54	00:23:51	100
12	477164	821788	06-Mar	16:50:40	18:12:44	01:22:04	100
12	477164	821788	07-Mar	07:41:49	08:03:35	00:21:46	100
12	477164	821788	07-Mar	16:51:22	18:14:42	01:23:20	100
12	477164	821788	08-Mar	07:42:57	08:01:51	00:18:53	100
12	477164	821788	08-Mar	16:52:12	18:16:40	01:24:27	100
12	477164	821788	09-Mar	07:44:42	07:59:36	00:14:54	100
12	477164	821788	09-Mar	16:53:14	18:18:37	01:25:23	100
12	477164	821788	10-Mar	07:47:27	07:56:27	00:08:59	39.25
12	477164	821788	10-Mar	16:54:27	18:20:34	01:26:06	100
12	477164	821788	11-Mar	16:55:58	17:30:18	00:34:20	100
12	477164	821788	11-Mar	17:30:27	18:22:30	00:52:03	100
12	477164	821788	12-Mar	16:57:50	17:27:54	00:30:04	100
12	477164	821788	12-Mar	17:30:14	18:24:26	00:54:12	100
12	477164	821788	13-Mar	17:00:18	17:24:56	00:24:38	100
12	477164	821788	13-Mar	17:30:07	18:26:22	00:56:15	100
12	477164	821788	14-Mar	17:03:55	17:20:50	00:16:54	56.36
12	477164	821788	14-Mar	17:30:06	18:28:17	00:58:11	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
12	477164	821788	15-Mar	17:30:12	18:30:13	01:00:01	100
12	477164	821788	16-Mar	17:30:24	18:32:07	01:01:43	100
12	477164	821788	17-Mar	17:30:45	18:34:02	01:03:17	100
12	477164	821788	18-Mar	17:31:13	18:35:56	01:04:43	100
12	477164	821788	19-Mar	17:31:44	18:37:50	01:06:06	100
12	477164	821788	20-Mar	17:32:15	18:39:44	01:07:29	100
12	477164	821788	21-Mar	17:32:55	18:41:37	01:08:42	100
12	477164	821788	22-Mar	17:33:46	18:43:30	01:09:44	100
12	477164	821788	23-Mar	17:34:51	18:45:23	01:10:32	100
12	477164	821788	24-Mar	17:36:12	18:47:16	01:11:04	100
12	477164	821788	25-Mar	17:37:57	18:49:09	01:11:12	100
12	477164	821788	26-Mar	17:40:19	18:51:01	01:10:42	100
12	477164	821788	27-Mar	17:43:59	18:52:54	01:08:54	42.87
12	477164	821788	28-Mar	17:52:21	18:54:46	01:02:25	100
12	477164	821788	29-Mar	17:53:24	18:56:38	01:03:14	100
12	477164	821788	30-Mar	17:54:44	18:58:29	01:03:45	100
12	477164	821788	31-Mar	17:56:30	19:00:21	01:03:51	100
12	477164	821788	01-Apr	17:58:58	19:02:12	01:03:15	95.5
12	477164	821788	02-Apr	18:03:12	19:04:04	01:00:52	23.4
12	477164	821788	03-Apr	18:12:29	19:04:24	00:51:55	100
12	477164	821788	04-Apr	18:13:27	19:03:59	00:50:32	100
12	477164	821788	05-Apr	18:14:42	19:03:24	00:48:42	100
12	477164	821788	06-Apr	18:16:17	19:02:38	00:46:21	100
12	477164	821788	07-Apr	18:18:00	19:01:40	00:43:40	100
12	477164	821788	08-Apr	18:20:30	19:00:29	00:39:59	74.75
12	477164	821788	09-Apr	18:25:50	18:29:58	00:04:09	5.24
12	477164	821788	09-Apr	18:31:30	18:59:07	00:27:37	50.59
12	477164	821788	10-Apr	18:38:02	18:57:27	00:19:26	100
12	477164	821788	11-Apr	18:39:44	18:55:18	00:15:34	100
12	477164	821788	12-Apr	18:42:26	18:52:04	00:09:38	38.81
12	477164	821788	29-Aug	18:43:34	18:51:19	00:07:45	24.62
