

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR06	Point of Reception ID POR07	Point of Reception ID POR08	Point of Reception ID POR09	Point of Reception ID POR10
Point of Reception Description House 06	Point of Reception Description House 07	Point of Reception Description House 08	Point of Reception Description House 09	Point of Reception Description House 10
Point of reception coordinates X Y Z ^[1] 365333 4905535 135.5	Point of reception coordinates X Y Z ^[1] 365290 4905358 132.3	Point of reception coordinates X Y Z ^[1] 365438 4906947 136.9	Point of reception coordinates X Y Z ^[1] 365824 4906970 138.5	Point of reception coordinates X Y Z ^[1] 366076 4906749 141.0

Source ID ^[1]	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 6		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
4218	0	dBA
4215	0	dBA
4218	0	dBA
4662	0	dBA
4660	0	dBA
4662	0	dBA
4525	0	dBA
4523	0	dBA
4526	0	dBA
4514	0	dBA
4512	0	dBA
4514	0	dBA
4372	0	dBA
4369	0	dBA
4372	0	dBA
4140	0	dBA
4138	0	dBA
4140	0	dBA
4366	0	dBA
4363	0	dBA
4366	0	dBA
4401	0	dBA
2507	0	dBA
2599	0	dBA
2661	0	dBA
2746	0	dBA
2805	0	dBA
2890	0	dBA
2948	0	dBA
3033	0	dBA
3091	0	dBA
3178	0	dBA
3236	0	dBA

Point of Reception 7		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
4307	0	dBA
4304	0	dBA
4306	0	dBA
4747	0	dBA
4744	0	dBA
4747	0	dBA
4605	0	dBA
4603	0	dBA
4605	0	dBA
4600	0	dBA
4597	0	dBA
4600	0	dBA
4459	0	dBA
4456	0	dBA
4459	0	dBA
4222	0	dBA
4220	0	dBA
4222	0	dBA
4444	0	dBA
4441	0	dBA
4444	0	dBA
4468	0	dBA
2382	0	dBA
2465	0	dBA
2533	0	dBA
2611	0	dBA
2676	0	dBA
2754	0	dBA
2818	0	dBA
2897	0	dBA
2960	0	dBA
3041	0	dBA
3104	0	dBA

Point of Reception 8		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
3997	0	dBA
3996	0	dBA
3999	0	dBA
4453	0	dBA
4452	0	dBA
4454	0	dBA
4364	0	dBA
4363	0	dBA
4366	0	dBA
4301	0	dBA
4300	0	dBA
4302	0	dBA
4155	0	dBA
4154	0	dBA
4156	0	dBA
3984	0	dBA
3983	0	dBA
3986	0	dBA
4229	0	dBA
4229	0	dBA
4231	0	dBA
4357	0	dBA
3751	0	dBA
3877	0	dBA
3910	0	dBA
4023	0	dBA
4055	0	dBA
4166	0	dBA
4199	0	dBA
4310	0	dBA
4342	0	dBA
4453	0	dBA
4488	0	dBA

Point of Reception 9		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
3615	0	dBA
3614	0	dBA
3617	0	dBA
4070	0	dBA
4069	0	dBA
4072	0	dBA
3984	0	dBA
3984	0	dBA
3986	0	dBA
3918	0	dBA
3918	0	dBA
3920	0	dBA
3773	0	dBA
3772	0	dBA
3774	0	dBA
3606	0	dBA
3605	0	dBA
3608	0	dBA
3852	0	dBA
3851	0	dBA
3854	0	dBA
3985	0	dBA
3669	0	dBA
3809	0	dBA
3827	0	dBA
3953	0	dBA
3970	0	dBA
4094	0	dBA
4113	0	dBA
4236	0	dBA
4255	0	dBA
4377	0	dBA
4399	0	dBA

Point of Reception 10		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
3346	0	dBA
3345	0	dBA
3348	0	dBA
3803	0	dBA
3802	0	dBA
3805	0	dBA
3709	0	dBA
3708	0	dBA
3710	0	dBA
3651	0	dBA
3650	0	dBA
3653	0	dBA
3505	0	dBA
3504	0	dBA
3506	0	dBA
3326	0	dBA
3326	0	dBA
3328	0	dBA
3571	0	dBA
3570	0	dBA
3573	0	dBA
3692	0	dBA
3403	0	dBA
3552	0	dBA
3561	0	dBA
3693	0	dBA
3703	0	dBA
3833	0	dBA
3844	0	dBA
3973	0	dBA
3985	0	dBA
4113	0	dBA
4128	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID
POR11	POR12	POR13	POR14	POR15
Point of Reception Description House 11	Point of Reception Description House 12	Point of Reception Description House 13	Point of Reception Description House 14	Point of Reception Description House 15
Point of reception coordinates	Point of reception coordinates	Point of reception coordinates	Point of reception coordinates	Point of reception coordinates
X Y Z ^[3]	X Y Z ^[3]	X Y Z ^[3]	X Y Z ^[3]	X Z Z ^[5]
366177 4906667 141.5	366036 4906191 139.8	366475 4906165 136.1	366841 4906227 132.6	366749 4907702 138.1

Source ID ^[1]	Source Description
P1_U1	MVPP P1_U1
P1_U2	MVPP P1_U2
P1_U3	MVPP P1_U3
P2_1_U1	MVPP P2/1_U1
P3_U1	MVPP P3_U1
P3_U2	MVPP P3_U2
P3_U3	MVPP P3_U3
P3_U4	MVPP P3_U4
P3_U5	MVPP P3_U5
P3_U6	MVPP P3_U6
P4_U1	MVPP P4_U1
P4_U2	MVPP P4_U2
P4_U3	MVPP P4_U3
P4_U4	MVPP P4_U4
P4_U5	MVPP P4_U5
P6A_U1	MVPP P6A_U1
P6A_U2	MVPP P6A_U2
P6A_U3	MVPP P6A_U3
P7_9_10_U1	MVPP P7/9/10_U1
P7_9_10_U2	MVPP P7/9/10_U2
P7_9_10_U3	MVPP P7/9/10_U3
P7_9_10_U4	MVPP P7/9/10_U4
P11A_U3	MVPP P11A_U3
P12_U1	MVPP P12_U1
P12_U2	MVPP P12_U2
P12_U3	MVPP P12_U3
P12_U4	MVPP P12_U4
P12_U5	MVPP P12_U5
P12_U6	MVPP P12_U6
P12_U7	MVPP P12_U7
P14A_U1	MVPP P14A_U1
P14A_U2	MVPP P14A_U2
P14A_U3	MVPP P14A_U3
P14A_U4	MVPP P14A_U4
P14A_U5	MVPP P14A_U5
P14A_U6	MVPP P14A_U6
P14A_U7	MVPP P14A_U7
P14A_U8	MVPP P14A_U8
P14A_U9	MVPP P14A_U9
P14A_U10	MVPP P14A_U10
P14A_U11	MVPP P14A_U11
P14A_U12	MVPP P14A_U12
P14A_U13	MVPP P14A_U13
P14A_U14	MVPP P14A_U14
P14A_U15	MVPP P14A_U15
P14A_U16	MVPP P14A_U16
P14A_U17	MVPP P14A_U17
P14A_U18	MVPP P14A_U18

Point of Reception 11		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
5015	0	dBA
5037	0	dBA
5058	0	dBA
4880	0	dBA
4592	0	dBA
4497	0	dBA
4417	0	dBA
4353	0	dBA
4288	0	dBA
4232	0	dBA
4208	0	dBA
4124	0	dBA
4049	0	dBA
3971	0	dBA
3896	0	dBA
2471	0	dBA
2200	0	dBA
2395	0	dBA
2643	0	dBA
2514	0	dBA
2377	0	dBA
2251	0	dBA
1722	11	dBA
3964	0	dBA
3949	0	dBA
3933	0	dBA
4106	0	dBA
4082	0	dBA
4073	0	dBA
4066	0	dBA
2232	0	dBA
2265	0	dBA
2308	0	dBA
2361	0	dBA
2394	0	dBA
2448	0	dBA
2369	0	dBA
2389	0	dBA
2411	0	dBA
2444	0	dBA
2484	0	dBA
2534	0	dBA
2565	0	dBA
2616	0	dBA
2551	0	dBA
2574	0	dBA
2607	0	dBA
2644	0	dBA

Point of Reception 12		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
5373	0	dBA
5403	0	dBA
5432	0	dBA
5274	0	dBA
4984	0	dBA
4882	0	dBA
4793	0	dBA
4720	0	dBA
4645	0	dBA
4579	0	dBA
4633	0	dBA
4542	0	dBA
4460	0	dBA
4375	0	dBA
4292	0	dBA
2931	0	dBA
2654	0	dBA
2839	0	dBA
3139	0	dBA
3009	0	dBA
2872	0	dBA
2745	0	dBA
2213	0	dBA
4212	0	dBA
4186	0	dBA
4153	0	dBA
4351	0	dBA
4307	0	dBA
4285	0	dBA
4263	0	dBA
2541	0	dBA
2592	0	dBA
2652	0	dBA
2723	0	dBA
2765	0	dBA
2832	0	dBA
2631	0	dBA
2671	0	dBA
2707	0	dBA
2760	0	dBA
2817	0	dBA
2884	0	dBA
2924	0	dBA
2988	0	dBA
2807	0	dBA
2852	0	dBA
2905	0	dBA
2961	0	dBA

Point of Reception 13		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
5017	0	dBA
5054	0	dBA
5089	0	dBA
4951	0	dBA
4659	0	dBA
4551	0	dBA
4453	0	dBA
4373	0	dBA
4291	0	dBA
4218	0	dBA
4346	0	dBA
4247	0	dBA
4158	0	dBA
4065	0	dBA
3974	0	dBA
2714	0	dBA
2429	0	dBA
2596	0	dBA
3049	0	dBA
2913	0	dBA
2769	0	dBA
2635	0	dBA
2099	0	dBA
3801	0	dBA
3771	0	dBA
3732	0	dBA
3938	0	dBA
3887	0	dBA
3861	0	dBA
3836	0	dBA
2170	0	dBA
2232	0	dBA
2304	0	dBA
2388	0	dBA
2437	0	dBA
2515	0	dBA
2234	0	dBA
2283	0	dBA
2327	0	dBA
2390	0	dBA
2458	0	dBA
2537	0	dBA
2583	0	dBA
2657	0	dBA
2406	0	dBA
2460	0	dBA
2524	0	dBA
2591	0	dBA

Point of Reception 14		
Distance (m)	Sound Level at PoR ^[3]	Units ^[2]
4682	0	dBA
4724	0	dBA
4762	0	dBA
4638	0	dBA
4346	0	dBA
4233	0	dBA
4131	0	dBA
4046	0	dBA
3958	0	dBA
3881	0	dBA
4062	0	dBA
3958	0	dBA
3864	0	dBA
3765	0	dBA
3668	0	dBA
2500	0	dBA
2212	0	dBA
2360	0	dBA
2938	0	dBA
2800	0	dBA
2652	0	dBA
2514	0	dBA
1988	10	dBA
3435	0	dBA
3403	0	dBA
3362	0	dBA
3571	0	dBA
3518	0	dBA
3491	0	dBA
3464	0	dBA
1853	16	dBA
1903	16	dBA
1984	10	dBA
2077	0	dBA
2132	0	dBA
2218	0	dBA
1878	12	dBA
1932	16	dBA
1982	15	dBA
2052	0	dBA
2128	0	dBA
2215	0	dBA
2267	0	dBA
2348	0	dBA
2047	0	dBA
2106	0	dBA
2178	0	dBA
2251	0	dBA

Point of Reception 15		
Distance (m)	Sound Level at PoR ^[3]	Units ^[4]
4081	0	dBA
4081	0	dBA
4085	0	dBA
3859	0	dBA
3582	0	dBA
3507	0	dBA
3451	0	dBA
3410	0	dBA
3372	0	dBA
3343	0	dBA
3127	0	dBA
3059	0	dBA
3001	0	dBA
2943	0	dBA
2891	0	dBA
1334	19	dBA
1091	15	dBA
1305	13	dBA
1488	18	dBA
1354	19	dBA
1211	20	dBA
1079	21	dBA
544	21	dBA
3340	0	dBA
3356	0	dBA
3385	0	dBA
3484	0	dBA
3514	0	dBA
3537	0	dBA
3569	0	dBA
1604	17	dBA
1576	17	dBA
1555	12	dBA
1544	12	dBA
1543	12	dBA
1549	12	dBA
1858	16	dBA
1819	16	dBA
1791	16	dBA
1763	16	dBA
1745	16	dBA
1735	11	dBA
1735	11	dBA
1741	11	dBA
2029	0	dBA
1988	15	dBA
1955	15	dBA
1933	16	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR11			Point of Reception ID POR12			Point of Reception ID POR13			Point of Reception ID POR14			Point of Reception ID POR15				
Point of Reception Description House 11			Point of Reception Description House 12			Point of Reception Description House 13			Point of Reception Description House 14			Point of Reception Description House 15				
Point of reception coordinates			Point of reception coordinates			Point of reception coordinates			Point of reception coordinates			Point of reception coordinates				
X	Y	Z ⁽¹⁾	X	Y	Z ⁽¹⁾	X	Y	Z ⁽¹⁾	X	Y	Z ⁽¹⁾	X	Z	Z ⁽¹⁾		
366177	4906667	141.5	366036	4906191	139.8	366475	4906165	136.1	366841	4906227	132.6	366749	4907702	138.1		
Source ID ⁽¹⁾	Source Description	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
P14A_U19	MVPP P14A_U19	2689	0	dBA	3023	0	dBA	2663	0	dBA	2331	0	dBA	1921	10	dBA
P14A_U20	MVPP P14A_U20	2743	0	dBA	3094	0	dBA	2746	0	dBA	2423	0	dBA	1919	10	dBA
P14A_U21	MVPP P14A_U21	2797	0	dBA	3161	0	dBA	2823	0	dBA	2507	0	dBA	1927	10	dBA
P14B_U1	MVPP P14B_U1	2089	0	dBA	2429	0	dBA	2080	0	dBA	1762	16	dBA	1390	19	dBA
P14B_U2	MVPP P14B_U2	2132	0	dBA	2488	0	dBA	2152	0	dBA	1843	16	dBA	1368	19	dBA
P14B_U3	MVPP P14B_U3	2185	0	dBA	2557	0	dBA	2234	0	dBA	1935	10	dBA	1356	13	dBA
P14B_U4	MVPP P14B_U4	2220	0	dBA	2602	0	dBA	2287	0	dBA	1994	10	dBA	1354	13	dBA
P14B_U5	MVPP P14B_U5	2283	0	dBA	2678	0	dBA	2375	0	dBA	2092	0	dBA	1362	13	dBA
P14B_U6	MVPP P14B_U6	2007	0	dBA	2389	0	dBA	2077	0	dBA	1791	11	dBA	1175	14	dBA
P14B_U7	MVPP P14B_U7	2069	0	dBA	2467	0	dBA	2169	0	dBA	1893	10	dBA	1172	14	dBA
P14B_U8	MVPP P14B_U8	2159	0	dBA	2574	0	dBA	2293	0	dBA	2030	0	dBA	1189	14	dBA
P14C_U1	MVPP P14C_U1	1591	17	dBA	1944	15	dBA	1616	17	dBA	1324	19	dBA	990	22	dBA
P14C_U2	MVPP P14C_U2	1638	17	dBA	2010	0	dBA	1698	17	dBA	1419	18	dBA	942	22	dBA
P14C_U3	MVPP P14C_U3	1681	17	dBA	2069	0	dBA	1770	16	dBA	1501	18	dBA	910	22	dBA
P14C_U4	MVPP P14C_U4	1796	16	dBA	2166	0	dBA	1848	16	dBA	1560	18	dBA	1059	21	dBA
P19_20_U1	MVPP P19/20_U1	234	34	dBA	303	32	dBA	562	23	dBA	864	19	dBA	1412	18	dBA
P19_U1	MVPP P19_U1	185	30	dBA	432	23	dBA	660	15	dBA	931	12	dBA	1316	13	dBA
P19_U2	MVPP P19_U2	230	28	dBA	537	21	dBA	762	14	dBA	1016	11	dBA	1263	14	dBA
P19_U3	MVPP P19_U3	316	26	dBA	652	19	dBA	875	13	dBA	1113	10	dBA	1213	14	dBA
P19_U4	MVPP P19_U4	388	30	dBA	467	28	dBA	801	20	dBA	1106	17	dBA	1463	18	dBA
P19_U5	MVPP P19_U5	430	23	dBA	585	20	dBA	903	12	dBA	1191	10	dBA	1416	13	dBA
P20_U1	MVPP P20_U1	660	25	dBA	752	24	dBA	1113	17	dBA	1416	15	dBA	1561	17	dBA
P21_U1	MVPP P21_U1	1733	7	dBA	1291	9	dBA	1632	7	dBA	1983	5	dBA	2903	0	dBA
P21_U2	MVPP P21_U2	1669	17	dBA	1251	20	dBA	1619	13	dBA	1979	12	dBA	2827	0	dBA
P21_U3	MVPP P21_U3	1624	17	dBA	1232	20	dBA	1620	13	dBA	1986	11	dBA	2767	0	dBA
P21_U4	MVPP P21_U4	1554	18	dBA	1213	20	dBA	1629	13	dBA	2000	11	dBA	2662	0	dBA
P21_U5	MVPP P21_U5	1538	18	dBA	1224	20	dBA	1649	13	dBA	2020	0	dBA	2626	0	dBA
P21_U6	MVPP P21_U6	1529	18	dBA	1245	20	dBA	1678	13	dBA	2048	0	dBA	2590	0	dBA
P21_U7	MVPP P21_U7	1526	18	dBA	1275	19	dBA	1713	13	dBA	2082	0	dBA	2558	0	dBA
P21_U8	MVPP P21_U8	1532	12	dBA	1314	13	dBA	1753	6	dBA	2120	0	dBA	2531	0	dBA
P21_U9	MVPP P21_U9	1550	12	dBA	1375	9	dBA	1815	6	dBA	2177	0	dBA	2502	0	dBA
P22_U1	MVPP P22_U1	1856	16	dBA	1429	18	dBA	1784	13	dBA	2139	0	dBA	3016	0	dBA
P22_U2	MVPP P22_U2	1797	16	dBA	1397	19	dBA	1776	13	dBA	2139	0	dBA	2941	0	dBA
P22_U3	MVPP P22_U3	1752	16	dBA	1392	19	dBA	1797	12	dBA	2165	0	dBA	2867	0	dBA
P22_U4	MVPP P22_U4	1720	17	dBA	1403	18	dBA	1825	12	dBA	2196	0	dBA	2800	0	dBA
P22_U5	MVPP P22_U5	1709	11	dBA	1430	13	dBA	1862	6	dBA	2233	0	dBA	2754	0	dBA
P22_U6	MVPP P22_U6	1787	11	dBA	1559	7	dBA	1997	5	dBA	2365	0	dBA	2774	0	dBA
P23_U1	MVPP P23_U1	2043	0	dBA	1630	17	dBA	1994	11	dBA	2351	0	dBA	3192	0	dBA
P23_U2	MVPP P23_U2	1997	15	dBA	1607	17	dBA	1989	11	dBA	2351	0	dBA	3130	0	dBA
P23_U3	MVPP P23_U3	1962	15	dBA	1596	17	dBA	1994	11	dBA	2362	0	dBA	3075	0	dBA
P23_U4	MVPP P23_U4	1935	16	dBA	1597	17	dBA	2009	0	dBA	2379	0	dBA	3025	0	dBA
P23_U5	MVPP P23_U5	1917	16	dBA	1614	17	dBA	2038	0	dBA	2409	0	dBA	2974	0	dBA
P23_U6	MVPP P23_U6	1912	10	dBA	1641	7	dBA	2072	0	dBA	2443	0	dBA	2936	0	dBA
P23_U7	MVPP P23_U7	1916	10	dBA	1678	7	dBA	2115	0	dBA	2484	0	dBA	2902	0	dBA
P24_U1	MVPP P24_U1	1995	11	dBA	1522	18	dBA	1804	12	dBA	2129	0	dBA	3176	0	dBA
P24_U2	MVPP P24_U2	1867	12	dBA	1400	15	dBA	1699	13	dBA	2033	0	dBA	3047	0	dBA
P24_U3	MVPP P24_U3	1849	12	dBA	1364	19	dBA	1613	14	dBA	1926	12	dBA	3032	0	dBA
TS	Transformer Station	3903	0	dBA	4292	0	dBA	3969	0	dBA	3658	0	dBA	2912	0	dBA
H1T	Hut 1 Transformer	3545	0	dBA	3653	0	dBA	3213	0	dBA	2847	0	dBA	3311	0	dBA
H1I1	Hut 1 Inverter 1	3545	0	dBA	3651	0	dBA	3212	0	dBA	2846	0	dBA	3312	0	dBA
H1I2	Hut 1 Inverter 2	3547	0	dBA	3654	0	dBA	3214	0	dBA	2849	0	dBA	3314	0	dBA
H2T	Hut 2 Transformer	3366	0	dBA	3471	0	dBA	3031	0	dBA	2666	0	dBA	3150	0	dBA
H2I1	Hut 2 Inverter 1	3365	0	dBA	3470	0	dBA	3030	0	dBA	2664	0	dBA	3152	0	dBA
H2I2	Hut 2 Inverter 2	3367	0	dBA	3472	0	dBA	3033	0	dBA	2667	0	dBA	3154	0	dBA
H3T	Hut 3 Transformer	3186	0	dBA	3289	0	dBA	2850	0	dBA	2484	0	dBA	2993	0	dBA
H3I1	Hut 3 Inverter 1	3185	0	dBA	3288	0	dBA	2848	0	dBA	2483	0	dBA	2994	0	dBA
H3I2	Hut 3 Inverter 2	3188	0	dBA	3290	0	dBA	2851	0	dBA	2485	0	dBA	2996	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR11	Point of Reception ID POR12	Point of Reception ID POR13	Point of Reception ID POR14	Point of Reception ID POR15
Point of Reception Description House 11	Point of Reception Description House 12	Point of Reception Description House 13	Point of Reception Description House 14	Point of Reception Description House 15
Point of reception coordinates X Y Z ⁽¹⁾ 366177 4906667 141.5	Point of reception coordinates X Y Z ⁽¹⁾ 366036 4906191 139.8	Point of reception coordinates X Y Z ⁽¹⁾ 366475 4906165 136.1	X Y Z ⁽¹⁾ 366841 4906227 132.6	X Z Z ⁽¹⁾ 366749 4907702 138.1

