APPENDIX 5-3

SHADOW FLICKER ASSESSMENT -COMPARISON OF RESULTS

House ID	ITM Coordinates (Easting)	ITM Coordinates (Northing)	Dwelling Status	Distance to Nearest Turbine (metres)	Nearest Proposed Turbine No.	Max. Daily Shadow Flicker: Pre-Mitigation (hrs:min:sec)			Max. Annual Shadow Flicker Adjusted for Average Regional Sunshine (hrs:min:sec)		
						Highest Hub (103m) & Longest Blade (70m)	Lowest Hub (96m) & Shortest Blade (66m)	Lowest Hub (96m) & Longest Blade (70m)	Highest Hub (103m) & Longest Blade (70m)	Lowest Hub (96m) & Shortest Blade (66m)	Lowest Hub (96m) & Longest Blade (70m)
						HH 103 & RD 140	HH 96 & RD 132	HH 96 & RD 140	HH 103 & RD 140	HH 96 & RD 132	HH 96 & RD 140
39	642681.0637	933645.35	Occupied	1339	T05	00:27:00	00:00:00	00:27:00	3:53:26	0:00:00	3:56:54
40	642753.0286	933718.67	Occupied	1319	T05	00:27:36	00:25:48	00:27:36	4:21:06	3:58:38	4:26:18
41	642809.8265	933744.95	Occupied	1290	T05	00:28:12	00:26:24	00:28:12	4:48:46	4:22:50	4:53:58
42	642943.5079	933778.32	Occupied	1210	T05	00:30:00	00:28:48	00:30:00	6:13:30	5:45:50	6:27:20
43	643095.7058	933939.34	Occupied	1230	T05	**00:30:36**	00:28:48	00:30:00	8:21:27	7:31:19	8:02:26
44	643153.6934	933935.87	Occupied	1194	T05	**00:30:36**	00:29:24	**00:30:36**	8:07:38	7:12:18	7:43:25
45	643172.7594	933956.58	Occupied	1200	T05	00:30:00	00:29:24	00:30:00	7:24:24	6:29:04	6:56:44
46	643210.6011	933918.5	Occupied	1148	T05	**00:31:48**	00:30:00	**00:31:12**	12:04:31	7:15:45	11:38:35
47	643324.1567	933945.84	Occupied	1116	T05	**00:31:12**	00:28:48	**00:30:36**	10:48:26	9:20:15	10:22:30
48	643485.9926	934074.85	Occupied	1177	T05	00:28:48	00:27:36	00:28:48	7:00:11	6:32:31	7:24:24
49	643972.7587	934271.02	Occupied	1181	T04	00:16:48	00:01:48	00:10:48	1:28:11	0:01:44	0:34:35
50	644139.0335	934393.83	Occupied	1254	T04	00:00:00	00:00:00	00:00:00	0:00:00	0:00:00	0:00:00
51	644436.1877	934051.45	Occupied	889	T04	**00:44:24**	00:24:00	00:25:48	6:10:02	3:39:36	4:10:44
52	645425.3715	933475.74	Occupied	976	T03	**00:51:00**	**00:46:12**	**00:51:36**	23:15:26	21:07:29	23:08:31
53	642685.7625	933600.76	Occupied	1312	T05	00:27:00	00:25:48	00:27:00	3:53:26	3:32:41	3:56:54
160	641468.5061	930097.15	Occupied	857	T12	00:30:00	00:28:12	00:30:00	8:16:16	6:55:00	7:50:20
161	640652.9819	930092.62	Occupied	1358	T12	00:09:00	00:00:00	00:13:48	0:27:40	0:00:00	1:10:54
162	640634.9361	930150.92	Occupied	1338	T12	00:24:00	00:00:00	00:25:12	3:58:38	0:00:00	4:33:13
165	643305.3528	930543.36	Unoccupied/Derelict	707	T11	**00:47:24**	**00:44:24**	**00:47:24**	15:00:54	12:42:34	13:55:11
166	643900.661	933660.58	Unoccupied/Derelict	693	T04	**01:06:36**	**00:55:12**	**01:04:12**	**31:24:48**	26:17:00	29:32:24
167	640995.1119	930801.37	Occupied	750	T12	**00:45:36**	**00:43:12**	**00:45:36**	13:46:33	12:09:43	13:20:36
168	640996.1102	930519.43	Occupied	838	T12	**00:43:48**	**00:41:24**	**00:43:48**	17:46:54	13:20:36	18:24:56
Grey cell denotes exceedance											