12	477164	821788	30-Aug	18:39:53	18:54:24	00:14:31	91.23
12	477164	821788	31-Aug	18:37:32	18:56:07	00:18:35	100
12	477164	821788	01-Sep	18:31:06	18:57:16	00:26:09	32.14

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
12	477164	821788	02-Sep	18:19:27	18:58:04	00:38:37	54.11
12	477164	821788	03-Sep	18:16:00	18:58:42	00:42:42	100
12	477164	821788	04-Sep	18:13:31	18:59:06	00:45:35	100
12	477164	821788	05-Sep	18:11:21	18:59:17	00:47:56	100
12	477164	821788	06-Sep	18:09:21	18:59:18	00:49:56	100
12	477164	821788	07-Sep	18:07:41	18:59:08	00:51:27	100
12	477164	821788	08-Sep	18:06:15	18:58:48	00:52:33	100
12	477164	821788	09-Sep	17:54:02	18:56:26	01:02:25	64.18
12	477164	821788	10-Sep	17:50:28	18:53:59	01:03:31	100
12	477164	821788	11-Sep	17:47:49	18:51:31	01:03:41	100
12	477164	821788	12-Sep	17:45:41	18:49:02	01:03:22	100
12	477164	821788	13-Sep	17:43:51	18:46:33	01:02:42	100
12	477164	821788	14-Sep	17:38:45	18:44:04	01:05:20	3.8
12	477164	821788	15-Sep	17:31:49	18:41:35	01:09:46	75.57
12	477164	821788	16-Sep	17:28:17	18:39:06	01:10:49	100
12	477164	821788	17-Sep	17:25:36	18:36:36	01:11:00	100
12	477164	821788	18-Sep	17:23:24	18:34:06	01:10:42	100
12	477164	821788	19-Sep	17:21:32	18:31:37	01:10:05	100
12	477164	821788	20-Sep	17:19:54	18:29:07	01:09:12	100
12	477164	821788	21-Sep	17:18:29	18:26:37	01:08:08	100
12	477164	821788	22-Sep	17:17:14	18:24:06	01:06:53	100
12	477164	821788	23-Sep	17:16:08	18:21:36	01:05:29	100
12	477164	821788	24-Sep	17:14:58	18:19:06	01:04:09	100
12	477164	821788	25-Sep	17:13:54	18:16:36	01:02:42	100
12	477164	821788	26-Sep	17:12:58	18:14:06	01:01:08	100
12	477164	821788	27-Sep	16:54:27	16:55:09	00:00:42	0.11
12	477164	821788	27-Sep	17:12:11	18:11:36	00:59:26	100
12	477164	821788	28-Sep	16:44:30	17:03:17	00:18:46	70.63
12	477164	821788	28-Sep	17:11:30	18:09:06	00:57:37	100
12	477164	821788	29-Sep	16:40:39	17:06:25	00:25:46	100
12	477164	821788	29-Sep	17:10:55	18:06:37	00:55:41	100
12	477164	821788	30-Sep	16:37:45	17:08:37	00:30:52	100
12	477164	821788	30-Sep	17:10:28	18:04:07	00:53:39	100
12	477164	821788	01-Oct	16:35:23	18:01:38	01:26:15	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
12	477164	821788	02-Oct	16:33:22	17:59:09	01:25:48	100
12	477164	821788	03-Oct	07:25:02	07:36:31	00:11:28	64.76
12	477164	821788	03-Oct	16:31:36	17:56:40	01:25:04	100
12	477164	821788	04-Oct	07:22:11	07:38:32	00:16:21	100
12	477164	821788	04-Oct	16:30:04	17:54:12	01:24:08	100
12	477164	821788	05-Oct	07:20:09	07:40:05	00:19:56	100
12	477164	821788	05-Oct	16:28:42	17:51:44	01:23:02	100
12	477164	821788	06-Oct	07:18:37	07:41:07	00:22:29	100
12	477164	821788	06-Oct	16:27:29	17:49:16	01:21:47	100
12	477164	821788	07-Oct	07:17:26	07:41:47	00:24:20	100
12	477164	821788	07-Oct	16:26:25	17:46:49	01:20:23	100