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 11		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾
3243	0	dBA
3242	0	dBA
3244	0	dBA
3700	0	dBA
3699	0	dBA
3702	0	dBA
3602	0	dBA
3601	0	dBA
3604	0	dBA
3548	0	dBA
3547	0	dBA
3549	0	dBA
3402	0	dBA
3400	0	dBA
3403	0	dBA
3219	0	dBA
3218	0	dBA
3220	0	dBA
3463	0	dBA
3462	0	dBA
3465	0	dBA
3579	0	dBA
3306	0	dBA
3458	0	dBA
3464	0	dBA
3599	0	dBA
3605	0	dBA
3737	0	dBA
3745	0	dBA
3877	0	dBA
3885	0	dBA
4016	0	dBA
4027	0	dBA

Point of Reception 12		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾
3406	0	dBA
3404	0	dBA
3406	0	dBA
3860	0	dBA
3859	0	dBA
3861	0	dBA
3742	0	dBA
3741	0	dBA
3743	0	dBA
3709	0	dBA
3707	0	dBA
3710	0	dBA
3563	0	dBA
3561	0	dBA
3564	0	dBA
3354	0	dBA
3352	0	dBA
3355	0	dBA
3591	0	dBA
3590	0	dBA
3592	0	dBA
3670	0	dBA
2862	0	dBA
3005	0	dBA
3020	0	dBA
3148	0	dBA
3163	0	dBA
3288	0	dBA
3306	0	dBA
3430	0	dBA
3448	0	dBA
3571	0	dBA
3591	0	dBA

Point of Reception 13		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾
2973	0	dBA
2971	0	dBA
2973	0	dBA
3426	0	dBA
3425	0	dBA
3427	0	dBA
3305	0	dBA
3304	0	dBA
3306	0	dBA
3275	0	dBA
3273	0	dBA
3276	0	dBA
3130	0	dBA
3128	0	dBA
3130	0	dBA
2917	0	dBA
2915	0	dBA
2918	0	dBA
3153	0	dBA
3152	0	dBA
3154	0	dBA
3230	0	dBA
2778	0	dBA
2940	0	dBA
2933	0	dBA
3076	0	dBA
3071	0	dBA
3211	0	dBA
3209	0	dBA
3347	0	dBA
3347	0	dBA
3484	0	dBA
3486	0	dBA

Point of Reception 14		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽²⁾
2602	0	dBA
2600	0	dBA
2602	0	dBA
3055	0	dBA
3054	0	dBA
3056	0	dBA
2936	0	dBA
2934	0	dBA
2937	0	dBA
2904	0	dBA
2902	0	dBA
2905	0	dBA
2759	0	dBA
2757	0	dBA
2759	0	dBA
2547	0	dBA
2546	0	dBA
2548	0	dBA
2785	0	dBA
2783	0	dBA
2786	0	dBA
2867	0	dBA
2843	0	dBA
3018	0	dBA
2993	0	dBA
3147	0	dBA
3124	0	dBA
3276	0	dBA
3256	0	dBA
3406	0	dBA
3388	0	dBA
3537	0	dBA
3523	0	dBA

Point of Reception 15		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2895	0	dBA
2895	0	dBA
2897	0	dBA
3321	0	dBA
3321	0	dBA
3324	0	dBA
3281	0	dBA
3282	0	dBA
3284	0	dBA
3178	0	dBA
3178	0	dBA
3181	0	dBA
3041	0	dBA
3042	0	dBA
3044	0	dBA
2942	0	dBA
2943	0	dBA
2945	0	dBA
3181	0	dBA
3182	0	dBA
3185	0	dBA
3381	0	dBA
4311	0	dBA
4481	0	dBA
4463	0	dBA
4614	0	dBA
4597	0	dBA
4745	0	dBA
4730	0	dBA
4877	0	dBA
4864	0	dBA
5010	0	dBA
4999	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	
POR16	POR17	POR18	POR19	POR20	
Point of Reception Description House 16	Point of Reception Description House 17	Point of Reception Description House 18	Point of Reception Description House 19	Point of Reception Description House 20	
X	Y	Z ^[5]	X	Y	Z
366878	4907989	138.5	366607	4908072	135.3
X	Y	Z	X	Y	Z
366624	4908373	139.6	366652	4908460	141.9
X	Y	Z	X	Y	Z
366655	4908543	142.3			

Source ID ^[1]	Source Description
P1_U1	MVPP P1_U1
P1_U2	MVPP P1_U2
P1_U3	MVPP P1_U3
P2_U1	MVPP P2/1_U1
P3_U1	MVPP P3_U1
P3_U2	MVPP P3_U2
P3_U3	MVPP P3_U3
P3_U4	MVPP P3_U4
P3_U5	MVPP P3_U5
P3_U6	MVPP P3_U6
P4_U1	MVPP P4_U1
P4_U2	MVPP P4_U2
P4_U3	MVPP P4_U3
P4_U4	MVPP P4_U4
P4_U5	MVPP P4_U5
P6A_U1	MVPP P6A_U1
P6A_U2	MVPP P6A_U2
P6A_U3	MVPP P6A_U3
P7_9_U1	MVPP P7/9/10_U1
P7_9_U2	MVPP P7/9/10_U2
P7_9_U3	MVPP P7/9/10_U3
P7_9_U4	MVPP P7/9/10_U4
P11A_U3	MVPP P11A_U3
P12_U1	MVPP P12_U1
P12_U2	MVPP P12_U2
P12_U3	MVPP P12_U3
P12_U4	MVPP P12_U4
P12_U5	MVPP P12_U5
P12_U6	MVPP P12_U6
P12_U7	MVPP P12_U7
P14A_U1	MVPP P14A_U1
P14A_U2	MVPP P14A_U2
P14A_U3	MVPP P14A_U3
P14A_U4	MVPP P14A_U4
P14A_U5	MVPP P14A_U5
P14A_U6	MVPP P14A_U6
P14A_U7	MVPP P14A_U7
P14A_U8	MVPP P14A_U8
P14A_U9	MVPP P14A_U9
P14A_U10	MVPP P14A_U10
P14A_U11	MVPP P14A_U11
P14A_U12	MVPP P14A_U12
P14A_U13	MVPP P14A_U13
P14A_U14	MVPP P14A_U14
P14A_U15	MVPP P14A_U15
P14A_U16	MVPP P14A_U16
P14A_U17	MVPP P14A_U17
P14A_U18	MVPP P14A_U18

Point of Reception 16		
Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
3875	0	dBA
3867	0	dBA
3865	0	dBA
3621	0	dBA
3350	0	dBA
3283	0	dBA
3238	0	dBA
3206	0	dBA
3179	0	dBA
3160	0	dBA
2868	0	dBA
2808	0	dBA
2757	0	dBA
2709	0	dBA
2666	0	dBA
1062	21	dBA
849	17	dBA
1068	15	dBA
1182	20	dBA
1046	21	dBA
901	23	dBA
767	24	dBA
231	28	dBA
3253	0	dBA
3278	0	dBA
3321	0	dBA
3395	0	dBA
3442	0	dBA
3475	0	dBA
3519	0	dBA
1577	17	dBA
1526	18	dBA
1480	12	dBA
1441	13	dBA
1425	13	dBA
1408	13	dBA
1857	16	dBA
1798	16	dBA
1755	16	dBA
1705	17	dBA
1664	17	dBA
1630	11	dBA
1616	12	dBA
1602	12	dBA
2015	0	dBA
1953	15	dBA
1897	16	dBA
1853	16	dBA

Point of Reception 17		
Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
4118	0	dBA
4106	0	dBA
4098	0	dBA
3842	0	dBA
3576	0	dBA
3516	0	dBA
3478	0	dBA
3452	0	dBA
3431	0	dBA
3417	0	dBA
3070	0	dBA
3018	0	dBA
2975	0	dBA
2935	0	dBA
2901	0	dBA
1268	16	dBA
1090	11	dBA
1307	9	dBA
1176	17	dBA
1052	18	dBA
923	22	dBA
809	23	dBA
356	25	dBA
3535	0	dBA
3561	0	dBA
3605	0	dBA
3677	0	dBA
3725	0	dBA
3759	0	dBA
3803	0	dBA
1859	12	dBA
1809	12	dBA
1764	6	dBA
1724	7	dBA
1706	7	dBA
1685	7	dBA
2135	0	dBA
2080	0	dBA
2037	0	dBA
1989	11	dBA
1947	12	dBA
1912	6	dBA
1896	6	dBA
1878	6	dBA
2295	0	dBA
2236	0	dBA
2181	0	dBA
2137	0	dBA

Point of Reception 18		
Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
4045	0	dBA
4023	0	dBA
4007	0	dBA
3730	0	dBA
3475	0	dBA
3426	0	dBA
3401	0	dBA
3387	0	dBA
3379	0	dBA
3377	0	dBA
2936	0	dBA
2896	0	dBA
2865	0	dBA
2838	0	dBA
2817	0	dBA
1172	17	dBA
1058	11	dBA
1262	9	dBA
898	19	dBA
782	20	dBA
668	22	dBA
577	27	dBA
348	25	dBA
3589	0	dBA
3624	0	dBA
3680	0	dBA
3728	0	dBA
3792	0	dBA
3834	0	dBA
3888	0	dBA
1984	15	dBA
1920	16	dBA
1856	10	dBA
1795	11	dBA
1764	11	dBA
1724	11	dBA
2274	0	dBA
2206	0	dBA
2152	0	dBA
2088	0	dBA
2030	0	dBA
1974	10	dBA
1947	10	dBA
1911	10	dBA
2423	0	dBA
2349	0	dBA
2277	0	dBA
2216	0	dBA

Point of Reception 19		
Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
4005	0	dBA
3980	0	dBA
3962	0	dBA
3680	0	dBA
3427	0	dBA
3382	0	dBA
3360	0	dBA
3350	0	dBA
3345	0	dBA
3347	0	dBA
2880	0	dBA
2844	0	dBA
2816	0	dBA
2793	0	dBA
2776	0	dBA
2776	0	dBA
1135	17	dBA
1042	15	dBA
1239	14	dBA
808	24	dBA
695	25	dBA
586	26	dBA
504	28	dBA
374	24	dBA
3587	0	dBA
3625	0	dBA
3684	0	dBA
3725	0	dBA
3793	0	dBA
3839	0	dBA
3895	0	dBA
2008	0	dBA
1939	15	dBA
1870	10	dBA
1803	11	dBA
1769	11	dBA
1722	11	dBA
2302	0	dBA
2229	0	dBA
2173	0	dBA
2103	0	dBA
2040	0	dBA
1979	10	dBA
1948	10	dBA
1907	10	dBA
2446	0	dBA
2368	0	dBA
2290	0	dBA
2225	0	dBA