12	477164	821788	08-Oct	07:16:31	07:42:11	00:25:40	100
12	477164	821788	08-Oct	16:25:26	17:44:22	01:18:55	100
12	477164	821788	09-Oct	07:15:50	07:42:22	00:26:32	100
12	477164	821788	09-Oct	16:24:23	17:41:55	01:17:32	100
12	477164	821788	10-Oct	07:15:21	07:42:22	00:27:00	100
12	477164	821788	10-Oct	16:23:28	17:39:29	01:16:01	100
12	477164	821788	11-Oct	07:15:04	07:42:10	00:27:06	100
12	477164	821788	11-Oct	16:22:40	17:37:04	01:14:24	100
12	477164	821788	12-Oct	07:16:20	07:41:49	00:25:29	100
12	477164	821788	12-Oct	16:21:58	17:34:39	01:12:41	100
12	477164	821788	13-Oct	07:18:15	07:41:16	00:23:01	100
12	477164	821788	13-Oct	16:21:23	17:32:15	01:10:52	100
12	477164	821788	14-Oct	07:20:12	07:40:33	00:20:21	100
12	477164	821788	14-Oct	16:20:53	17:29:51	01:08:58	100
12	477164	821788	15-Oct	07:22:08	07:39:37	00:17:29	100
12	477164	821788	15-Oct	16:20:29	17:27:28	01:06:59	100
12	477164	821788	16-Oct	07:24:05	07:38:27	00:14:22	100
12	477164	821788	16-Oct	16:20:11	17:25:06	01:04:55	100
12	477164	821788	17-Oct	07:26:03	07:37:04	00:11:01	100
12	477164	821788	17-Oct	16:19:58	17:22:44	01:02:46	100
12	477164	821788	18-Oct	07:28:00	07:35:15	00:07:15	100
12	477164	821788	18-Oct	16:19:51	17:20:24	01:00:32	100
12	477164	821788	19-Oct	07:29:59	07:32:37	00:02:38	52.29

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
12	477164	821788	19-Oct	16:19:50	17:18:04	00:58:14	100
12	477164	821788	20-Oct	16:19:54	17:15:45	00:55:51	100
12	477164	821788	21-Oct	16:20:03	17:13:27	00:53:23	100
12	477164	821788	22-Oct	16:20:19	17:11:10	00:50:51	100
12	477164	821788	23-Oct	16:20:40	17:08:53	00:48:14	100
12	477164	821788	24-Oct	16:21:07	17:06:38	00:45:31	100
12	477164	821788	25-Oct	16:21:41	17:04:24	00:42:43	100
12	477164	821788	26-Oct	16:22:21	17:02:11	00:39:50	100
12	477164	821788	27-Oct	16:23:09	16:59:59	00:36:50	100
12	477164	821788	28-Oct	16:24:05	16:57:49	00:33:44	100
12	477164	821788	29-Oct	16:25:10	16:55:40	00:30:30	100
12	477164	821788	30-Oct	16:26:25	16:53:32	00:27:06	100
12	477164	821788	31-Oct	16:27:53	16:51:25	00:23:32	100
12	477164	821788	01-Nov	16:29:37	16:49:20	00:19:43	100
12	477164	821788	02-Nov	16:31:42	16:47:16	00:15:34	100
12	477164	821788	03-Nov	16:34:21	16:45:14	00:10:53	93.48
12	477164	821788	04-Nov	16:38:13	16:43:13	00:04:59	35.47
13	477072	822318	03-Mar	07:36:55	07:40:50	00:03:55	81.67
13	477072	822318	04-Mar	07:34:30	07:42:43	00:08:13	100
13	477072	822318	05-Mar	07:32:05	07:43:56	00:11:51	100
13	477072	822318	06-Mar	07:29:39	07:44:47	00:15:09	100
13	477072	822318	07-Mar	07:27:12	07:45:24	00:18:11	100
13	477072	822318	08-Mar	07:24:46	07:45:44	00:20:58	100
13	477072	822318	09-Mar	07:22:19	07:45:51	00:23:32	100
13	477072	822318	10-Mar	07:19:51	07:45:45	00:25:54	100
13	477072	822318	11-Mar	07:17:24	07:45:27	00:28:03	100