Point of Reception 20		
Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
3991	0	dBA
3964	0	dBA
3943	0	dBA
3656	0	dBA
3406	0	dBA
3365	0	dBA
3347	0	dBA
3340	0	dBA
3339	0	dBA
3344	0	dBA
2850	0	dBA
2818	0	dBA
2794	0	dBA
2775	0	dBA
2762	0	dBA
1128	17	dBA
1056	15	dBA
1246	9	dBA
736	24	dBA
628	26	dBA
529	27	dBA
462	29	dBA
431	23	dBA
3610	0	dBA
3649	0	dBA
3712	0	dBA
3746	0	dBA
3819	0	dBA
3866	0	dBA
3925	0	dBA
2053	0	dBA
1981	15	dBA
1907	10	dBA
1836	10	dBA
1798	11	dBA
1747	11	dBA
2349	0	dBA
2274	0	dBA
2214	0	dBA
2141	0	dBA
2074	0	dBA
2009	0	dBA
1975	10	dBA
1929	10	dBA
2490	0	dBA
2408	0	dBA
2327	0	dBA
2257	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR16				Point of Reception ID POR17				Point of Reception ID POR18				Point of Reception ID POR19				Point of Reception ID POR20			
Point of Reception Description House 16				Point of Reception Description House 17				Point of Reception Description House 18				Point of Reception Description House 19				Point of Reception Description House 20			
X	Y	Z ⁽²⁾		X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z	
366678	4907989	138.5		366607	4908072	135.3		366624	4908373	139.6		366652	4908460	141.9		366655	4908543	142.3	
Source ID ⁽¹⁾	Source Description			Point of Reception 16			Point of Reception 17			Point of Reception 18			Point of Reception 19			Point of Reception 20			
	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	
P14A_U19	MVPP P14A_U19	1819	11	dBA	2101	0	dBA	2162	0	dBA	2166	0	dBA	2194	0	dBA			
P14A_U20	MVPP P14A_U20	1794	11	dBA	2072	0	dBA	2113	0	dBA	2111	0	dBA	2134	0	dBA			
P14A_U21	MVPP P14A_U21	1783	11	dBA	2057	0	dBA	2080	0	dBA	2072	0	dBA	2090	0	dBA			
P14B_U1	MVPP P14B_U1	1352	19	dBA	1634	13	dBA	1757	16	dBA	1782	16	dBA	1827	16	dBA			
P14B_U2	MVPP P14B_U2	1304	19	dBA	1587	14	dBA	1693	17	dBA	1712	17	dBA	1754	16	dBA			
P14B_U3	MVPP P14B_U3	1262	14	dBA	1546	8	dBA	1630	11	dBA	1643	11	dBA	1680	11	dBA			
P14B_U4	MVPP P14B_U4	1243	14	dBA	1525	8	dBA	1595	12	dBA	1605	12	dBA	1639	11	dBA			
P14B_U5	MVPP P14B_U5	1222	14	dBA	1500	8	dBA	1547	12	dBA	1549	12	dBA	1577	12	dBA			
P14B_U6	MVPP P14B_U6	1098	15	dBA	1381	9	dBA	1485	12	dBA	1505	12	dBA	1548	12	dBA			
P14B_U7	MVPP P14B_U7	1060	15	dBA	1343	9	dBA	1422	13	dBA	1436	13	dBA	1473	12	dBA			
P14B_U8	MVPP P14B_U8	1035	15	dBA	1311	9	dBA	1355	13	dBA	1359	13	dBA	1389	13	dBA			
P14C_U1	MVPP P14C_U1	1044	21	dBA	1306	16	dBA	1496	18	dBA	1542	18	dBA	1604	17	dBA			
P14C_U2	MVPP P14C_U2	964	22	dBA	1234	16	dBA	1408	18	dBA	1450	18	dBA	1509	18	dBA			
P14C_U3	MVPP P14C_U3	902	23	dBA	1177	17	dBA	1336	19	dBA	1374	19	dBA	1431	18	dBA			
P14C_U4	MVPP P14C_U4	1043	21	dBA	1321	15	dBA	1469	18	dBA	1503	18	dBA	1556	18	dBA			
P19_20_U1	MVPP P19/20_U1	1725	17	dBA	1684	17	dBA	1974	15	dBA	2065	0	dBA	2145	0	dBA			
P19_U1	MVPP P19_U1	1627	12	dBA	1573	12	dBA	1860	10	dBA	1952	10	dBA	2031	0	dBA			
P19_U2	MVPP P19_U2	1569	12	dBA	1501	12	dBA	1783	11	dBA	1874	10	dBA	1952	10	dBA			
P19_U3	MVPP P19_U3	1513	12	dBA	1426	13	dBA	1702	11	dBA	1793	11	dBA	1870	10	dBA			
P19_U4	MVPP P19_U4	1767	16	dBA	1688	17	dBA	1964	15	dBA	2055	0	dBA	2132	0	dBA			
P19_U5	MVPP P19_U5	1713	11	dBA	1618	12	dBA	1887	10	dBA	1977	10	dBA	2053	0	dBA			
P20_U1	MVPP P20_U1	1846	16	dBA	1720	17	dBA	1972	15	dBA	2060	0	dBA	2131	0	dBA			
P21_U1	MVPP P21_U1	3213	0	dBA	3140	0	dBA	3414	0	dBA	3504	0	dBA	3580	0	dBA			
P21_U2	MVPP P21_U2	3134	0	dBA	3050	0	dBA	3319	0	dBA	3408	0	dBA	3483	0	dBA			
P21_U3	MVPP P21_U3	3071	0	dBA	2978	0	dBA	3242	0	dBA	3331	0	dBA	3404	0	dBA			
P21_U4	MVPP P21_U4	2959	0	dBA	2850	0	dBA	3105	0	dBA	3192	0	dBA	3264	0	dBA			
P21_U5	MVPP P21_U5	2920	0	dBA	2802	0	dBA	3053	0	dBA	3140	0	dBA	3210	0	dBA			
P21_U6	MVPP P21_U6	2880	0	dBA	2753	0	dBA	2998	0	dBA	3084	0	dBA	3153	0	dBA			
P21_U7	MVPP P21_U7	2843	0	dBA	2708	0	dBA	2946	0	dBA	3031	0	dBA	3099	0	dBA			
P21_U8	MVPP P21_U8	2810	0	dBA	2666	0	dBA	2898	0	dBA	2982	0	dBA	3048	0	dBA			
P21_U9	MVPP P21_U9	2773	0	dBA	2617	0	dBA	2839	0	dBA	2922	0	dBA	2985	0	dBA			
P22_U1	MVPP P22_U1	3323	0	dBA	3240	0	dBA	3508	0	dBA	3598	0	dBA	3672	0	dBA			
P22_U2	MVPP P22_U2	3244	0	dBA	3150	0	dBA	3412	0	dBA	3501	0	dBA	3574	0	dBA			
P22_U3	MVPP P22_U3	3165	0	dBA	3055	0	dBA	3310	0	dBA	3397	0	dBA	3468	0	dBA			
P22_U4	MVPP P22_U4	3092	0	dBA	2969	0	dBA	3214	0	dBA	3301	0	dBA	3369	0	dBA			
P22_U5	MVPP P22_U5	3039	0	dBA	2904	0	dBA	3142	0	dBA	3227	0	dBA	3294	0	dBA			
P22_U6	MVPP P22_U6	3049	0	dBA	2896	0	dBA	3120	0	dBA	3202	0	dBA	3266	0	dBA			
P23_U1	MVPP P23_U1	3496	0	dBA	3402	0	dBA	3664	0	dBA	3753	0	dBA	3826	0	dBA			
P23_U2	MVPP P23_U2	3431	0	dBA	3328	0	dBA	3585	0	dBA	3673	0	dBA	3745	0	dBA			
P23_U3	MVPP P23_U3	3372	0	dBA	3259	0	dBA	3510	0	dBA	3597	0	dBA	3668	0	dBA			
P23_U4	MVPP P23_U4	3317	0	dBA	3194	0	dBA	3439	0	dBA	3525	0	dBA	3594	0	dBA			
P23_U5	MVPP P23_U5	3260	0	dBA	3125	0	dBA	3362	0	dBA	3447	0	dBA	3514	0	dBA			
P23_U6	MVPP P23_U6	3216	0	dBA	3071	0	dBA	3300	0	dBA	3384	0	dBA	3449	0	dBA			
P23_U7	MVPP P23_U7	3176	0	dBA	3021	0	dBA	3242	0	dBA	3324	0	dBA	3387	0	dBA			
P24_U1	MVPP P24_U1	3489	0	dBA	3435	0	dBA	3716	0	dBA	3807	0	dBA	3884	0	dBA			
P24_U2	MVPP P24_U2	3360	0	dBA	3302	0	dBA	3581	0	dBA	3672	0	dBA	3749	0	dBA			
P24_U3	MVPP P24_U3	3346	0	dBA	3307	0	dBA	3593	0	dBA	3684	0	dBA	3763	0	dBA			
TS	Transformer Station	2694	0	dBA	2933	0	dBA	2857	0	dBA	2818	0	dBA	2805	0	dBA			
H1T	Hut 1 Transformer	3343	0	dBA	3617	0	dBA	3770	0	dBA	3799	0	dBA	3846	0	dBA			
H1I1	Hut 1 Inverter 1	3345	0	dBA	3619	0	dBA	3771	0	dBA	3800	0	dBA	3848	0	dBA			
H1I2	Hut 1 Inverter 2	3347	0	dBA	3621	0	dBA	3774	0	dBA	3802	0	dBA	3850	0	dBA			
H2T	Hut 2 Transformer	3192	0	dBA	3464	0	dBA	3624	0	dBA	3655	0	dBA	3704	0	dBA			
H2I1	Hut 2 Inverter 1	3194	0	dBA	3465	0	dBA	3625	0	dBA	3657	0	dBA	3706	0	dBA			
H2I2	Hut 2 Inverter 2	3196	0	dBA	3467	0	dBA	3627	0	dBA	3659	0	dBA	3708	0	dBA			
H3T	Hut 3 Transformer	3044	0	dBA	3313	0	dBA	3481	0	dBA	3515	0	dBA	3566	0	dBA			
H3I1	Hut 3 Inverter 1	3046	0	dBA	3315	0	dBA	3483	0	dBA	3517	0	dBA	3569	0	dBA			
H3I2	Hut 3 Inverter 2	3048	0	dBA	3317	0	dBA	3485	0	dBA	3519	0	dBA	3570	0	dBA			

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID POR16	Point of Reception ID POR17	Point of Reception ID POR18	Point of Reception ID POR19	Point of Reception ID POR20
Point of Reception Description House 16	Point of Reception Description House 17	Point of Reception Description House 18	Point of Reception Description House 19	Point of Reception Description House 20
X Y Z ⁽²⁾	X Y Z	X Y Z	X Y Z	X Y Z
366878 4907989 138.5	366607 4908072 135.3	366624 4908373 139.6	366652 4908460 141.9	366655 4908543 142.3

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 16		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2904	0	dBA
2905	0	dBA
2907	0	dBA
3311	0	dBA
3312	0	dBA
3315	0	dBA
3290	0	dBA
3291	0	dBA
3293	0	dBA
3174	0	dBA
3175	0	dBA
3177	0	dBA
3044	0	dBA
3045	0	dBA
3047	0	dBA
2971	0	dBA
2972	0	dBA
2975	0	dBA
3204	0	dBA
3205	0	dBA
3207	0	dBA
3422	0	dBA
4603	0	dBA
4776	0	dBA
4754	0	dBA
4907	0	dBA
4886	0	dBA
5037	0	dBA
5018	0	dBA
5167	0	dBA
5150	0	dBA
5299	0	dBA
5284	0	dBA

Point of Reception 17		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3182	0	dBA
3183	0	dBA
3185	0	dBA
3593	0	dBA
3593	0	dBA
3596	0	dBA
3570	0	dBA
3572	0	dBA
3454	0	dBA
3455	0	dBA
3458	0	dBA
3323	0	dBA
3324	0	dBA
3326	0	dBA
3245	0	dBA
3247	0	dBA
3249	0	dBA
3480	0	dBA
3481	0	dBA
3483	0	dBA
3694	0	dBA
4680	0	dBA
4847	0	dBA
4833	0	dBA
4981	0	dBA
4968	0	dBA
5114	0	dBA
5103	0	dBA
5248	0	dBA
5238	0	dBA
5382	0	dBA
5375	0	dBA

Point of Reception 18		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3319	0	dBA
3321	0	dBA
3323	0	dBA
3713	0	dBA
3714	0	dBA
3716	0	dBA
3703	0	dBA
3704	0	dBA
3706	0	dBA
3580	0	dBA
3581	0	dBA
3583	0	dBA
3454	0	dBA
3455	0	dBA
3457	0	dBA
3397	0	dBA
3399	0	dBA
3401	0	dBA
3625	0	dBA
3626	0	dBA
3629	0	dBA
3853	0	dBA
4981	0	dBA
5148	0	dBA
5134	0	dBA
5282	0	dBA
5269	0	dBA
5415	0	dBA
5404	0	dBA
5548	0	dBA
5538	0	dBA
5682	0	dBA
5675	0	dBA

Point of Reception 19		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3344	0	dBA
3345	0	dBA
3347	0	dBA
3731	0	dBA
3732	0	dBA
3734	0	dBA
3726	0	dBA
3727	0	dBA
3729	0	dBA
3600	0	dBA
3601	0	dBA
3604	0	dBA
3476	0	dBA
3477	0	dBA
3480	0	dBA
3426	0	dBA
3428	0	dBA
3430	0	dBA
3651	0	dBA
3653	0	dBA
3655	0	dBA
3884	0	dBA
5068	0	dBA
5235	0	dBA
5221	0	dBA
5369	0	dBA
5355	0	dBA
5502	0	dBA
5490	0	dBA
5635	0	dBA
5624	0	dBA
5769	0	dBA
5760	0	dBA

Point of Reception 20		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3388	0	dBA
3390	0	dBA
3392	0	dBA
3770	0	dBA
3772	0	dBA
3774	0	dBA
3769	0	dBA
3770	0	dBA
3772	0	dBA
3641	0	dBA
3642	0	dBA
3645	0	dBA
3518	0	dBA
3520	0	dBA
3522	0	dBA
3474	0	dBA
3476	0	dBA
3478	0	dBA
3697	0	dBA
3699	0	dBA
3701	0	dBA
3933	0	dBA
5151	0	dBA
5318	0	dBA
5304	0	dBA
5452	0	dBA
5438	0	dBA
5585	0	dBA
5572	0	dBA
5718	0	dBA
5707	0	dBA
5851	0	dBA
5843	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	
POR21	POR22	POR23	POR24	POR25	
Point of Reception Description House 21	Point of Reception Description House 22	Point of Reception Description House 23	Point of Reception Description House 24	Point of Reception Description House 25	
X	Y	Z	X	Y	Z
366582	4908917	133.9	366648	4909043	136.0
X	Y	Z	X	Y	Z
367120	4908246	138.5	367056	4908173	138.5
X	Y	Z	X	Y	Z
367336	4907996	137.2			

Source ID ⁽¹⁾	Source Description
P1_U1	MVPP P1_U1
P1_U2	MVPP P1_U2
P1_U3	MVPP P1_U3
P2_1_U1	MVPP P2/1_U1
P3_U1	MVPP P3_U1
P3_U2	MVPP P3_U2
P3_U3	MVPP P3_U3
P3_U4	MVPP P3_U4
P3_U5	MVPP P3_U5
P3_U6	MVPP P3_U6
P4_U1	MVPP P4_U1
P4_U2	MVPP P4_U2
P4_U3	MVPP P4_U3
P4_U4	MVPP P4_U4
P4_U5	MVPP P4_U5
P6A_U1	MVPP P6A_U1
P6A_U2	MVPP P6A_U2
P6A_U3	MVPP P6A_U3
P7_9_10_U1	MVPP P7/9/10_U1
P7_9_10_U2	MVPP P7/9/10_U2
P7_9_10_U3	MVPP P7/9/10_U3
P7_9_10_U4	MVPP P7/9/10_U4
P11A_U3	MVPP P11A_U3
P12_U1	MVPP P12_U1
P12_U2	MVPP P12_U2
P12_U3	MVPP P12_U3
P12_U4	MVPP P12_U4
P12_U5	MVPP P12_U5
P12_U6	MVPP P12_U6
P12_U7	MVPP P12_U7
P14A_U1	MVPP P14A_U1
P14A_U2	MVPP P14A_U2
P14A_U3	MVPP P14A_U3
P14A_U4	MVPP P14A_U4
P14A_U5	MVPP P14A_U5
P14A_U6	MVPP P14A_U6
P14A_U7	MVPP P14A_U7
P14A_U8	MVPP P14A_U8
P14A_U9	MVPP P14A_U9
P14A_U10	MVPP P14A_U10
P14A_U11	MVPP P14A_U11
P14A_U12	MVPP P14A_U12
P14A_U13	MVPP P14A_U13
P14A_U14	MVPP P14A_U14
P14A_U15	MVPP P14A_U15
P14A_U16	MVPP P14A_U16
P14A_U17	MVPP P14A_U17
P14A_U18	MVPP P14A_U18

Point of Reception 21		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
4040	0	dBA
4000	0	dBA
3969	0	dBA
3656	0	dBA
3425	0	dBA
3399	0	dBA
3399	0	dBA
3408	0	dBA
3424	0	dBA
3444	0	dBA
2832	0	dBA
2818	0	dBA
2812	0	dBA
2811	0	dBA
2818	0	dBA
1258	16	dBA
1269	9	dBA
1423	8	dBA
535	24	dBA
494	25	dBA
492	25	dBA
529	24	dBA
786	14	dBA
3813	0	dBA
3861	0	dBA
3935	0	dBA
3945	0	dBA
4032	0	dBA
4089	0	dBA
4157	0	dBA
2348	0	dBA
2265	0	dBA
2179	0	dBA
2091	0	dBA
2044	0	dBA
1977	5	dBA
2648	0	dBA
2565	0	dBA
2497	0	dBA
2413	0	dBA
2332	0	dBA
2251	0	dBA
2207	0	dBA
2145	0	dBA
2777	0	dBA
2685	0	dBA
2591	0	dBA
2508	0	dBA

Point of Reception 22		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3974	0	dBA
3929	0	dBA
3895	0	dBA
3576	0	dBA
3350	0	dBA
3330	0	dBA
3336	0	dBA
3350	0	dBA
3371	0	dBA
3397	0	dBA
2748	0	dBA
2740	0	dBA
2739	0	dBA
2745	0	dBA
2757	0	dBA
1241	16	dBA
1284	9	dBA
1421	8	dBA
428	26	dBA
418	26	dBA
458	25	dBA
531	24	dBA
877	13	dBA
3806	0	dBA
3858	0	dBA
3937	0	dBA
3936	0	dBA
4030	0	dBA
4089	0	dBA
4162	0	dBA
2389	0	dBA
2301	0	dBA
2209	0	dBA
2115	0	dBA
2063	0	dBA
1989	5	dBA
2691	0	dBA
2603	0	dBA
2531	0	dBA
2441	0	dBA
2355	0	dBA
2267	0	dBA
2220	0	dBA
2151	0	dBA
2813	0	dBA
2716	0	dBA
2616	0	dBA
2526	0	dBA

Point of Reception 23		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3579	0	dBA
3565	0	dBA
3557	0	dBA
3300	0	dBA
3034	0	dBA
2974	0	dBA
2938	0	dBA
2915	0	dBA
2897	0	dBA
2889	0	dBA
2532	0	dBA
2478	0	dBA
2434	0	dBA
2393	0	dBA
2359	0	dBA
727	24	dBA
558	21	dBA
771	18	dBA
913	22	dBA
774	24	dBA
625	26	dBA
486	28	dBA
190	30	dBA
3077	0	dBA
3112	0	dBA
3170	0	dBA
3216	0	dBA
3281	0	dBA
3325	0	dBA
3381	0	dBA
1504	18	dBA
1430	18	dBA
1357	13	dBA
1288	14	dBA
1254	14	dBA
1211	14	dBA
1801	16	dBA
1724	17	dBA
1663	17	dBA
1590	17	dBA
1525	18	dBA
1465	12	dBA
1435	13	dBA
1398	13	dBA
1939	15	dBA
1857	16	dBA
1777	16	dBA
1710	17	dBA

Point of Reception 24		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3658	0	dBA
3646	0	dBA
3639	0	dBA
3387	0	dBA
3119	0	dBA
3057	0	dBA
3018	0	dBA
2992	0	dBA
2972	0	dBA
2960	0	dBA
2624	0	dBA
2567	0	dBA
2521	0	dBA
2478	0	dBA
2441	0	dBA
817	23	dBA
630	20	dBA
847	17	dBA
985	18	dBA
846	23	dBA
697	25	dBA
558	27	dBA
129	32	dBA
3120	0	dBA
3152	0	dBA
3206	0	dBA
3259	0	dBA
3319	0	dBA
3360	0	dBA
3413	0	dBA
1513	18	dBA
1445	18	dBA
1379	13	dBA
1320	13	dBA
1291	14	dBA
1256	14	dBA
1806	16	dBA
1734	17	dBA
1678	17	dBA
1612	17	dBA
1554	18	dBA
1501	12	dBA
1476	12	dBA
1446	13	dBA
1950	15	dBA
1874	16	dBA
1800	16	dBA
1740	16	dBA

Point of Reception 25		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3432	0	dBA
3429	0	dBA
3431	0	dBA
3203	0	dBA
2925	0	dBA
2852	0	dBA
2799	0	dBA
2762	0	dBA
2730	0	dBA
2707	0	dBA
2475	0	dBA
2405	0	dBA
2345	0	dBA
2287	0	dBA
2235	0	dBA
707	25	dBA
441	23	dBA
650	20	dBA
1194	20	dBA
1057	21	dBA
912	22	dBA
778	24	dBA
458	23	dBA
2806	0	dBA
2835	0	dBA
2884	0	dBA
2947	0	dBA
3000	0	dBA
3038	0	dBA
3088	0	dBA
1182	20	dBA
1114	21	dBA
1051	15	dBA
998	16	dBA
975	16	dBA
952	16	dBA
1476	18	dBA
1403	18	dBA
1347	19	dBA
1282	19	dBA
1228	20	dBA
1183	14	dBA
1164	14	dBA
1145	15	dBA
1619	17	dBA
1543	18	dBA
1472	18	dBA
1416	18	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