13	477072	822318	12-Mar	07:14:56	07:44:56	00:30:00	100
13	477072	822318	13-Mar	07:12:28	07:44:13	00:31:45	100
13	477072	822318	14-Mar	07:09:59	07:43:15	00:33:15	100
13	477072	822318	15-Mar	07:07:31	07:41:59	00:34:28	100
13	477072	822318	16-Mar	07:05:02	07:40:20	00:35:18	100
13	477072	822318	17-Mar	07:02:34	07:38:08	00:35:34	100
13	477072	822318	18-Mar	07:00:05	07:36:03	00:35:58	74.07

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	19-Mar	06:57:36	07:33:51	00:36:15	100
13	477072	822318	20-Mar	06:55:07	07:31:12	00:36:05	100
13	477072	822318	21-Mar	06:52:38	07:28:38	00:35:59	100
13	477072	822318	22-Mar	06:50:10	07:27:05	00:36:55	100
13	477072	822318	23-Mar	06:47:41	07:25:02	00:37:21	100
13	477072	822318	24-Mar	06:45:12	07:22:36	00:37:24	100
13	477072	822318	25-Mar	06:42:44	07:19:11	00:36:27	100
13	477072	822318	26-Mar	06:40:16	07:16:08	00:35:53	100
13	477072	822318	26-Mar	18:50:46	18:51:01	00:00:15	42.95
13	477072	822318	27-Mar	06:37:48	07:10:25	00:32:38	100
13	477072	822318	27-Mar	18:47:13	18:52:54	00:05:41	100
13	477072	822318	28-Mar	06:35:20	07:09:52	00:34:33	100
13	477072	822318	28-Mar	18:44:49	18:54:46	00:09:57	100
13	477072	822318	29-Mar	06:32:52	07:09:08	00:36:16	100
13	477072	822318	29-Mar	18:42:57	18:56:38	00:13:40	100
13	477072	822318	30-Mar	06:30:31	07:08:11	00:37:40	100
13	477072	822318	30-Mar	18:41:27	18:58:29	00:17:02	100
13	477072	822318	31-Mar	06:30:05	07:06:59	00:36:55	100
13	477072	822318	31-Mar	18:40:13	19:00:21	00:20:08	100
13	477072	822318	01-Apr	06:29:48	07:05:30	00:35:41	100
13	477072	822318	01-Apr	18:39:05	19:02:12	00:23:07	100
13	477072	822318	02-Apr	06:29:43	07:03:34	00:33:52	100
13	477072	822318	02-Apr	18:38:09	19:04:04	00:25:55	100
13	477072	822318	03-Apr	06:29:48	07:01:18	00:31:30	100
13	477072	822318	03-Apr	18:37:23	19:05:55	00:28:32	100
13	477072	822318	04-Apr	06:30:05	06:59:22	00:29:17	100
13	477072	822318	04-Apr	18:36:47	19:07:46	00:30:59	100
13	477072	822318	05-Apr	06:30:35	06:57:05	00:26:30	100
13	477072	822318	05-Apr	18:36:19	19:09:37	00:33:17	100
13	477072	822318	06-Apr	06:31:21	06:54:44	00:23:23	100
13	477072	822318	06-Apr	18:36:01	19:11:27	00:35:27	100
13	477072	822318	07-Apr	06:32:28	06:52:58	00:20:30	100
13	477072	822318	07-Apr	18:35:51	19:13:18	00:37:27	100
13	477072	822318	08-Apr	06:34:08	06:50:36	00:16:28	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	08-Apr	18:35:49	19:15:08	00:39:19	100
13	477072	822318	09-Apr	06:36:58	06:46:43	00:09:45	34.34
13	477072	822318	09-Apr	18:35:57	19:16:59	00:41:02	100
13	477072	822318	10-Apr	18:36:14	19:18:49	00:42:35	100
13	477072	822318	11-Apr	18:36:42	19:20:39	00:43:57	100
13	477072	822318	12-Apr	18:37:22	19:22:29	00:45:08	100
13	477072	822318	13-Apr	18:38:16	19:24:19	00:46:03	100