		Point of Reception ID POR21			Point of Reception ID POR22			Point of Reception ID POR23			Point of Reception ID POR24			Point of Reception ID POR25		
Point of Reception Description		Point of Reception Description			Point of Reception Description			Point of Reception Description			Point of Reception Description					
House 21		House 22			House 23			House 24			House 25					
X Y Z		X Y Z			X Y Z			X Y Z			X Y Z					
366582 4908917 133.9		366648 4909043 136.0			367120 4908246 138.5			367056 4908173 138.5			367336 4907996 137.2					
Source ID ^[1]	Source Description	Point of Reception 21			Point of Reception 22			Point of Reception 23			Point of Reception 24			Point of Reception 25		
		Distance (m)	Sound Level at PoR ^[3]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[3]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[3]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[3]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[3]	Units ^[4] (dBA)
P14A_U19	MVPP P14A_U19	2430	0	dBA	2442	0	dBA	1652	11	dBA	1690	11	dBA	1372	13	dBA
P14A_U20	MVPP P14A_U20	2351	0	dBA	2356	0	dBA	1601	12	dBA	1646	11	dBA	1339	13	dBA
P14A_U21	MVPP P14A_U21	2291	0	dBA	2289	0	dBA	1568	12	dBA	1620	12	dBA	1325	13	dBA
P14B_U1	MVPP P14B_U1	2125	0	dBA	2170	0	dBA	1278	19	dBA	1286	19	dBA	955	22	dBA
P14B_U2	MVPP P14B_U2	2041	0	dBA	2080	0	dBA	1203	20	dBA	1218	20	dBA	887	23	dBA
P14B_U3	MVPP P14B_U3	1953	5	dBA	1986	5	dBA	1130	15	dBA	1154	15	dBA	827	17	dBA
P14B_U4	MVPP P14B_U4	1902	6	dBA	1930	6	dBA	1090	15	dBA	1120	15	dBA	798	18	dBA
P14B_U5	MVPP P14B_U5	1823	6	dBA	1844	6	dBA	1035	15	dBA	1076	15	dBA	766	18	dBA
P14B_U6	MVPP P14B_U6	1842	6	dBA	1885	6	dBA	998	16	dBA	1011	16	dBA	680	19	dBA
P14B_U7	MVPP P14B_U7	1751	6	dBA	1788	6	dBA	922	16	dBA	946	16	dBA	620	20	dBA
P14B_U8	MVPP P14B_U8	1643	7	dBA	1670	7	dBA	845	17	dBA	884	17	dBA	578	21	dBA
P14C_U1	MVPP P14C_U1	1951	12	dBA	2025	0	dBA	1100	21	dBA	1070	21	dBA	780	24	dBA
P14C_U2	MVPP P14C_U2	1850	12	dBA	1920	12	dBA	994	22	dBA	970	22	dBA	670	25	dBA
P14C_U3	MVPP P14C_U3	1765	13	dBA	1831	12	dBA	907	22	dBA	888	23	dBA	579	27	dBA
P14C_U4	MVPP P14C_U4	1879	12	dBA	1939	12	dBA	1020	21	dBA	1011	21	dBA	690	25	dBA
P19_20_U1	MVPP P19/20_U1	2488	0	dBA	2626	0	dBA	2070	0	dBA	1973	15	dBA	1998	15	dBA
P19_U1	MVPP P19_U1	2369	0	dBA	2507	0	dBA	1975	10	dBA	1878	10	dBA	1919	10	dBA
P19_U2	MVPP P19_U2	2284	0	dBA	2423	0	dBA	1920	10	dBA	1823	10	dBA	1881	10	dBA
P19_U3	MVPP P19_U3	2194	0	dBA	2334	0	dBA	1866	10	dBA	1768	11	dBA	1846	10	dBA
P19_U4	MVPP P19_U4	2454	0	dBA	2595	0	dBA	2119	0	dBA	2021	0	dBA	2084	0	dBA
P19_U5	MVPP P19_U5	2368	0	dBA	2509	0	dBA	2067	0	dBA	1969	10	dBA	2049	0	dBA
P20_U1	MVPP P20_U1	2423	0	dBA	2565	0	dBA	2198	0	dBA	2101	0	dBA	2209	0	dBA
P21_U1	MVPP P21_U1	3890	0	dBA	4031	0	dBA	3562	0	dBA	3465	0	dBA	3496	0	dBA
P21_U2	MVPP P21_U2	3786	0	dBA	3928	0	dBA	3485	0	dBA	3387	0	dBA	3432	0	dBA
P21_U3	MVPP P21_U3	3701	0	dBA	3843	0	dBA	3423	0	dBA	3325	0	dBA	3381	0	dBA
P21_U4	MVPP P21_U4	3548	0	dBA	3690	0	dBA	3313	0	dBA	3214	0	dBA	3290	0	dBA
P21_U5	MVPP P21_U5	3489	0	dBA	3631	0	dBA	3273	0	dBA	3175	0	dBA	3260	0	dBA
P21_U6	MVPP P21_U6	3425	0	dBA	3566	0	dBA	3233	0	dBA	3135	0	dBA	3229	0	dBA
P21_U7	MVPP P21_U7	3363	0	dBA	3505	0	dBA	3195	0	dBA	3098	0	dBA	3203	0	dBA
P21_U8	MVPP P21_U8	3304	0	dBA	3445	0	dBA	3161	0	dBA	3064	0	dBA	3180	0	dBA
P21_U9	MVPP P21_U9	3230	0	dBA	3371	0	dBA	3122	0	dBA	3026	0	dBA	3154	0	dBA
P22_U1	MVPP P22_U1	3974	0	dBA	4116	0	dBA	3674	0	dBA	3577	0	dBA	3619	0	dBA
P22_U2	MVPP P22_U2	3868	0	dBA	4010	0	dBA	3597	0	dBA	3499	0	dBA	3554	0	dBA
P22_U3	MVPP P22_U3	3751	0	dBA	3893	0	dBA	3518	0	dBA	3420	0	dBA	3493	0	dBA
P22_U4	MVPP P22_U4	3641	0	dBA	3783	0	dBA	3445	0	dBA	3347	0	dBA	3437	0	dBA
P22_U5	MVPP P22_U5	3555	0	dBA	3697	0	dBA	3392	0	dBA	3294	0	dBA	3397	0	dBA
P22_U6	MVPP P22_U6	3509	0	dBA	3650	0	dBA	3399	0	dBA	3302	0	dBA	3425	0	dBA
P23_U1	MVPP P23_U1	4118	0	dBA	4260	0	dBA	3848	0	dBA	3750	0	dBA	3803	0	dBA
P23_U2	MVPP P23_U2	4030	0	dBA	4172	0	dBA	3784	0	dBA	3686	0	dBA	3750	0	dBA
P23_U3	MVPP P23_U3	3945	0	dBA	4087	0	dBA	3725	0	dBA	3627	0	dBA	3703	0	dBA
P23_U4	MVPP P23_U4	3863	0	dBA	4005	0	dBA	3670	0	dBA	3572	0	dBA	3660	0	dBA
P23_U5	MVPP P23_U5	3773	0	dBA	3914	0	dBA	3612	0	dBA	3515	0	dBA	3616	0	dBA
P23_U6	MVPP P23_U6	3698	0	dBA	3839	0	dBA	3567	0	dBA	3470	0	dBA	3583	0	dBA
P23_U7	MVPP P23_U7	3626	0	dBA	3766	0	dBA	3526	0	dBA	3429	0	dBA	3554	0	dBA
P24_U1	MVPP P24_U1	4204	0	dBA	4345	0	dBA	3835	0	dBA	3738	0	dBA	3747	0	dBA
P24_U2	MVPP P24_U2	4067	0	dBA	4209	0	dBA	3706	0	dBA	3609	0	dBA	3624	0	dBA
P24_U3	MVPP P24_U3	4093	0	dBA	4233	0	dBA	3687	0	dBA	3591	0	dBA	3585	0	dBA
TS	Transformer Station	2870	0	dBA	2813	0	dBA	2393	0	dBA	2473	0	dBA	2258	0	dBA
H1T	Hut 1 Transformer	4141	0	dBA	4178	0	dBA	3298	0	dBA	3303	0	dBA	2973	0	dBA
H1I1	Hut 1 Inverter 1	4143	0	dBA	4180	0	dBA	3300	0	dBA	3305	0	dBA	2975	0	dBA
H1I2	Hut 1 Inverter 2	4145	0	dBA	4182	0	dBA	3302	0	dBA	3307	0	dBA	2977	0	dBA
H2T	Hut 2 Transformer	4007	0	dBA	4047	0	dBA	3158	0	dBA	3160	0	dBA	2832	0	dBA
H2I1	Hut 2 Inverter 1	4009	0	dBA	4050	0	dBA	3160	0	dBA	3162	0	dBA	2834	0	dBA
H2I2	Hut 2 Inverter 2	4011	0	dBA	4051	0	dBA	3162	0	dBA	3164	0	dBA	2836	0	dBA
H3T	Hut 3 Transformer	3876	0	dBA	3921	0	dBA	3023	0	dBA	3021	0	dBA	2695	0	dBA
H3I1	Hut 3 Inverter 1	3878	0	dBA	3923	0	dBA	3025	0	dBA	3023	0	dBA	2697	0	dBA
H3I2	Hut 3 Inverter 2	3880	0	dBA	3925	0	dBA	3027	0	dBA	3025	0	dBA	2699	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR21	Point of Reception ID POR22	Point of Reception ID POR23	Point of Reception ID POR24	Point of Reception ID POR25
Point of Reception Description House 21	Point of Reception Description House 22	Point of Reception Description House 23	Point of Reception Description House 24	Point of Reception Description House 25
X Y Z	X Y Z	X Y Z	X Y Z	X Y Z
366582 4908917 133.9	366648 4909043 136.0	367120 4908246 138.5	367056 4908173 138.5	367336 4907996 137.2

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 21		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3673	0	dBA
3675	0	dBA
3677	0	dBA
4037	0	dBA
4039	0	dBA
4041	0	dBA
4048	0	dBA
4050	0	dBA
4052	0	dBA
3914	0	dBA
3915	0	dBA
3917	0	dBA
3797	0	dBA
3799	0	dBA
3801	0	dBA
3771	0	dBA
3773	0	dBA
3775	0	dBA
3987	0	dBA
3989	0	dBA
3991	0	dBA
4233	0	dBA
5525	0	dBA
5691	0	dBA
5678	0	dBA
5826	0	dBA
5814	0	dBA
5959	0	dBA
5948	0	dBA
6093	0	dBA
6083	0	dBA
6227	0	dBA
6220	0	dBA

Point of Reception 22		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3705	0	dBA
3707	0	dBA
3709	0	dBA
4059	0	dBA
4060	0	dBA
4062	0	dBA
4077	0	dBA
4079	0	dBA
4081	0	dBA
3938	0	dBA
3940	0	dBA
3942	0	dBA
3825	0	dBA
3827	0	dBA
3829	0	dBA
3809	0	dBA
3811	0	dBA
3813	0	dBA
4021	0	dBA
4023	0	dBA
4025	0	dBA
4272	0	dBA
5651	0	dBA
5818	0	dBA
5804	0	dBA
5952	0	dBA
5938	0	dBA
6085	0	dBA
6072	0	dBA
6218	0	dBA
6207	0	dBA
6352	0	dBA
6343	0	dBA

Point of Reception 23		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2837	0	dBA
2839	0	dBA
2841	0	dBA
3219	0	dBA
3220	0	dBA
3223	0	dBA
3218	0	dBA
3219	0	dBA
3221	0	dBA
3090	0	dBA
3091	0	dBA
3093	0	dBA
2967	0	dBA
2969	0	dBA
2971	0	dBA
2926	0	dBA
2928	0	dBA
2930	0	dBA
3148	0	dBA
3149	0	dBA
3152	0	dBA
3386	0	dBA
4879	0	dBA
5055	0	dBA
5027	0	dBA
5183	0	dBA
5156	0	dBA
5310	0	dBA
5285	0	dBA
5438	0	dBA
5414	0	dBA
5567	0	dBA
5546	0	dBA

Point of Reception 24		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2848	0	dBA
2850	0	dBA
2852	0	dBA
3238	0	dBA
3239	0	dBA
3241	0	dBA
3231	0	dBA
3232	0	dBA
3234	0	dBA
3106	0	dBA
3107	0	dBA
3109	0	dBA
2981	0	dBA
2982	0	dBA
2984	0	dBA
2930	0	dBA
2932	0	dBA
2934	0	dBA
3156	0	dBA
3157	0	dBA
3160	0	dBA
3389	0	dBA
4799	0	dBA
4975	0	dBA
4948	0	dBA
5103	0	dBA
5078	0	dBA
5231	0	dBA
5207	0	dBA
5360	0	dBA
5338	0	dBA
5489	0	dBA
5470	0	dBA

Point of Reception 25		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2517	0	dBA
2519	0	dBA
2521	0	dBA
2907	0	dBA
2908	0	dBA
2910	0	dBA
2899	0	dBA
2901	0	dBA
2903	0	dBA
2775	0	dBA
2776	0	dBA
2778	0	dBA
2650	0	dBA
2651	0	dBA
2653	0	dBA
2601	0	dBA
2603	0	dBA
2605	0	dBA
2825	0	dBA
2827	0	dBA
2829	0	dBA
3060	0	dBA
4658	0	dBA
4839	0	dBA
4803	0	dBA
4963	0	dBA
4928	0	dBA
5086	0	dBA
5054	0	dBA
5211	0	dBA
5181	0	dBA
5337	0	dBA
5309	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR26	Point of Reception ID POR27	Point of Reception ID POR28	Point of Reception ID POR29	Point of Reception ID POR30
Point of Reception Description House 26	Point of Reception Description House 27	Point of Reception Description House 28	Point of Reception Description House 29	Point of Reception Description House 30
X Y Z	X Y Z	X Y Z	X Y Z	X Y Z
367424 4907955 136.5	367640 4907903 134.5	367636 4907974 135.4	367669 4908129 135.5	367948 4908749 138.4

Source ID ⁽¹⁾	Source Description
P1_U1	MVPP P1_U1
P1_U2	MVPP P1_U2
P1_U3	MVPP P1_U3
P2_1_U1	MVPP P2/1_U1
P3_U1	MVPP P3_U1
P3_U2	MVPP P3_U2
P3_U3	MVPP P3_U3
P3_U4	MVPP P3_U4
P3_U5	MVPP P3_U5
P3_U6	MVPP P3_U6
P4_U1	MVPP P4_U1
P4_U2	MVPP P4_U2
P4_U3	MVPP P4_U3
P4_U4	MVPP P4_U4
P4_U5	MVPP P4_U5
P6A_U1	MVPP P6A_U1
P6A_U2	MVPP P6A_U2
P6A_U3	MVPP P6A_U3
P7_9_10_U1	MVPP P7/9/10_U1
P7_9_10_U2	MVPP P7/9/10_U2
P7_9_10_U3	MVPP P7/9/10_U3
P7_9_10_U4	MVPP P7/9/10_U4
P11A_U3	MVPP P11A_U3
P12_U1	MVPP P12_U1
P12_U2	MVPP P12_U2
P12_U3	MVPP P12_U3
P12_U4	MVPP P12_U4
P12_U5	MVPP P12_U5
P12_U6	MVPP P12_U6
P12_U7	MVPP P12_U7
P14A_U1	MVPP P14A_U1
P14A_U2	MVPP P14A_U2
P14A_U3	MVPP P14A_U3
P14A_U4	MVPP P14A_U4
P14A_U5	MVPP P14A_U5
P14A_U6	MVPP P14A_U6
P14A_U7	MVPP P14A_U7
P14A_U8	MVPP P14A_U8
P14A_U9	MVPP P14A_U9
P14A_U10	MVPP P14A_U10
P14A_U11	MVPP P14A_U11
P14A_U12	MVPP P14A_U12
P14A_U13	MVPP P14A_U13
P14A_U14	MVPP P14A_U14
P14A_U15	MVPP P14A_U15
P14A_U16	MVPP P14A_U16
P14A_U17	MVPP P14A_U17
P14A_U18	MVPP P14A_U18

Point of Reception 26		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3360	0	dBA
3360	0	dBA
3364	0	dBA
3143	0	dBA
2863	0	dBA
2787	0	dBA
2730	0	dBA
2690	0	dBA
2654	0	dBA
2628	0	dBA
2428	0	dBA
2353	0	dBA
2289	0	dBA
2227	0	dBA
2171	0	dBA
689	25	dBA
408	23	dBA
603	20	dBA
1256	19	dBA
1122	21	dBA
980	22	dBA
849	23	dBA
555	21	dBA
2711	0	dBA
2739	0	dBA
2787	0	dBA
2852	0	dBA
2904	0	dBA
2942	0	dBA
2991	0	dBA
1086	21	dBA
1017	21	dBA
954	16	dBA
901	17	dBA
880	17	dBA
861	17	dBA
1381	19	dBA
1307	19	dBA
1250	20	dBA
1185	20	dBA
1131	20	dBA
1087	15	dBA
1070	15	dBA
1054	15	dBA
1523	18	dBA
1446	18	dBA
1374	19	dBA
1319	19	dBA

Point of Reception 27		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3173	0	dBA
3178	0	dBA
3187	0	dBA
2980	0	dBA
2696	0	dBA
2613	0	dBA
2549	0	dBA
2502	0	dBA
2460	0	dBA
2429	0	dBA
2292	0	dBA
2209	0	dBA
2137	0	dBA
2065	0	dBA
2001	0	dBA
656	25	dBA
374	24	dBA
505	22	dBA
1382	19	dBA
1255	20	dBA
1121	21	dBA
1001	22	dBA
772	18	dBA
2489	0	dBA
2517	0	dBA
2566	0	dBA
2630	0	dBA
2682	0	dBA
2720	0	dBA
2770	0	dBA
883	23	dBA
806	24	dBA
736	18	dBA
679	19	dBA
658	19	dBA
644	20	dBA
1183	20	dBA
1102	21	dBA
1040	21	dBA
969	22	dBA
911	22	dBA
865	17	dBA
849	17	dBA
838	17	dBA
1317	19	dBA
1234	20	dBA
1157	20	dBA
1098	21	dBA

Point of Reception 28		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3153	0	dBA
3155	0	dBA
3162	0	dBA
2948	0	dBA
2666	0	dBA
2586	0	dBA
2526	0	dBA
2483	0	dBA
2444	0	dBA
2417	0	dBA
2249	0	dBA
2169	0	dBA
2100	0	dBA
2032	0	dBA
1972	15	dBA
588	26	dBA
304	26	dBA
447	23	dBA
1317	19	dBA
1190	20	dBA
1059	21	dBA
941	22	dBA
743	18	dBA
2508	0	dBA
2539	0	dBA
2592	0	dBA
2649	0	dBA
2706	0	dBA
2747	0	dBA
2800	0	dBA
934	22	dBA
852	23	dBA
773	18	dBA
706	19	dBA
678	19	dBA
651	20	dBA
1235	20	dBA
1150	20	dBA
1085	21	dBA
1008	22	dBA
942	22	dBA
887	17	dBA
865	17	dBA
844	17	dBA
1364	19	dBA
1276	19	dBA
1193	20	dBA
1128	20	dBA

Point of Reception 29		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
3076	0	dBA
3072	0	dBA
3073	0	dBA
2846	0	dBA
2568	0	dBA
2494	0	dBA
2442	0	dBA
2406	0	dBA
2376	0	dBA
2357	0	dBA
2128	0	dBA
2053	0	dBA
1990	10	dBA
1930	10	dBA
1878	16	dBA
430	29	dBA
147	32	dBA
306	26	dBA
1195	20	dBA
1075	21	dBA
951	22	dBA
844	23	dBA
740	18	dBA
2518	0	dBA
2555	0	dBA
2617	0	dBA
2656	0	dBA
2724	0	dBA
2772	0	dBA
2832	0	dBA
1027	21	dBA
933	22	dBA
839	17	dBA
750	18	dBA
706	19	dBA
653	19	dBA
1329	19	dBA
1236	20	dBA
1162	20	dBA
1072	21	dBA
991	22	dBA
916	17	dBA
880	17	dBA
838	17	dBA
1444	18	dBA
1346	19	dBA
1249	20	dBA
1169	20	dBA

Point of Reception 30		
Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
2684	0	dBA
2654	0	dBA
2634	0	dBA
2354	0	dBA
2099	0	dBA
2055	0	dBA
2040	0	dBA
2039	0	dBA
2049	0	dBA
2068	0	dBA
1568	17	dBA
1521	18	dBA
1488	12	dBA
1465	12	dBA
1455	18	dBA
263	33	dBA
546	21	dBA
409	23	dBA
978	18	dBA
923	19	dBA
885	19	dBA
871	19	dBA
1147	10	dBA
2525	0	dBA
2589	0	dBA
2686	0	dBA
2648	0	dBA
2761	0	dBA
2833	0	dBA
2921	0	dBA
1468	18	dBA
1352	19	dBA
1226	14	dBA
1091	15	dBA
1016	16	dBA
902	17	dBA
1744	16	dBA
1630	17	dBA
1536	18	dBA
1414	18	dBA
1293	19	dBA
1166	14	dBA
1095	15	dBA
991	16	dBA
1801	16	dBA
1673	17	dBA
1539	18	dBA
1415	18	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR26				Point of Reception ID POR27				Point of Reception ID POR28				Point of Reception ID POR29				Point of Reception ID POR30			
Point of Reception Description House 26				Point of Reception Description House 27				Point of Reception Description House 28				Point of Reception Description House 29				Point of Reception Description House 30			
X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z	
367424	4907955	136.5		367640	4907903	134.5		367636	4907974	135.4		367669	4908129	135.5		367948	4908749	138.4	
Source ID ^[1]	Source Description	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]
P14A_U19	MVPP P14A_U19	1277	14	dBA	1055	15	dBA	1076	15	dBA	1100	15	dBA	1295	14	dBA			
P14A_U20	MVPP P14A_U20	1247	14	dBA	1027	16	dBA	1039	15	dBA	1041	15	dBA	1170	14	dBA			
P14A_U21	MVPP P14A_U21	1236	14	dBA	1021	16	dBA	1024	16	dBA	1007	16	dBA	1068	15	dBA			
P14B_U1	MVPP P14B_U1	859	23	dBA	660	25	dBA	714	25	dBA	817	23	dBA	1315	19	dBA			
P14B_U2	MVPP P14B_U2	790	24	dBA	580	26	dBA	627	26	dBA	717	25	dBA	1196	20	dBA			
P14B_U3	MVPP P14B_U3	729	19	dBA	510	22	dBA	546	21	dBA	617	20	dBA	1067	15	dBA			
P14B_U4	MVPP P14B_U4	701	19	dBA	479	22	dBA	507	22	dBA	561	21	dBA	988	16	dBA			
P14B_U5	MVPP P14B_U5	674	19	dBA	456	23	dBA	466	22	dBA	485	22	dBA	861	17	dBA			
P14B_U6	MVPP P14B_U6	583	20	dBA	377	24	dBA	429	23	dBA	538	21	dBA	1095	15	dBA			
P14B_U7	MVPP P14B_U7	523	21	dBA	302	26	dBA	340	25	dBA	425	23	dBA	965	16	dBA			
P14B_U8	MVPP P14B_U8	488	22	dBA	276	27	dBA	277	27	dBA	301	26	dBA	798	18	dBA			
P14C_U1	MVPP P14C_U1	710	25	dBA	623	26	dBA	694	25	dBA	849	23	dBA	1500	18	dBA			
P14C_U2	MVPP P14C_U2	596	26	dBA	503	28	dBA	574	27	dBA	730	24	dBA	1384	19	dBA			
P14C_U3	MVPP P14C_U3	501	28	dBA	402	30	dBA	473	28	dBA	629	26	dBA	1286	19	dBA			
P14C_U4	MVPP P14C_U4	603	26	dBA	455	29	dBA	524	27	dBA	668	25	dBA	1289	19	dBA			
P19_20_U1	MVPP P19/20_U1	2028	0	dBA	2148	0	dBA	2192	0	dBA	2323	0	dBA	2968	0	dBA			
P19_U1	MVPP P19_U1	1953	10	dBA	2084	0	dBA	2125	0	dBA	2251	0	dBA	2887	0	dBA			
P19_U2	MVPP P19_U2	1920	10	dBA	2060	0	dBA	2098	0	dBA	2219	0	dBA	2845	0	dBA			
P19_U3	MVPP P19_U3	1890	10	dBA	2040	0	dBA	2074	0	dBA	2190	0	dBA	2803	0	dBA			
P19_U4	MVPP P19_U4	2124	0	dBA	2263	0	dBA	2301	0	dBA	2423	0	dBA	3047	0	dBA			
P19_U5	MVPP P19_U5	2093	0	dBA	2242	0	dBA	2277	0	dBA	2393	0	dBA	3006	0	dBA			
P20_U1	MVPP P20_U1	2259	0	dBA	2418	0	dBA	2450	0	dBA	2559	0	dBA	3152	0	dBA			
P21_U1	MVPP P21_U1	3523	0	dBA	3634	0	dBA	3682	0	dBA	3816	0	dBA	4466	0	dBA			
P21_U2	MVPP P21_U2	3462	0	dBA	3580	0	dBA	3626	0	dBA	3757	0	dBA	4400	0	dBA			
P21_U3	MVPP P21_U3	3415	0	dBA	3540	0	dBA	3584	0	dBA	3712	0	dBA	4348	0	dBA			
P21_U4	MVPP P21_U4	3329	0	dBA	3465	0	dBA	3505	0	dBA	3628	0	dBA	4251	0	dBA			
P21_U5	MVPP P21_U5	3301	0	dBA	3442	0	dBA	3480	0	dBA	3601	0	dBA	4217	0	dBA			
P21_U6	MVPP P21_U6	3274	0	dBA	3420	0	dBA	3457	0	dBA	3574	0	dBA	4182	0	dBA			
P21_U7	MVPP P21_U7	3250	0	dBA	3401	0	dBA	3436	0	dBA	3550	0	dBA	4150	0	dBA			
P21_U8	MVPP P21_U8	3230	0	dBA	3386	0	dBA	3419	0	dBA	3529	0	dBA	4120	0	dBA			
P21_U9	MVPP P21_U9	3208	0	dBA	3371	0	dBA	3401	0	dBA	3507	0	dBA	4085	0	dBA			
P22_U1	MVPP P22_U1	3649	0	dBA	3765	0	dBA	3811	0	dBA	3944	0	dBA	4588	0	dBA			
P22_U2	MVPP P22_U2	3588	0	dBA	3712	0	dBA	3756	0	dBA	3885	0	dBA	4521	0	dBA			
P22_U3	MVPP P22_U3	3532	0	dBA	3665	0	dBA	3706	0	dBA	3830	0	dBA	4455	0	dBA			
P22_U4	MVPP P22_U4	3480	0	dBA	3622	0	dBA	3660	0	dBA	3779	0	dBA	4392	0	dBA			
P22_U5	MVPP P22_U5	3444	0	dBA	3593	0	dBA	3628	0	dBA	3743	0	dBA	4345	0	dBA			
P22_U6	MVPP P22_U6	3477	0	dBA	3636	0	dBA	3668	0	dBA	3776	0	dBA	4360	0	dBA			
P23_U1	MVPP P23_U1	3836	0	dBA	3957	0	dBA	4001	0	dBA	4132	0	dBA	4771	0	dBA			
P23_U2	MVPP P23_U2	3786	0	dBA	3913	0	dBA	3956	0	dBA	4083	0	dBA	4715	0	dBA			
P23_U3	MVPP P23_U3	3742	0	dBA	3875	0	dBA	3916	0	dBA	4040	0	dBA	4664	0	dBA			
P23_U4	MVPP P23_U4	3702	0	dBA	3842	0	dBA	3880	0	dBA	4001	0	dBA	4616	0	dBA			
P23_U5	MVPP P23_U5	3661	0	dBA	3808	0	dBA	3845	0	dBA	3961	0	dBA	4565	0	dBA			
P23_U6	MVPP P23_U6	3632	0	dBA	3785	0	dBA	3819	0	dBA	3931	0	dBA	4525	0	dBA			
P23_U7	MVPP P23_U7	3606	0	dBA	3765	0	dBA	3797	0	dBA	3905	0	dBA	4488	0	dBA			
P24_U1	MVPP P24_U1	3767	0	dBA	3864	0	dBA	3915	0	dBA	4055	0	dBA	4716	0	dBA			
P24_U2	MVPP P24_U2	3646	0	dBA	3746	0	dBA	3796	0	dBA	3935	0	dBA	4593	0	dBA			
P24_U3	MVPP P24_U3	3601	0	dBA	3689	0	dBA	3742	0	dBA	3885	0	dBA	4552	0	dBA			
TS	Transformer Station	2192	0	dBA	2016	0	dBA	1990	24	dBA	1901	25	dBA	1502	28	dBA			
H1T	Hut 1 Transformer	2878	0	dBA	2678	0	dBA	2727	0	dBA	2808	0	dBA	3105	0	dBA			
H1I1	Hut 1 Inverter 1	2880	0	dBA	2680	0	dBA	2729	0	dBA	2811	0	dBA	3108	0	dBA			
H1I2	Hut 1 Inverter 2	2882	0	dBA	2682	0	dBA	2731	0	dBA	2812	0	dBA	3109	0	dBA			
H2T	Hut 2 Transformer	2738	0	dBA	2542	0	dBA	2593	0	dBA	2680	0	dBA	3007	0	dBA			
H2I1	Hut 2 Inverter 1	2740	0	dBA	2544	0	dBA	2595	0	dBA	2683	0	dBA	3010	0	dBA			
H2I2	Hut 2 Inverter 2	2742	0	dBA	2546	0	dBA	2597	0	dBA	2685	0	dBA	3011	0	dBA			
H3T	Hut 3 Transformer	2602	0	dBA	2411	0	dBA	2465	0	dBA	2559	0	dBA	2917	0	dBA			
H3I1	Hut 3 Inverter 1	2604	0	dBA	2414	0	dBA	2468	0	dBA	2562	0	dBA	2920	0	dBA			
H3I2	Hut 3 Inverter 2	2606	0	dBA	2415	0	dBA	2469	0	dBA	2564	0	dBA	2921	0	dBA			

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR26			Point of Reception ID POR27			Point of Reception ID POR28			Point of Reception ID POR29			Point of Reception ID POR30		
Point of Reception Description House 26			Point of Reception Description House 27			Point of Reception Description House 28			Point of Reception Description House 29			Point of Reception Description House 30		
X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
367424	4907955	136.5	367640	4907903	134.5	367636	4907974	135.4	367669	4908129	135.5	367948	4908749	138.4

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 26		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2421	0	dBA
2423	0	dBA
2425	0	dBA
2810	0	dBA
2811	0	dBA
2813	0	dBA
2803	0	dBA
2804	0	dBA
2807	0	dBA
2678	0	dBA
2679	0	dBA
2681	0	dBA
2553	0	dBA
2555	0	dBA
2557	0	dBA
2506	0	dBA
2508	0	dBA
2510	0	dBA
2730	0	dBA
2731	0	dBA
2733	0	dBA
2966	0	dBA
4631	0	dBA
4814	0	dBA
4775	0	dBA
4936	0	dBA
4899	0	dBA
5058	0	dBA
5023	0	dBA
5182	0	dBA
5149	0	dBA
5306	0	dBA
5276	0	dBA

Point of Reception 27		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2215	0	dBA
2217	0	dBA
2219	0	dBA
2597	0	dBA
2598	0	dBA
2600	0	dBA
2595	0	dBA
2596	0	dBA
2598	0	dBA
2467	0	dBA
2468	0	dBA
2470	0	dBA
2344	0	dBA
2346	0	dBA
2348	0	dBA
2307	0	dBA
2309	0	dBA
2311	0	dBA
2526	0	dBA
2528	0	dBA
2530	0	dBA
2768	0	dBA
4622	0	dBA
4808	0	dBA
4762	0	dBA
4927	0	dBA
4883	0	dBA
5045	0	dBA
5004	0	dBA
5165	0	dBA
5126	0	dBA
5286	0	dBA
5250	0	dBA

Point of Reception 28		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2261	0	dBA
2263	0	dBA
2265	0	dBA
2637	0	dBA
2638	0	dBA
2640	0	dBA
2639	0	dBA
2641	0	dBA
2643	0	dBA
2508	0	dBA
2510	0	dBA
2512	0	dBA
2388	0	dBA
2390	0	dBA
2392	0	dBA
2357	0	dBA
2359	0	dBA
2361	0	dBA
2574	0	dBA
2576	0	dBA
2578	0	dBA
2819	0	dBA
4690	0	dBA
4876	0	dBA
4831	0	dBA
4995	0	dBA
4952	0	dBA
5114	0	dBA
5073	0	dBA
5234	0	dBA
5196	0	dBA
5355	0	dBA
5320	0	dBA

Point of Reception 29		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2335	0	dBA
2337	0	dBA
2339	0	dBA
2695	0	dBA
2697	0	dBA
2699	0	dBA
2708	0	dBA
2710	0	dBA
2712	0	dBA
2572	0	dBA
2574	0	dBA
2575	0	dBA
2456	0	dBA
2458	0	dBA
2460	0	dBA
2440	0	dBA
2443	0	dBA
2445	0	dBA
2651	0	dBA
2653	0	dBA
2655	0	dBA
2904	0	dBA
4848	0	dBA
5034	0	dBA
4989	0	dBA
5153	0	dBA
5110	0	dBA
5272	0	dBA
5231	0	dBA
5392	0	dBA
5354	0	dBA
5514	0	dBA
5478	0	dBA

Point of Reception 30		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2618	0	dBA
2621	0	dBA
2623	0	dBA
2900	0	dBA
2903	0	dBA
2904	0	dBA
2956	0	dBA
2959	0	dBA
2960	0	dBA
2801	0	dBA
2804	0	dBA
2805	0	dBA
2710	0	dBA
2713	0	dBA
2715	0	dBA
2759	0	dBA
2763	0	dBA
2764	0	dBA
2936	0	dBA
2939	0	dBA
2940	0	dBA
3213	0	dBA
5516	0	dBA
5703	0	dBA
5655	0	dBA
5820	0	dBA
5773	0	dBA
5937	0	dBA
5892	0	dBA
6055	0	dBA
6012	0	dBA
6174	0	dBA
6134	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Source ID ⁽¹⁾	Source Description	Point of Reception 31			Point of Reception 32			Point of Reception 33			Point of Reception 34			Point of Reception 35		
		Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾ (dBA)	Units ⁽⁴⁾ (dBA)
		X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
		2501	0	dBA	2460	0	dBA	3880	0	dBA	2239	0	dBA	1835	12	dBA
P1_U2	MVPP P1_U2	2507	0	dBA	2467	0	dBA	3868	0	dBA	2237	0	dBA	1822	6	dBA
P1_U3	MVPP P1_U3	2518	0	dBA	2478	0	dBA	3861	0	dBA	2243	0	dBA	1820	6	dBA
P2_U1	MVPP P2/U1_U1	2325	0	dBA	2285	0	dBA	3607	5	dBA	2035	0	dBA	1598	7	dBA
P3_U1	MVPP P3_U1	2038	0	dBA	1998	10	dBA	3340	7	dBA	1750	11	dBA	1316	13	dBA
P3_U2	MVPP P3_U2	1948	12	dBA	1908	12	dBA	3279	14	dBA	1667	13	dBA	1240	20	dBA
P3_U3	MVPP P3_U3	1879	10	dBA	1839	10	dBA	3239	8	dBA	1607	12	dBA	1193	10	dBA
P3_U4	MVPP P3_U4	1830	10	dBA	1790	11	dBA	3214	9	dBA	1569	12	dBA	1172	14	dBA
P3_U5	MVPP P3_U5	1789	6	dBA	1748	6	dBA	3192	9	dBA	1541	8	dBA	1167	14	dBA
P3_U6	MVPP P3_U6	1761	6	dBA	1721	7	dBA	3179	9	dBA	1528	8	dBA	1180	10	dBA
P4_U1	MVPP P4_U1	1686	17	dBA	1651	17	dBA	2840	15	dBA	1386	19	dBA	962	22	dBA
P4_U2	MVPP P4_U2	1587	17	dBA	1551	18	dBA	2786	16	dBA	1288	19	dBA	855	23	dBA
P4_U3	MVPP P4_U3	1502	12	dBA	1464	12	dBA	2741	10	dBA	1204	14	dBA	766	18	dBA
P4_U4	MVPP P4_U4	1418	13	dBA	1379	13	dBA	2699	11	dBA	1123	15	dBA	684	19	dBA
P4_U5	MVPP P4_U5	1342	19	dBA	1302	19	dBA	2663	18	dBA	1054	21	dBA	623	26	dBA
P6A_U1	MVPP P6A_U1	646	26	dBA	667	25	dBA	1035	21	dBA	721	25	dBA	1045	21	dBA
P6A_U2	MVPP P6A_U2	617	20	dBA	651	20	dBA	851	15	dBA	803	18	dBA	1197	14	dBA
P6A_U3	MVPP P6A_U3	448	23	dBA	475	22	dBA	1069	17	dBA	592	20	dBA	978	16	dBA
P7_9_10_U1	MVPP P7/9/10_U1	1596	17	dBA	1615	17	dBA	1065	15	dBA	1633	17	dBA	1849	16	dBA
P7_9_10_U2	MVPP P7/9/10_U2	1505	18	dBA	1527	18	dBA	930	16	dBA	1564	17	dBA	1807	16	dBA
P7_9_10_U3	MVPP P7/9/10_U3	1416	18	dBA	1441	18	dBA	788	16	dBA	1500	18	dBA	1774	16	dBA
P7_9_10_U4	MVPP P7/9/10_U4	1343	19	dBA	1371	19	dBA	659	16	dBA	1452	18	dBA	1753	16	dBA
P11A_U3	MVPP P11A_U3	1345	13	dBA	1382	13	dBA	135	10	dBA	1549	12	dBA	1934	10	dBA
P12_U1	MVPP P12_U1	1944	12	dBA	1915	12	dBA	3314	14	dBA	1863	12	dBA	1749	13	dBA
P12_U2	MVPP P12_U2	1991	15	dBA	1964	15	dBA	3343	18	dBA	1925	12	dBA	1830	12	dBA
P12_U3	MVPP P12_U3	2068	0	dBA	2042	0	dBA	3391	17	dBA	2021	0	dBA	1952	12	dBA
P12_U4	MVPP P12_U4	2079	0	dBA	2049	0	dBA	3455	13	dBA	1988	11	dBA	1855	12	dBA
P12_U5	MVPP P12_U5	2163	0	dBA	2135	0	dBA	3509	17	dBA	2097	0	dBA	1996	11	dBA
P12_U6	MVPP P12_U6	2221	0	dBA	2195	0	dBA	3546	11	dBA	2168	0	dBA	2086	0	dBA
P12_U7	MVPP P12_U7	2294	0	dBA	2269	0	dBA	3594	10	dBA	2256	0	dBA	2194	0	dBA
P14A_U1	MVPP P14A_U1	799	24	dBA	813	23	dBA	1666	22	dBA	1034	21	dBA	1386	19	dBA
P14A_U2	MVPP P14A_U2	679	25	dBA	693	25	dBA	1609	23	dBA	917	22	dBA	1279	19	dBA
P14A_U3	MVPP P14A_U3	550	21	dBA	564	21	dBA	1554	19	dBA	792	18	dBA	1164	14	dBA
P14A_U4	MVPP P14A_U4	411	23	dBA	425	23	dBA	1506	20	dBA	658	19	dBA	1045	15	dBA
P14A_U5	MVPP P14A_U5	332	25	dBA	347	25	dBA	1484	21	dBA	584	20	dBA	980	16	dBA
P14A_U6	MVPP P14A_U6	212	29	dBA	229	28	dBA	1457	21	dBA	475	22	dBA	886	17	dBA
P14A_U7	MVPP P14A_U7	1053	21	dBA	1060	21	dBA	1952	21	dBA	1250	20	dBA	1549	18	dBA
P14A_U8	MVPP P14A_U8	936	22	dBA	942	22	dBA	1888	22	dBA	1130	20	dBA	1433	18	dBA
P14A_U9	MVPP P14A_U9	839	23	dBA	844	23	dBA	1840	23	dBA	1031	21	dBA	1338	19	dBA
P14A_U10	MVPP P14A_U10	713	25	dBA	717	25	dBA	1783	25	dBA	901	23	dBA	1214	20	dBA
P14A_U11	MVPP P14A_U11	590	26	dBA	591	26	dBA	1735	26	dBA	771	24	dBA	1091	21	dBA
P14A_U12	MVPP P14A_U12	461	22	dBA	458	23	dBA	1692	22	dBA	632	20	dBA	962	16	dBA
P14A_U13	MVPP P14A_U13	390	24	dBA	385	24	dBA	1672	23	dBA	553	21	dBA	889	17	dBA
P14A_U14	MVPP P14A_U14	293	26	dBA	280	27	dBA	1649	25	dBA	434	23	dBA	782	18	dBA
P14A_U15	MVPP P14A_U15	1098	21	dBA	1098	21	dBA	2105	21	dBA	1257	19	dBA	1511	18	dBA
P14A_U16	MVPP P14A_U16	968	22	dBA	966	22	dBA	2038	23	dBA	1119	21	dBA	1373	19	dBA
P14A_U17	MVPP P14A_U17	833	23	dBA	829	23	dBA	1974	24	dBA	972	22	dBA	1226	20	dBA
P14A_U18	MVPP P14A_U18	712	25	dBA	704	25	dBA	1923	26	dBA	835	23	dBA	1089	21	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID
POR31	POR32	POR33	POR34	POR35
Point of Reception Description House 31	Point of Reception Description House 32	Point of Reception Description House 33	Point of Reception Description House 34	Point of Reception Description House 35
X Y Z	X Y Z	X Y Z	X Y Z	X Y Z
368275 4908124 136.5	368313 4908138 136.5	366841 4908115 135.8	368477 4908346 137.5	368826 4908612 138.5