13	477072	822318	14-Apr	18:39:28	19:26:09	00:46:41	100
13	477072	822318	15-Apr	18:40:17	19:27:59	00:47:42	100
13	477072	822318	16-Apr	18:41:22	19:29:48	00:48:26	100
13	477072	822318	17-Apr	18:42:49	19:31:38	00:48:49	100
13	477072	822318	18-Apr	18:44:42	19:33:27	00:48:45	100
13	477072	822318	19-Apr	18:46:55	19:35:17	00:48:22	75.79
13	477072	822318	20-Apr	18:50:22	19:37:06	00:46:44	100
13	477072	822318	21-Apr	18:49:41	19:38:55	00:49:14	100
13	477072	822318	22-Apr	18:49:04	19:40:44	00:51:40	100
13	477072	822318	23-Apr	18:48:34	19:42:33	00:53:59	100
13	477072	822318	24-Apr	18:48:08	19:44:21	00:56:13	100
13	477072	822318	25-Apr	18:47:47	19:46:10	00:58:22	100
13	477072	822318	26-Apr	18:47:32	19:47:58	01:00:26	100
13	477072	822318	27-Apr	18:47:21	19:49:46	01:02:25	100
13	477072	822318	28-Apr	18:47:14	19:51:33	01:04:19	100
13	477072	822318	29-Apr	18:47:12	19:53:21	01:06:09	100
13	477072	822318	30-Apr	18:47:14	19:55:08	01:07:54	100
13	477072	822318	01-May	18:47:20	19:56:54	01:09:34	100
13	477072	822318	02-May	18:47:31	19:58:40	01:11:09	100
13	477072	822318	03-May	18:47:46	20:00:26	01:12:40	100
13	477072	822318	04-May	18:48:05	20:02:11	01:14:06	100
13	477072	822318	05-May	18:48:29	20:03:56	01:15:27	100
13	477072	822318	06-May	18:48:57	20:04:47	01:15:51	100
13	477072	822318	07-May	18:49:29	20:04:44	01:15:15	100
13	477072	822318	08-May	18:50:06	20:04:36	01:14:30	100
13	477072	822318	09-May	18:50:48	20:04:24	01:13:35	100
13	477072	822318	10-May	18:51:36	20:04:08	01:12:32	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	11-May	18:52:29	20:03:48	01:11:20	100
13	477072	822318	12-May	18:53:28	20:03:24	01:09:57	100
13	477072	822318	13-May	18:54:34	20:02:57	01:08:23	100
13	477072	822318	14-May	18:55:49	20:02:25	01:06:36	100
13	477072	822318	15-May	18:57:14	20:01:49	01:04:36	100
13	477072	822318	16-May	18:58:38	20:01:13	01:02:35	100
13	477072	822318	17-May	19:00:05	20:00:33	01:00:28	100
13	477072	822318	18-May	19:01:45	19:59:48	00:58:03	100
13	477072	822318	19-May	19:03:44	19:58:57	00:55:13	80.69
13	477072	822318	20-May	19:06:19	19:20:16	00:13:57	42.54
13	477072	822318	20-May	19:20:53	19:57:59	00:37:07	100
13	477072	822318	21-May	19:10:48	19:15:51	00:05:03	5.47
13	477072	822318	21-May	19:22:27	19:56:53	00:34:26	99.25
13	477072	822318	22-May	19:24:21	19:55:34	00:31:14	63.24
13	477072	822318	23-May	19:26:54	19:53:55	00:27:01	28.34
13	477072	822318	24-May	19:35:40	19:51:31	00:15:51	23.44
13	477072	822318	17-Jul	19:48:20	19:50:47	00:02:27	1.67
13	477072	822318	18-Jul	19:39:23	19:43:54	00:04:31	5.21
13	477072	822318	18-Jul	19:44:10	20:01:57	00:17:47	34.36
13	477072	822318	19-Jul	19:35:37	20:04:09	00:28:32	38.98
13	477072	822318	20-Jul	19:33:29	20:05:48	00:32:19	73.83
13	477072	822318	21-Jul	19:18:59	19:27:27	00:08:28	15.39