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 31		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1919	-7	dBA
1922	4	dBA
1923	4	dBA
2222	0	dBA
2224	0	dBA
2226	0	dBA
2266	0	dBA
2268	0	dBA
2270	0	dBA
2115	0	dBA
2117	0	dBA
2119	0	dBA
2017	0	dBA
2020	0	dBA
2022	0	dBA
2056	0	dBA
2059	0	dBA
2060	0	dBA
2237	0	dBA
2240	0	dBA
2242	0	dBA
2512	0	dBA
5008	0	dBA
5201	0	dBA
5140	0	dBA
5309	0	dBA
5250	0	dBA
5419	0	dBA
5362	0	dBA
5529	0	dBA
5475	0	dBA
5642	0	dBA
5590	0	dBA

Point of Reception 32		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1908	-7	dBA
1912	4	dBA
1913	4	dBA
2205	0	dBA
2208	0	dBA
2209	0	dBA
2252	0	dBA
2255	0	dBA
2256	0	dBA
2100	0	dBA
2103	0	dBA
2104	0	dBA
2004	0	dBA
2007	0	dBA
2009	0	dBA
2048	0	dBA
2051	0	dBA
2053	0	dBA
2226	0	dBA
2229	0	dBA
2231	0	dBA
2503	0	dBA
5035	0	dBA
5227	0	dBA
5165	0	dBA
5335	0	dBA
5276	0	dBA
5444	0	dBA
5386	0	dBA
5554	0	dBA
5499	0	dBA
5666	0	dBA
5614	0	dBA

Point of Reception 33		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2998	-6	dBA
3000	6	dBA
3002	6	dBA
3400	-7	dBA
3401	4	dBA
3403	4	dBA
3383	-8	dBA
3385	3	dBA
3387	3	dBA
3264	-7	dBA
3265	4	dBA
3268	4	dBA
3136	-6	dBA
3137	5	dBA
3139	5	dBA
3071	-7	dBA
3072	4	dBA
3075	4	dBA
3301	-8	dBA
3303	3	dBA
3305	3	dBA
3525	0	dBA
4728	0	dBA
4899	0	dBA
4879	0	dBA
5031	0	dBA
5011	0	dBA
5161	0	dBA
5143	0	dBA
5292	0	dBA
5276	0	dBA
5424	0	dBA
5411	0	dBA

Point of Reception 34		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1999	-8	dBA
2002	0	dBA
2003	0	dBA
2251	0	dBA
2254	0	dBA
2255	0	dBA
2318	0	dBA
2322	0	dBA
2323	0	dBA
2159	0	dBA
2162	0	dBA
2164	0	dBA
2078	0	dBA
2081	0	dBA
2083	0	dBA
2153	0	dBA
2157	0	dBA
2158	0	dBA
2312	0	dBA
2315	0	dBA
2316	0	dBA
2596	0	dBA
5285	0	dBA
5479	0	dBA
5415	0	dBA
5585	0	dBA
5523	0	dBA
5693	0	dBA
5633	0	dBA
5801	0	dBA
5744	0	dBA
5911	0	dBA
5857	0	dBA

Point of Reception 35		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2114	0	dBA
2118	0	dBA
2119	0	dBA
2285	0	dBA
2289	0	dBA
2290	0	dBA
2385	0	dBA
2389	0	dBA
2390	0	dBA
2219	0	dBA
2223	0	dBA
2224	0	dBA
2164	0	dBA
2168	0	dBA
2169	0	dBA
2289	0	dBA
2293	0	dBA
2294	0	dBA
2409	0	dBA
2413	0	dBA
2414	0	dBA
2701	0	dBA
5662	0	dBA
5857	0	dBA
5787	0	dBA
5959	0	dBA
5892	0	dBA
6062	0	dBA
5997	0	dBA
6167	0	dBA
6104	0	dBA
6273	0	dBA
6213	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR36			Point of Reception ID POR37			Point of Reception ID POR38			Point of Reception ID POR39			Point of Reception ID POR40				
Point of Reception Description House 36			Point of Reception Description House 37			Point of Reception Description House 38			Point of Reception Description House 39			Point of Reception Description House 40				
X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z		
369362	4908338	136.5	369758	4908368	135.2	369924	4908274	132.2	370056	4908282	130.3	370552	4908625	131.1		
Source ID ⁽¹⁾	Source Description	Point of Reception 36			Point of Reception 37			Point of Reception 38			Point of Reception 39			Point of Reception 40		
		Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
P1_U1	MVPP P1_U1	1418	18	dBA	1064	21	dBA	1000	22	dBA	906	22	dBA	372	30	dBA
P1_U2	MVPP P1_U2	1444	13	dBA	1110	15	dBA	1068	15	dBA	985	16	dBA	495	22	dBA
P1_U3	MVPP P1_U3	1475	12	dBA	1161	14	dBA	1135	15	dBA	1062	15	dBA	604	20	dBA
P2_U1	MVPP P2/U1_U1	1373	9	dBA	1145	10	dBA	1183	10	dBA	1150	10	dBA	871	13	dBA
P3_U1	MVPP P3_U1	1084	15	dBA	883	17	dBA	948	12	dBA	939	12	dBA	815	13	dBA
P3_U2	MVPP P3_U2	957	22	dBA	735	24	dBA	798	24	dBA	792	20	dBA	726	21	dBA
P3_U3	MVPP P3_U3	844	17	dBA	587	20	dBA	639	20	dBA	633	20	dBA	638	15	dBA
P3_U4	MVPP P3_U4	761	18	dBA	464	22	dBA	502	22	dBA	494	22	dBA	583	16	dBA
P3_U5	MVPP P3_U5	692	19	dBA	346	25	dBA	355	25	dBA	346	25	dBA	559	17	dBA
P3_U6	MVPP P3_U6	653	19	dBA	267	27	dBA	222	28	dBA	209	29	dBA	570	16	dBA
P4_U1	MVPP P4_U1	1066	21	dBA	1106	21	dBA	1258	16	dBA	1314	15	dBA	1414	15	dBA
P4_U2	MVPP P4_U2	927	22	dBA	973	22	dBA	1131	17	dBA	1193	16	dBA	1336	15	dBA
P4_U3	MVPP P4_U3	798	17	dBA	853	17	dBA	1016	11	dBA	1085	11	dBA	1273	9	dBA
P4_U4	MVPP P4_U4	659	18	dBA	727	19	dBA	897	17	dBA	975	12	dBA	1217	10	dBA
P4_U5	MVPP P4_U5	520	27	dBA	607	23	dBA	784	20	dBA	873	19	dBA	1176	17	dBA
P6A_U1	MVPP P6A_U1	1592	14	dBA	1983	12	dBA	2157	0	dBA	2288	0	dBA	2769	0	dBA
P6A_U2	MVPP P6A_U2	1686	7	dBA	2083	0	dBA	2247	0	dBA	2379	0	dBA	2896	0	dBA
P6A_U3	MVPP P6A_U3	1477	8	dBA	1873	6	dBA	2040	0	dBA	2172	0	dBA	2681	0	dBA
P7_9_10_U1	MVPP P7/9/10_U1	2444	0	dBA	2812	0	dBA	2997	0	dBA	3122	0	dBA	3532	0	dBA
P7_9_10_U2	MVPP P7/9/10_U2	2395	0	dBA	2770	0	dBA	2954	0	dBA	3080	0	dBA	3508	0	dBA
P7_9_10_U3	MVPP P7/9/10_U3	2351	0	dBA	2733	0	dBA	2914	0	dBA	3042	0	dBA	3489	0	dBA
P7_9_10_U4	MVPP P7/9/10_U4	2319	0	dBA	2706	0	dBA	2883	0	dBA	3013	0	dBA	3476	0	dBA
P11A_U3	MVPP P11A_U3	2432	0	dBA	2829	0	dBA	2991	0	dBA	3124	0	dBA	3641	0	dBA
P12_U1	MVPP P12_U1	1189	20	dBA	1031	21	dBA	900	23	dBA	896	23	dBA	1327	19	dBA
P12_U2	MVPP P12_U2	1280	19	dBA	1137	20	dBA	1008	21	dBA	1005	22	dBA	1428	18	dBA
P12_U3	MVPP P12_U3	1416	18	dBA	1290	19	dBA	1166	20	dBA	1163	20	dBA	1577	17	dBA
P12_U4	MVPP P12_U4	1280	19	dBA	1084	21	dBA	934	22	dBA	909	22	dBA	1281	19	dBA
P12_U5	MVPP P12_U5	1438	18	dBA	1269	19	dBA	1127	20	dBA	1107	21	dBA	1473	18	dBA
P12_U6	MVPP P12_U6	1537	12	dBA	1382	13	dBA	1244	14	dBA	1226	14	dBA	1589	12	dBA
P12_U7	MVPP P12_U7	1656	11	dBA	1515	12	dBA	1380	13	dBA	1364	13	dBA	1725	11	dBA
P14A_U1	MVPP P14A_U1	1461	18	dBA	1785	16	dBA	1873	12	dBA	1992	11	dBA	2592	0	dBA
P14A_U2	MVPP P14A_U2	1384	19	dBA	1723	17	dBA	1820	12	dBA	1942	12	dBA	2538	0	dBA
P14A_U3	MVPP P14A_U3	1309	9	dBA	1662	7	dBA	1769	6	dBA	1895	6	dBA	2486	0	dBA
P14A_U4	MVPP P14A_U4	1238	10	dBA	1605	7	dBA	1725	7	dBA	1853	6	dBA	2436	0	dBA
P14A_U5	MVPP P14A_U5	1203	10	dBA	1578	7	dBA	1704	7	dBA	1834	6	dBA	2411	0	dBA
P14A_U6	MVPP P14A_U6	1159	14	dBA	1543	8	dBA	1679	7	dBA	1810	6	dBA	2377	0	dBA
P14A_U7	MVPP P14A_U7	1508	18	dBA	1785	16	dBA	1843	16	dBA	1952	15	dBA	2554	0	dBA
P14A_U8	MVPP P14A_U8	1414	18	dBA	1705	17	dBA	1772	16	dBA	1885	16	dBA	2487	0	dBA
P14A_U9	MVPP P14A_U9	1339	19	dBA	1642	17	dBA	1718	17	dBA	1833	16	dBA	2435	0	dBA
P14A_U10	MVPP P14A_U10	1246	20	dBA	1566	17	dBA	1653	13	dBA	1773	13	dBA	2372	0	dBA
P14A_U11	MVPP P14A_U11	1160	20	dBA	1497	18	dBA	1596	14	dBA	1719	13	dBA	2314	0	dBA
P14A_U12	MVPP P14A_U12	1077	11	dBA	1432	8	dBA	1545	8	dBA	1671	7	dBA	2259	0	dBA
P14A_U13	MVPP P14A_U13	1036	11	dBA	1401	8	dBA	1520	8	dBA	1649	7	dBA	2231	0	dBA
P14A_U14	MVPP P14A_U14	982	12	dBA	1360	9	dBA	1491	8	dBA	1621	7	dBA	2193	0	dBA
P14A_U15	MVPP P14A_U15	1403	18	dBA	1653	17	dBA	1699	17	dBA	1803	16	dBA	2402	0	dBA
P14A_U16	MVPP P14A_U16	1285	19	dBA	1553	18	dBA	1610	17	dBA	1719	17	dBA	2321	0	dBA
P14A_U17	MVPP P14A_U17	1164	20	dBA	1453	18	dBA	1523	18	dBA	1638	17	dBA	2240	0	dBA
P14A_U18	MVPP P14A_U18	1058	21	dBA	1367	19	dBA	1452	15	dBA	1571	14	dBA	2171	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID POR36				Point of Reception ID POR37				Point of Reception ID POR38				Point of Reception ID POR39				Point of Reception ID POR40			
Point of Reception Description House 36				Point of Reception Description House 37				Point of Reception Description House 38				Point of Reception Description House 39				Point of Reception Description House 40			
X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z	
369362	4908338	136.5		369758	4908368	135.2		369924	4908274	132.2		370056	4908282	130.3		370552	4908625	131.1	

Source ID ^[1]	Source Description	Point of Reception 36			Point of Reception 37			Point of Reception 38			Point of Reception 39			Point of Reception 40		
		Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)	Distance (m)	Sound Level at PoR ^[5]	Units ^[4] (dBA)
P14A_U19	MVPP P14A_U19	959	16	dBA	1291	14	dBA	1390	9	dBA	1514	8	dBA	2108	0	dBA
P14A_U20	MVPP P14A_U20	867	13	dBA	1222	10	dBA	1338	9	dBA	1466	8	dBA	2050	0	dBA
P14A_U21	MVPP P14A_U21	801	13	dBA	1174	10	dBA	1304	9	dBA	1434	8	dBA	2007	0	dBA
P14B_U1	MVPP P14B_U1	1533	14	dBA	1885	12	dBA	1989	11	dBA	2114	0	dBA	2707	0	dBA
P14B_U2	MVPP P14B_U2	1472	14	dBA	1834	12	dBA	1947	12	dBA	2074	0	dBA	2662	0	dBA
P14B_U3	MVPP P14B_U3	1413	8	dBA	1786	6	dBA	1909	6	dBA	2038	0	dBA	2618	0	dBA
P14B_U4	MVPP P14B_U4	1382	9	dBA	1761	6	dBA	1890	6	dBA	2020	0	dBA	2594	0	dBA
P14B_U5	MVPP P14B_U5	1339	13	dBA	1726	7	dBA	1865	6	dBA	1996	5	dBA	2560	0	dBA
P14B_U6	MVPP P14B_U6	1593	7	dBA	1969	5	dBA	2094	0	dBA	2223	0	dBA	2801	0	dBA
P14B_U7	MVPP P14B_U7	1546	12	dBA	1931	6	dBA	2065	0	dBA	2195	0	dBA	2764	0	dBA
P14B_U8	MVPP P14B_U8	1501	8	dBA	1893	6	dBA	2037	0	dBA	2170	0	dBA	2724	0	dBA
P14C_U1	MVPP P14C_U1	2017	0	dBA	2377	0	dBA	2486	0	dBA	2611	0	dBA	3202	0	dBA
P14C_U2	MVPP P14C_U2	1960	15	dBA	2328	0	dBA	2444	0	dBA	2571	0	dBA	3158	0	dBA
P14C_U3	MVPP P14C_U3	1918	12	dBA	2292	0	dBA	2415	0	dBA	2543	0	dBA	3124	0	dBA
P14C_U4	MVPP P14C_U4	1802	12	dBA	2170	0	dBA	2287	0	dBA	2414	0	dBA	3000	0	dBA
P19_20_U1	MVPP P19/20_U1	3818	0	dBA	4183	0	dBA	4291	0	dBA	4416	0	dBA	5009	0	dBA
P19_U1	MVPP P19_U1	3777	0	dBA	4147	0	dBA	4260	0	dBA	4386	0	dBA	4975	0	dBA
P19_U2	MVPP P19_U2	3773	0	dBA	4146	0	dBA	4263	0	dBA	4390	0	dBA	4977	0	dBA
P19_U3	MVPP P19_U3	3771	0	dBA	4149	0	dBA	4270	0	dBA	4397	0	dBA	4981	0	dBA
P19_U4	MVPP P19_U4	3970	0	dBA	4342	0	dBA	4457	0	dBA	4583	0	dBA	5172	0	dBA
P19_U5	MVPP P19_U5	3967	0	dBA	4343	0	dBA	4462	0	dBA	4589	0	dBA	5174	0	dBA
P20_U1	MVPP P20_U1	4161	0	dBA	4540	0	dBA	4663	0	dBA	4791	0	dBA	5373	0	dBA
P21_U1	MVPP P21_U1	5238	0	dBA	5584	0	dBA	5674	0	dBA	5792	0	dBA	6393	0	dBA
P21_U2	MVPP P21_U2	5209	0	dBA	5560	0	dBA	5655	0	dBA	5774	0	dBA	6374	0	dBA
P21_U3	MVPP P21_U3	5189	0	dBA	5544	0	dBA	5643	0	dBA	5763	0	dBA	6362	0	dBA
P21_U4	MVPP P21_U4	5144	0	dBA	5507	0	dBA	5611	0	dBA	5734	0	dBA	6330	0	dBA
P21_U5	MVPP P21_U5	5134	0	dBA	5500	0	dBA	5607	0	dBA	5730	0	dBA	6325	0	dBA
P21_U6	MVPP P21_U6	5125	0	dBA	5494	0	dBA	5604	0	dBA	5729	0	dBA	6321	0	dBA
P21_U7	MVPP P21_U7	5119	0	dBA	5490	0	dBA	5604	0	dBA	5729	0	dBA	6319	0	dBA
P21_U8	MVPP P21_U8	5115	0	dBA	5489	0	dBA	5605	0	dBA	5731	0	dBA	6319	0	dBA
P21_U9	MVPP P21_U9	5112	0	dBA	5490	0	dBA	5610	0	dBA	5737	0	dBA	6322	0	dBA
P22_U1	MVPP P22_U1	5384	0	dBA	5733	0	dBA	5825	0	dBA	5943	0	dBA	6544	0	dBA
P22_U2	MVPP P22_U2	5356	0	dBA	5709	0	dBA	5806	0	dBA	5926	0	dBA	6525	0	dBA
P22_U3	MVPP P22_U3	5337	0	dBA	5697	0	dBA	5799	0	dBA	5921	0	dBA	6518	0	dBA
P22_U4	MVPP P22_U4	5317	0	dBA	5682	0	dBA	5790	0	dBA	5913	0	dBA	6507	0	dBA
P22_U5	MVPP P22_U5	5305	0	dBA	5674	0	dBA	5786	0	dBA	5911	0	dBA	6502	0	dBA
P22_U6	MVPP P22_U6	5368	0	dBA	5743	0	dBA	5860	0	dBA	5986	0	dBA	6574	0	dBA
P23_U1	MVPP P23_U1	5588	0	dBA	5939	0	dBA	6033	0	dBA	6151	0	dBA	6752	0	dBA
P23_U2	MVPP P23_U2	5565	0	dBA	5920	0	dBA	6017	0	dBA	6137	0	dBA	6736	0	dBA
P23_U3	MVPP P23_U3	5546	0	dBA	5905	0	dBA	6006	0	dBA	6128	0	dBA	6725	0	dBA
P23_U4	MVPP P23_U4	5529	0	dBA	5892	0	dBA	5997	0	dBA	6120	0	dBA	6715	0	dBA
P23_U5	MVPP P23_U5	5514	0	dBA	5882	0	dBA	5991	0	dBA	6115	0	dBA	6708	0	dBA
P23_U6	MVPP P23_U6	5505	0	dBA	5876	0	dBA	5989	0	dBA	6114	0	dBA	6705	0	dBA
P23_U7	MVPP P23_U7	5498	0	dBA	5873	0	dBA	5989	0	dBA	6115	0	dBA	6703	0	dBA
P24_U1	MVPP P24_U1	5414	0	dBA	5748	0	dBA	5828	0	dBA	5942	0	dBA	6545	0	dBA
P24_U2	MVPP P24_U2	5312	0	dBA	5649	0	dBA	5733	0	dBA	5848	0	dBA	6450	0	dBA
P24_U3	MVPP P24_U3	5213	0	dBA	5543	0	dBA	5620	0	dBA	5733	0	dBA	6336	0	dBA
TS	Transformer Station	463	38	dBA	525	38	dBA	703	36	dBA	793	35	dBA	1115	31	dBA
H1T	Hut 1 Transformer	2185	0	dBA	2192	0	dBA	2110	0	dBA	2136	0	dBA	2595	0	dBA
H1I1	Hut 1 Inverter 1	2189	0	dBA	2196	0	dBA	2114	0	dBA	2141	0	dBA	2600	0	dBA
H1I2	Hut 1 Inverter 2	2190	0	dBA	2196	0	dBA	2114	0	dBA	2141	0	dBA	2599	0	dBA
H2T	Hut 2 Transformer	2165	0	dBA	2205	0	dBA	2137	0	dBA	2175	0	dBA	2661	0	dBA
H2I1	Hut 2 Inverter 1	2170	0	dBA	2210	0	dBA	2142	0	dBA	2180	0	dBA	2666	0	dBA
H2I2	Hut 2 Inverter 2	2170	0	dBA	2209	0	dBA	2142	0	dBA	2179	0	dBA	2665	0	dBA
H3T	Hut 3 Transformer	2161	0	dBA	2233	0	dBA	2180	0	dBA	2228	0	dBA	2737	0	dBA
H3I1	Hut 3 Inverter 1	2165	0	dBA	2238	0	dBA	2185	0	dBA	2233	0	dBA	2742	0	dBA
H3I2	Hut 3 Inverter 2	2165	0	dBA	2237	0	dBA	2184	0	dBA	2232	0	dBA	2741	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID	Point of Reception ID
POR36	POR37	POR38	POR39	POR40
Point of Reception Description	Point of Reception Description	Point of Reception Description	Point of Reception Description	Point of Reception Description
House 36	House 37	House 38	House 39	House 40
X Y Z	X Y Z	X Y Z	X Y Z	X Y Z
369362 4908338 136.5	369758 4908368 135.2	369924 4908274 132.2	370056 4908282 130.3	370552 4908625 131.1

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 36		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1756	-6	dBA
1761	5	dBA
1761	5	dBA
1829	-7	dBA
1833	4	dBA
1834	4	dBA
1959	-8	dBA
1964	3	dBA
1964	3	dBA
1792	-6	dBA
1796	5	dBA
1797	5	dBA
1768	-6	dBA
1773	5	dBA
1773	5	dBA
1946	-8	dBA
1950	4	dBA
1950	4	dBA
2016	0	dBA
2021	0	dBA
2021	0	dBA
2306	0	dBA
5648	0	dBA
5846	0	dBA
5763	0	dBA
5937	0	dBA
5856	0	dBA
6030	0	dBA
5951	0	dBA
6124	0	dBA
6048	0	dBA
6220	0	dBA
6147	0	dBA

Point of Reception 37		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1818	-7	dBA
1822	4	dBA
1822	4	dBA
1789	-6	dBA
1794	5	dBA
1794	5	dBA
1947	-8	dBA
1951	4	dBA
1951	4	dBA
1786	-6	dBA
1791	5	dBA
1791	5	dBA
1795	-7	dBA
1800	5	dBA
1799	5	dBA
2011	0	dBA
2016	0	dBA
2016	0	dBA
2034	0	dBA
2039	0	dBA
2039	0	dBA
2312	0	dBA
5876	0	dBA
6074	0	dBA
5984	0	dBA
6158	0	dBA
6071	0	dBA
6245	0	dBA
6159	0	dBA
6333	0	dBA
6250	0	dBA
6424	0	dBA
6343	0	dBA

Point of Reception 38		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1765	-6	dBA
1770	5	dBA
1769	5	dBA
1692	-6	dBA
1697	5	dBA
1697	5	dBA
1859	-7	dBA
1863	4	dBA
1863	4	dBA
1703	-6	dBA
1708	5	dBA
1708	5	dBA
1726	-6	dBA
1731	5	dBA
1731	5	dBA
1958	-8	dBA
1963	3	dBA
1962	3	dBA
1958	-8	dBA
1963	3	dBA
1963	3	dBA
2228	0	dBA
5887	0	dBA
6085	0	dBA
5991	0	dBA
6166	0	dBA
6075	0	dBA
6249	0	dBA
6159	0	dBA
6334	0	dBA
6247	0	dBA
6421	0	dBA
6336	0	dBA

Point of Reception 39		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1815	-7	dBA
1820	4	dBA
1819	4	dBA
1709	-6	dBA
1714	5	dBA
1713	5	dBA
1882	-7	dBA
1887	4	dBA
1887	4	dBA
1887	4	dBA
1732	-6	dBA
1737	5	dBA
1736	5	dBA
1766	-6	dBA
1771	5	dBA
1770	5	dBA
2006	0	dBA
2011	0	dBA
2010	0	dBA
1991	-8	dBA
1996	3	dBA
1995	3	dBA
2253	0	dBA
5969	0	dBA
6167	0	dBA
6071	0	dBA
6245	0	dBA
6152	0	dBA
6326	0	dBA
6235	0	dBA
6409	0	dBA
6320	0	dBA
6494	0	dBA
6408	0	dBA

Point of Reception 40		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2335	0	dBA
2340	0	dBA
2339	0	dBA
2151	0	dBA
2156	0	dBA
2155	0	dBA
2337	0	dBA
2342	0	dBA
2341	0	dBA
2204	0	dBA
2208	0	dBA
2207	0	dBA
2263	0	dBA
2267	0	dBA
2266	0	dBA
2520	0	dBA
2524	0	dBA
2523	0	dBA
2467	0	dBA
2472	0	dBA
2471	0	dBA
2704	0	dBA
6537	0	dBA
6734	0	dBA
6635	0	dBA
6809	0	dBA
6712	0	dBA
6886	0	dBA
6790	0	dBA
6965	0	dBA
6872	0	dBA
7046	0	dBA
6955	0	dBA

Appendix H: Point of Reception Noise Impact



Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON

Source ID ⁽¹⁾	Source Description	Point of Reception 41			Point of Reception 42			Point of Reception 43			Point of Reception 44			Point of Reception 45		
		Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
		X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
		370697	4908843	133.1	370666	4909184	137.6	370488	4909382	139.8	370378	4909505	137.5	370413	4909228	140.5
P1_U1	MVPP P1_U1	165	37	dBA	199	36	dBA	414	26	dBA	570	23	dBA	316	32	dBA
P1_U2	MVPP P1_U2	301	26	dBA	111	34	dBA	278	27	dBA	434	19	dBA	196	29	dBA
P1_U3	MVPP P1_U3	417	23	dBA	136	32	dBA	162	31	dBA	320	26	dBA	125	33	dBA
P2_U1	MVPP P2/U1_U1	762	14	dBA	522	17	dBA	288	26	dBA	193	29	dBA	287	26	dBA
P3_U1	MVPP P3_U1	798	13	dBA	674	15	dBA	521	21	dBA	479	22	dBA	420	23	dBA
P3_U2	MVPP P3_U2	754	21	dBA	698	21	dBA	598	26	dBA	591	26	dBA	463	28	dBA
P3_U3	MVPP P3_U3	719	19	dBA	737	18	dBA	692	19	dBA	714	19	dBA	536	21	dBA
P3_U4	MVPP P3_U4	714	19	dBA	795	18	dBA	790	18	dBA	831	17	dBA	625	20	dBA
P3_U5	MVPP P3_U5	738	18	dBA	877	17	dBA	907	17	dBA	963	12	dBA	737	18	dBA
P3_U6	MVPP P3_U6	785	18	dBA	967	16	dBA	1023	11	dBA	1090	11	dBA	852	17	dBA
P4_U1	MVPP P4_U1	1439	15	dBA	1313	15	dBA	1116	21	dBA	1011	18	dBA	1056	21	dBA
P4_U2	MVPP P4_U2	1384	15	dBA	1290	16	dBA	1115	21	dBA	1027	21	dBA	1035	21	dBA
P4_U3	MVPP P4_U3	1344	9	dBA	1282	9	dBA	1130	15	dBA	1059	15	dBA	1032	16	dBA
P4_U4	MVPP P4_U4	1314	9	dBA	1288	9	dBA	1162	14	dBA	1109	15	dBA	1047	15	dBA
P4_U5	MVPP P4_U5	1298	16	dBA	1309	16	dBA	1209	20	dBA	1174	20	dBA	1080	21	dBA
P6A_U1	MVPP P6A_U1	2929	0	dBA	2953	0	dBA	2832	0	dBA	2767	0	dBA	2718	0	dBA
P6A_U2	MVPP P6A_U2	3073	0	dBA	3124	0	dBA	3021	0	dBA	2967	0	dBA	2897	0	dBA
P6A_U3	MVPP P6A_U3	2856	0	dBA	2905	0	dBA	2802	0	dBA	2750	0	dBA	2678	0	dBA
P7_9_10_U1	MVPP P7/9/10_U1	3651	0	dBA	3607	0	dBA	3436	0	dBA	3336	0	dBA	3354	0	dBA
P7_9_10_U2	MVPP P7/9/10_U2	3636	0	dBA	3605	0	dBA	3442	0	dBA	3348	0	dBA	3355	0	dBA
P7_9_10_U3	MVPP P7/9/10_U3	3626	0	dBA	3609	0	dBA	3455	0	dBA	3367	0	dBA	3361	0	dBA
P7_9_10_U4	MVPP P7/9/10_U4	3622	0	dBA	3618	0	dBA	3473	0	dBA	3391	0	dBA	3374	0	dBA
P11A_U3	MVPP P11A_U3	3816	0	dBA	3857	0	dBA	3742	0	dBA	3679	0	dBA	3625	0	dBA
P12_U1	MVPP P12_U1	1584	17	dBA	1892	16	dBA	2038	0	dBA	2140	0	dBA	1872	16	dBA
P12_U2	MVPP P12_U2	1683	17	dBA	1995	15	dBA	2144	0	dBA	2248	0	dBA	1979	15	dBA
P12_U3	MVPP P12_U3	1830	16	dBA	2145	0	dBA	2299	0	dBA	2404	0	dBA	2134	0	dBA
P12_U4	MVPP P12_U4	1532	18	dBA	1851	16	dBA	2013	0	dBA	2124	0	dBA	1851	16	dBA
P12_U5	MVPP P12_U5	1720	17	dBA	2043	0	dBA	2209	0	dBA	2322	0	dBA	2048	0	dBA
P12_U6	MVPP P12_U6	1835	10	dBA	2160	0	dBA	2328	0	dBA	2441	0	dBA	2167	0	dBA
P12_U7	MVPP P12_U7	1969	10	dBA	2295	0	dBA	2466	0	dBA	2579	0	dBA	2305	0	dBA
P14A_U1	MVPP P14A_U1	2829	0	dBA	3002	0	dBA	2996	0	dBA	3005	0	dBA	2837	0	dBA
P14A_U2	MVPP P14A_U2	2772	0	dBA	2933	0	dBA	2919	0	dBA	2923	0	dBA	2762	0	dBA
P14A_U3	MVPP P14A_U3	2713	0	dBA	2863	0	dBA	2839	0	dBA	2838	0	dBA	2685	0	dBA
P14A_U4	MVPP P14A_U4	2656	0	dBA	2792	0	dBA	2757	0	dBA	2749	0	dBA	2606	0	dBA
P14A_U5	MVPP P14A_U5	2627	0	dBA	2754	0	dBA	2713	0	dBA	2701	0	dBA	2564	0	dBA
P14A_U6	MVPP P14A_U6	2586	0	dBA	2700	0	dBA	2649	0	dBA	2631	0	dBA	2503	0	dBA
P14A_U7	MVPP P14A_U7	2802	0	dBA	3004	0	dBA	3026	0	dBA	3051	0	dBA	2861	0	dBA
P14A_U8	MVPP P14A_U8	2733	0	dBA	2925	0	dBA	2939	0	dBA	2960	0	dBA	2776	0	dBA
P14A_U9	MVPP P14A_U9	2677	0	dBA	2862	0	dBA	2869	0	dBA	2886	0	dBA	2707	0	dBA
P14A_U10	MVPP P14A_U10	2610	0	dBA	2783	0	dBA	2780	0	dBA	2792	0	dBA	2620	0	dBA
P14A_U11	MVPP P14A_U11	2546	0	dBA	2707	0	dBA	2695	0	dBA	2701	0	dBA	2537	0	dBA
P14A_U12	MVPP P14A_U12	2484	0	dBA	2631	0	dBA	2608	0	dBA	2607	0	dBA	2453	0	dBA
P14A_U13	MVPP P14A_U13	2452	0	dBA	2590	0	dBA	2560	0	dBA	2555	0	dBA	2407	0	dBA
P14A_U14	MVPP P14A_U14	2407	0	dBA	2531	0	dBA	2491	0	dBA	2480	0	dBA	2341	0	dBA
P14A_U15	MVPP P14A_U15	2654	0	dBA	2867	0	dBA	2900	0	dBA	2933	0	dBA	2733	0	dBA
P14A_U16	MVPP P14A_U16	2569	0	dBA	2771	0	dBA	2795	0	dBA	2823	0	dBA	2630	0	dBA
P14A_U17	MVPP P14A_U17	2483	0	dBA	2673	0	dBA	2687	0	dBA	2708	0	dBA	2523	0	dBA
P14A_U18	MVPP P14A_U18	2409	0	dBA	2586	0	dBA	2589	0	dBA	2605	0	dBA	2428	0	dBA