13	477072	822318	21-Jul	19:31:50	20:07:09	00:35:18	100
13	477072	822318	22-Jul	19:15:33	20:08:18	00:52:45	52.32
13	477072	822318	23-Jul	19:13:16	20:09:18	00:56:02	90.29
13	477072	822318	24-Jul	19:11:27	20:10:10	00:58:43	100
13	477072	822318	25-Jul	19:09:54	20:10:56	01:01:02	100
13	477072	822318	26-Jul	19:08:33	20:11:36	01:03:03	100
13	477072	822318	27-Jul	19:07:08	20:12:13	01:05:05	100
13	477072	822318	28-Jul	19:05:45	20:12:46	01:07:01	100
13	477072	822318	29-Jul	19:04:31	20:13:15	01:08:44	100
13	477072	822318	30-Jul	19:03:24	20:13:38	01:10:14	100
13	477072	822318	31-Jul	19:02:22	20:13:56	01:11:34	100
13	477072	822318	01-Aug	19:01:25	20:14:09	01:12:44	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	02-Aug	19:00:32	20:14:17	01:13:45	100
13	477072	822318	03-Aug	18:59:44	20:14:20	01:14:37	100
13	477072	822318	04-Aug	18:58:58	20:14:18	01:15:20	100
13	477072	822318	05-Aug	18:58:17	20:14:11	01:15:54	100
13	477072	822318	06-Aug	18:57:38	20:12:48	01:15:09	100
13	477072	822318	07-Aug	18:57:03	20:10:52	01:13:49	100
13	477072	822318	08-Aug	18:56:31	20:08:55	01:12:24	100
13	477072	822318	09-Aug	18:56:02	20:06:56	01:10:54	100
13	477072	822318	10-Aug	18:55:36	20:04:56	01:09:20	100
13	477072	822318	11-Aug	18:55:13	20:02:54	01:07:41	100
13	477072	822318	12-Aug	18:54:53	20:00:51	01:05:58	100
13	477072	822318	13-Aug	18:54:36	19:58:46	01:04:10	100
13	477072	822318	14-Aug	18:54:23	19:56:40	01:02:17	100
13	477072	822318	15-Aug	18:54:13	19:54:33	01:00:20	100
13	477072	822318	16-Aug	18:54:06	19:52:24	00:58:18	100
13	477072	822318	17-Aug	18:54:03	19:50:15	00:56:11	100
13	477072	822318	18-Aug	18:54:05	19:48:04	00:53:59	100
13	477072	822318	19-Aug	18:54:10	19:45:52	00:51:43	100
13	477072	822318	20-Aug	18:54:19	19:43:39	00:49:20	100
13	477072	822318	21-Aug	18:54:34	19:41:25	00:46:52	100
13	477072	822318	22-Aug	18:51:02	19:39:10	00:48:08	68.79
13	477072	822318	23-Aug	18:48:16	19:36:54	00:48:38	100
13	477072	822318	24-Aug	18:45:54	19:34:37	00:48:43	100
13	477072	822318	25-Aug	18:43:55	19:32:19	00:48:25	100
13	477072	822318	26-Aug	18:42:17	19:30:01	00:47:44	100
13	477072	822318	27-Aug	18:40:54	19:27:41	00:46:47	100
13	477072	822318	28-Aug	18:39:15	19:25:21	00:46:06	100
13	477072	822318	29-Aug	18:37:45	19:22:59	00:45:15	100
13	477072	822318	30-Aug	18:36:29	19:20:38	00:44:09	100
13	477072	822318	31-Aug	18:35:25	19:18:15	00:42:51	100
13	477072	822318	01-Sep	18:34:31	19:15:52	00:41:22	100
13	477072	822318	02-Sep	06:36:32	06:42:42	00:06:10	15.83
13	477072	822318	02-Sep	18:33:45	19:13:28	00:39:43	100
13	477072	822318	03-Sep	06:32:23	06:47:24	00:15:01	83.92

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	03-Sep	18:33:08	19:11:04	00:37:56	100
13	477072	822318	04-Sep	06:29:55	06:49:23	00:19:28	100
13	477072	822318	04-Sep	18:32:39	19:08:39	00:36:00	100
13	477072	822318	05-Sep	06:28:04	06:50:39	00:22:35	100
13	477072	822318	05-Sep	18:32:17	19:06:13	00:33:56	100
13	477072	822318	06-Sep	06:26:35	06:52:03	00:25:27	100
13	477072	822318	06-Sep	18:32:04	19:03:47	00:31:43	100
13	477072	822318	07-Sep	06:25:23	06:53:46	00:28:23	100
13	477072	822318	07-Sep	18:31:59	19:01:21	00:29:22	100
13	477072	822318	08-Sep	06:24:24	06:55:14	00:30:50	100
13	477072	822318	08-Sep	18:32:03	18:58:54	00:26:51	100
13	477072	822318	09-Sep	06:23:37	06:56:39	00:33:02	100
13	477072	822318	09-Sep	18:32:16	18:56:26	00:24:11	100
13	477072	822318	10-Sep	06:22:59	06:58:07	00:35:07	100
13	477072	822318	10-Sep	18:32:40	18:53:59	00:21:19	100
13	477072	822318	11-Sep	06:22:33	06:59:05	00:36:32	100
13	477072	822318	11-Sep	18:33:11	18:51:31	00:18:19	100
13	477072	822318	12-Sep	06:22:16	06:59:43	00:37:27	100
13	477072	822318	12-Sep	18:33:54	18:49:02	00:15:08	100
13	477072	822318	13-Sep	06:23:05	07:00:05	00:37:01	100
13	477072	822318	13-Sep	18:34:54	18:46:33	00:11:39	100
13	477072	822318	14-Sep	06:24:51	07:00:15	00:35:24	100
13	477072	822318	14-Sep	18:36:21	18:44:04	00:07:44	100
13	477072	822318	15-Sep	06:26:38	07:00:13	00:33:35	100
13	477072	822318	15-Sep	18:38:32	18:41:35	00:03:04	76.78
13	477072	822318	16-Sep	06:28:25	07:03:09	00:34:44	100
13	477072	822318	17-Sep	06:30:12	07:06:42	00:36:30	100
13	477072	822318	18-Sep	06:31:59	07:09:10	00:37:11	100
13	477072	822318	19-Sep	06:33:47	07:11:20	00:37:33	100
13	477072	822318	20-Sep	06:35:34	07:12:54	00:37:19	100
13	477072	822318	21-Sep	06:37:22	07:13:59	00:36:37	100
13	477072	822318	22-Sep	06:39:10	07:14:42	00:35:31	100
13	477072	822318	23-Sep	06:40:59	07:17:24	00:36:25	100
13	477072	822318	24-Sep	06:42:48	07:19:07	00:36:19	100

SHADOW FLICKER SHUTDOWN TIMES BY TURBINE – SCENARIO 3 11-4

Turbine	Easting	Northing	Date	Start Time (UTC+0)	End Time (UTC+0)	Duration	%Cover
13	477072	822318	25-Sep	06:44:37	07:20:22	00:35:46	100
13	477072	822318	26-Sep	06:46:26	07:22:05	00:35:39	100
13	477072	822318	27-Sep	06:48:15	07:23:22	00:35:07	100
13	477072	822318	28-Sep	06:50:05	07:24:12	00:34:07	100
13	477072	822318	29-Sep	06:51:55	07:24:43	00:32:48	100
13	477072	822318	30-Sep	06:53:46	07:24:58	00:31:13	100
13	477072	822318	01-Oct	06:55:37	07:25:01	00:29:24	100
13	477072	822318	02-Oct	06:57:28	07:24:52	00:27:24	100
13	477072	822318	03-Oct	06:59:19	07:24:31	00:25:12	100
13	477072	822318	04-Oct	07:01:11	07:23:59	00:22:48	100
13	477072	822318	05-Oct	07:03:03	07:23:16	00:20:13	100
13	477072	822318	06-Oct	07:04:56	07:22:19	00:17:23	100
13	477072	822318	07-Oct	07:06:49	07:21:07	00:14:18	100
13	477072	822318	08-Oct	07:08:42	07:19:42	00:11:00	100
13	477072	822318	09-Oct	07:10:36	07:17:53	00:07:18	100
13	477072	822318	10-Oct	07:12:30	07:15:20	00:02:50	66.11