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID POR41				Point of Reception ID POR42				Point of Reception ID POR43				Point of Reception ID POR44				Point of Reception ID POR45			
Point of Reception Description House 41				Point of Reception Description House 42				Point of Reception Description House 43				Point of Reception Description House 44				Point of Reception Description House 45			
X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z		X	Y	Z	
370697	4908843	133.1		370666	4909184	137.6		370488	4909382	139.8		370378	4909505	137.5		370413	4909228	140.5	
Source ID ^[1]	Source Description	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]	Distance (m)	Sound Level at PoR ^[3] (dBA)	Units ^[4]
P14A_U19	MVPP P14A_U19	2340	0	dBA	2503	0	dBA	2495	0	dBA	2504	0	dBA	2336	0	dBA			
P14A_U20	MVPP P14A_U20	2274	0	dBA	2420	0	dBA	2399	0	dBA	2401	0	dBA	2243	0	dBA			
P14A_U21	MVPP P14A_U21	2223	0	dBA	2354	0	dBA	2321	0	dBA	2315	0	dBA	2168	0	dBA			
P14B_U1	MVPP P14B_U1	2936	0	dBA	3087	0	dBA	3063	0	dBA	3060	0	dBA	2909	0	dBA			
P14B_U2	MVPP P14B_U2	2886	0	dBA	3026	0	dBA	2993	0	dBA	2985	0	dBA	2841	0	dBA			
P14B_U3	MVPP P14B_U3	2836	0	dBA	2963	0	dBA	2921	0	dBA	2907	0	dBA	2772	0	dBA			
P14B_U4	MVPP P14B_U4	2808	0	dBA	2927	0	dBA	2879	0	dBA	2861	0	dBA	2732	0	dBA			
P14B_U5	MVPP P14B_U5	2766	0	dBA	2872	0	dBA	2813	0	dBA	2789	0	dBA	2670	0	dBA			
P14B_U6	MVPP P14B_U6	3017	0	dBA	3140	0	dBA	3092	0	dBA	3074	0	dBA	2946	0	dBA			
P14B_U7	MVPP P14B_U7	2974	0	dBA	3084	0	dBA	3026	0	dBA	3002	0	dBA	2883	0	dBA			
P14B_U8	MVPP P14B_U8	2924	0	dBA	3017	0	dBA	2946	0	dBA	2914	0	dBA	2808	0	dBA			
P14C_U1	MVPP P14C_U1	3429	0	dBA	3571	0	dBA	3536	0	dBA	3524	0	dBA	3385	0	dBA			
P14C_U2	MVPP P14C_U2	3380	0	dBA	3512	0	dBA	3469	0	dBA	3453	0	dBA	3321	0	dBA			
P14C_U3	MVPP P14C_U3	3342	0	dBA	3466	0	dBA	3416	0	dBA	3396	0	dBA	3270	0	dBA			
P14C_U4	MVPP P14C_U4	3221	0	dBA	3354	0	dBA	3312	0	dBA	3297	0	dBA	3164	0	dBA			
P19_20_U1	MVPP P19/20_U1	5235	0	dBA	5370	0	dBA	5321	0	dBA	5298	0	dBA	5176	0	dBA			
P19_U1	MVPP P19_U1	5198	0	dBA	5326	0	dBA	5272	0	dBA	5245	0	dBA	5128	0	dBA			
P19_U2	MVPP P19_U2	5197	0	dBA	5317	0	dBA	5258	0	dBA	5227	0	dBA	5116	0	dBA			
P19_U3	MVPP P19_U3	5197	0	dBA	5311	0	dBA	5245	0	dBA	5211	0	dBA	5106	0	dBA			
P19_U4	MVPP P19_U4	5393	0	dBA	5517	0	dBA	5459	0	dBA	5430	0	dBA	5317	0	dBA			
P19_U5	MVPP P19_U5	5393	0	dBA	5509	0	dBA	5446	0	dBA	5413	0	dBA	5306	0	dBA			
P20_U1	MVPP P20_U1	5588	0	dBA	5697	0	dBA	5627	0	dBA	5590	0	dBA	5490	0	dBA			
P21_U1	MVPP P21_U1	6631	0	dBA	6792	0	dBA	6763	0	dBA	6750	0	dBA	6612	0	dBA			
P21_U2	MVPP P21_U2	6609	0	dBA	6764	0	dBA	6729	0	dBA	6713	0	dBA	6579	0	dBA			
P21_U3	MVPP P21_U3	6595	0	dBA	6743	0	dBA	6703	0	dBA	6684	0	dBA	6555	0	dBA			
P21_U4	MVPP P21_U4	6559	0	dBA	6697	0	dBA	6648	0	dBA	6624	0	dBA	6503	0	dBA			
P21_U5	MVPP P21_U5	6551	0	dBA	6685	0	dBA	6633	0	dBA	6606	0	dBA	6489	0	dBA			
P21_U6	MVPP P21_U6	6546	0	dBA	6674	0	dBA	6618	0	dBA	6588	0	dBA	6475	0	dBA			
P21_U7	MVPP P21_U7	6542	0	dBA	6665	0	dBA	6604	0	dBA	6572	0	dBA	6464	0	dBA			
P21_U8	MVPP P21_U8	6539	0	dBA	6657	0	dBA	6593	0	dBA	6558	0	dBA	6453	0	dBA			
P21_U9	MVPP P21_U9	6539	0	dBA	6650	0	dBA	6580	0	dBA	6542	0	dBA	6443	0	dBA			
P22_U1	MVPP P22_U1	6781	0	dBA	6939	0	dBA	6906	0	dBA	6892	0	dBA	6756	0	dBA			
P22_U2	MVPP P22_U2	6759	0	dBA	6910	0	dBA	6872	0	dBA	6854	0	dBA	6723	0	dBA			
P22_U3	MVPP P22_U3	6749	0	dBA	6890	0	dBA	6845	0	dBA	6822	0	dBA	6698	0	dBA			
P22_U4	MVPP P22_U4	6734	0	dBA	6868	0	dBA	6815	0	dBA	6787	0	dBA	6671	0	dBA			
P22_U5	MVPP P22_U5	6726	0	dBA	6852	0	dBA	6794	0	dBA	6763	0	dBA	6652	0	dBA			
P22_U6	MVPP P22_U6	6793	0	dBA	6910	0	dBA	6843	0	dBA	6807	0	dBA	6705	0	dBA			
P23_U1	MVPP P23_U1	6988	0	dBA	7143	0	dBA	7108	0	dBA	7092	0	dBA	6958	0	dBA			
P23_U2	MVPP P23_U2	6970	0	dBA	7119	0	dBA	7079	0	dBA	7060	0	dBA	6931	0	dBA			
P23_U3	MVPP P23_U3	6956	0	dBA	7099	0	dBA	7054	0	dBA	7031	0	dBA	6908	0	dBA			
P23_U4	MVPP P23_U4	6944	0	dBA	7081	0	dBA	7031	0	dBA	7005	0	dBA	6886	0	dBA			
P23_U5	MVPP P23_U5	6934	0	dBA	7063	0	dBA	7007	0	dBA	6977	0	dBA	6865	0	dBA			
P23_U6	MVPP P23_U6	6927	0	dBA	7051	0	dBA	6989	0	dBA	6957	0	dBA	6849	0	dBA			
P23_U7	MVPP P23_U7	6923	0	dBA	7040	0	dBA	6973	0	dBA	6937	0	dBA	6835	0	dBA			
P24_U1	MVPP P24_U1	6788	0	dBA	6963	0	dBA	6946	0	dBA	6941	0	dBA	6791	0	dBA			
P24_U2	MVPP P24_U2	6692	0	dBA	6863	0	dBA	6842	0	dBA	6835	0	dBA	6688	0	dBA			
P24_U3	MVPP P24_U3	6580	0	dBA	6760	0	dBA	6747	0	dBA	6745	0	dBA	6591	0	dBA			
TS	Transformer Station	1249	30	dBA	1278	31	dBA	1194	32	dBA	1170	32	dBA	1058	34	dBA			
H1T	Hut 1 Transformer	2850	0	dBA	3161	0	dBA	3303	0	dBA	3398	0	dBA	3135	0	dBA			
H1I1	Hut 1 Inverter 1	2855	0	dBA	3166	0	dBA	3308	0	dBA	3403	0	dBA	3140	0	dBA			
H1I2	Hut 1 Inverter 2	2854	0	dBA	3165	0	dBA	3307	0	dBA	3402	0	dBA	3140	0	dBA			
H2T	Hut 2 Transformer	2919	0	dBA	3222	0	dBA	3351	0	dBA	3440	0	dBA	3182	0	dBA			
H2I1	Hut 2 Inverter 1	2924	0	dBA	3227	0	dBA	3356	0	dBA	3445	0	dBA	3187	0	dBA			
H2I2	Hut 2 Inverter 2	2923	0	dBA	3226	0	dBA	3355	0	dBA	3444	0	dBA	3187	0	dBA			
H3T	Hut 3 Transformer	2998	0	dBA	3292	0	dBA	3409	0	dBA	3490	0	dBA	3239	0	dBA			
H3I1	Hut 3 Inverter 1	3003	0	dBA	3297	0	dBA	3414	0	dBA	3495	0	dBA	3244	0	dBA			
H3I2	Hut 3 Inverter 2	3001	0	dBA	3296	0	dBA	3413	0	dBA	3494	0	dBA	3243	0	dBA			

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID POR41	Point of Reception ID POR42	Point of Reception ID POR43	Point of Reception ID POR44	Point of Reception ID POR45
Point of Reception Description House 41	Point of Reception Description House 42	Point of Reception Description House 43	Point of Reception Description House 44	Point of Reception Description House 45
X Y Z	X Y Z	X Y Z	X Y Z	X Y Z
370697 4908843 133.1	370666 4909184 137.6	370488 4909382 139.8	370378 4909505 137.5	370413 4909228 140.5

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 41		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2597	0	dBA
2601	0	dBA
2600	0	dBA
2405	0	dBA
2410	0	dBA
2409	0	dBA
2592	0	dBA
2597	0	dBA
2596	0	dBA
2461	0	dBA
2466	0	dBA
2465	0	dBA
2522	0	dBA
2527	0	dBA
2526	0	dBA
2780	0	dBA
2785	0	dBA
2784	0	dBA
2725	0	dBA
2729	0	dBA
2728	0	dBA
2958	0	dBA
6799	0	dBA
6996	0	dBA
6897	0	dBA
7071	0	dBA
6974	0	dBA
7148	0	dBA
7053	0	dBA
7227	0	dBA
7134	0	dBA
7308	0	dBA
7217	0	dBA

Point of Reception 42		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2885	0	dBA
2890	0	dBA
2888	0	dBA
2718	0	dBA
2723	0	dBA
2722	0	dBA
2904	0	dBA
2908	0	dBA
2908	0	dBA
2766	0	dBA
2771	0	dBA
2770	0	dBA
2820	0	dBA
2825	0	dBA
2824	0	dBA
3072	0	dBA
3077	0	dBA
3076	0	dBA
3030	0	dBA
3035	0	dBA
3034	0	dBA
3272	0	dBA
7057	0	dBA
7255	0	dBA
7159	0	dBA
7334	0	dBA
7240	0	dBA
7415	0	dBA
7322	0	dBA
7497	0	dBA
7407	0	dBA
7581	0	dBA
7493	0	dBA

Point of Reception 43		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2997	0	dBA
3002	0	dBA
3001	0	dBA
2865	0	dBA
2870	0	dBA
2870	0	dBA
3046	0	dBA
3051	0	dBA
3050	0	dBA
2902	0	dBA
2907	0	dBA
2906	0	dBA
2944	0	dBA
2949	0	dBA
2948	0	dBA
3187	0	dBA
3192	0	dBA
3191	0	dBA
3164	0	dBA
3169	0	dBA
3168	0	dBA
3417	0	dBA
7123	0	dBA
7321	0	dBA
7229	0	dBA
7404	0	dBA
7315	0	dBA
7489	0	dBA
7401	0	dBA
7575	0	dBA
7489	0	dBA
7663	0	dBA
7580	0	dBA

Point of Reception 44		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
3076	0	dBA
3081	0	dBA
3080	0	dBA
2965	0	dBA
2970	0	dBA
2970	0	dBA
3143	0	dBA
3147	0	dBA
3147	0	dBA
2995	0	dBA
3000	0	dBA
2999	0	dBA
3030	0	dBA
3035	0	dBA
3034	0	dBA
3268	0	dBA
3273	0	dBA
3272	0	dBA
3255	0	dBA
3260	0	dBA
3259	0	dBA
3514	0	dBA
7168	0	dBA
7366	0	dBA
7277	0	dBA
7452	0	dBA
7365	0	dBA
7539	0	dBA
7454	0	dBA
7628	0	dBA
7545	0	dBA
7718	0	dBA
7637	0	dBA

Point of Reception 45		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2826	0	dBA
2831	0	dBA
2830	0	dBA
2699	0	dBA
2704	0	dBA
2704	0	dBA
2879	0	dBA
2884	0	dBA
2883	0	dBA
2734	0	dBA
2739	0	dBA
2738	0	dBA
2775	0	dBA
2779	0	dBA
2779	0	dBA
3017	0	dBA
3022	0	dBA
3021	0	dBA
2995	0	dBA
3000	0	dBA
3000	0	dBA
3250	0	dBA
6953	0	dBA
7151	0	dBA
7059	0	dBA
7234	0	dBA
7144	0	dBA
7319	0	dBA
7230	0	dBA
7405	0	dBA
7319	0	dBA
7492	0	dBA
7409	0	dBA

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID
POR46

Point of Reception ID
POR47

Point of Reception ID
POR48

Point of Reception ID
POR49

Point of Reception Description
House 46

Point of Reception Description
House 47

Point of Reception Description
House 48

Point of Reception Description
House 49

X	Y	Z
370365	4909176	139.6

X	Y	Z
370771	4907280	130.5

X	Y	Z
370350	4907280	130.5

X	Y	Z
370307	4906548	126.3

Source ID ⁽¹⁾	Source Description
P1_U1	MVPP P1_U1
P1_U2	MVPP P1_U2
P1_U3	MVPP P1_U3
P2_U1	MVPP P2_U1
P3_U1	MVPP P3_U1
P3_U2	MVPP P3_U2
P3_U3	MVPP P3_U3
P3_U4	MVPP P3_U4
P3_U5	MVPP P3_U5
P3_U6	MVPP P3_U6
P4_U1	MVPP P4_U1
P4_U2	MVPP P4_U2
P4_U3	MVPP P4_U3
P4_U4	MVPP P4_U4
P4_U5	MVPP P4_U5
P6A_U1	MVPP P6A_U1
P6A_U2	MVPP P6A_U2
P6A_U3	MVPP P6A_U3
P7_9_10_U1	MVPP P7/9/10_U1
P7_9_10_U2	MVPP P7/9/10_U2
P7_9_10_U3	MVPP P7/9/10_U3
P7_9_10_U4	MVPP P7/9/10_U4
P11A_U3	MVPP P11A_U3
P12_U1	MVPP P12_U1
P12_U2	MVPP P12_U2
P12_U3	MVPP P12_U3
P12_U4	MVPP P12_U4
P12_U5	MVPP P12_U5
P12_U6	MVPP P12_U6
P12_U7	MVPP P12_U7
P14A_U1	MVPP P14A_U1
P14A_U2	MVPP P14A_U2
P14A_U3	MVPP P14A_U3
P14A_U4	MVPP P14A_U4
P14A_U5	MVPP P14A_U5
P14A_U6	MVPP P14A_U6
P14A_U7	MVPP P14A_U7
P14A_U8	MVPP P14A_U8
P14A_U9	MVPP P14A_U9
P14A_U10	MVPP P14A_U10
P14A_U11	MVPP P14A_U11
P14A_U12	MVPP P14A_U12
P14A_U13	MVPP P14A_U13
P14A_U14	MVPP P14A_U14
P14A_U15	MVPP P14A_U15
P14A_U16	MVPP P14A_U16
P14A_U17	MVPP P14A_U17
P14A_U18	MVPP P14A_U18

Point of Reception 46		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
317	32	dBA
220	29	dBA
182	30	dBA
295	26	dBA
374	24	dBA
401	30	dBA
466	22	dBA
553	21	dBA
667	19	dBA
783	18	dBA
1018	21	dBA
989	22	dBA
980	16	dBA
989	16	dBA
1017	21	dBA
2657	0	dBA
2834	0	dBA
2615	0	dBA
3305	0	dBA
3303	0	dBA
3307	0	dBA
3318	0	dBA
3564	0	dBA
1813	16	dBA
1920	16	dBA
2076	0	dBA
1795	16	dBA
1993	15	dBA
2112	0	dBA
2250	0	dBA
2766	0	dBA
2691	0	dBA
2614	0	dBA
2536	0	dBA
2494	0	dBA
2434	0	dBA
2789	0	dBA
2704	0	dBA
2635	0	dBA
2549	0	dBA
2466	0	dBA
2382	0	dBA
2337	0	dBA
2271	0	dBA
2662	0	dBA
2559	0	dBA
2452	0	dBA
2356	0	dBA

Point of Reception 47		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1717	17	dBA
1850	10	dBA
1963	10	dBA
2218	0	dBA
2090	0	dBA
1958	15	dBA
1812	11	dBA
1686	11	dBA
1552	12	dBA
1430	13	dBA
2544	0	dBA
2425	0	dBA
2316	0	dBA
2202	0	dBA
2091	0	dBA
3244	0	dBA
3250	0	dBA
3076	0	dBA
4160	0	dBA
4093	0	dBA
4027	0	dBA
3969	0	dBA
3950	0	dBA
705	21	dBA
693	22	dBA
707	21	dBA
563	23	dBA
553	24	dBA
582	16	dBA
641	15	dBA
2463	0	dBA
2473	0	dBA
2490	0	dBA
2516	0	dBA
2534	0	dBA
2566	0	dBA
2273	0	dBA
2270	0	dBA
2273	0	dBA
2283	0	dBA
2301	0	dBA
2328	0	dBA
2346	0	dBA
2379	0	dBA
2089	0	dBA
2087	0	dBA
2095	0	dBA
2112	0	dBA

Point of Reception 48		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1732	0	dBA
1853	0	dBA
1958	0	dBA
2149	0	dBA
1972	0	dBA
1829	0	dBA
1672	10	dBA
1536	10	dBA
1389	11	dBA
1254	12	dBA
2339	0	dBA
2210	0	dBA
2091	0	dBA
1966	0	dBA
1842	0	dBA
2861	0	dBA
2852	0	dBA
2685	0	dBA
3788	0	dBA
3716	0	dBA
3644	0	dBA
3580	0	dBA
3542	0	dBA
295	27	dBA
272	29	dBA
311	32	dBA
170	29	dBA
154	33	dBA
243	30	dBA
369	33	dBA
2041	0	dBA
2053	0	dBA
2072	0	dBA
2102	0	dBA
2123	0	dBA
2160	0	dBA
1853	16	dBA
1849	16	dBA
1852	16	dBA
1863	16	dBA
1884	15	dBA
1915	0	dBA
1937	0	dBA
1976	0	dBA
1669	17	dBA
1666	17	dBA
1674	17	dBA
1694	16	dBA

Point of Reception 49		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2462	0	dBA
2585	0	dBA
2690	0	dBA
2877	0	dBA
2690	0	dBA
2543	0	dBA
2385	0	dBA
2247	0	dBA
2098	0	dBA
1960	10	dBA
3005	0	dBA
2871	0	dBA
2747	0	dBA
2614	0	dBA
2481	0	dBA
3217	0	dBA
3147	0	dBA
3015	0	dBA
4166	0	dBA
4076	0	dBA
3982	0	dBA
3898	0	dBA
3762	0	dBA
870	23	dBA
765	24	dBA
614	26	dBA
844	23	dBA
646	26	dBA
526	21	dBA
389	24	dBA
2144	0	dBA
2195	0	dBA
2256	0	dBA
2327	0	dBA
2371	0	dBA
2440	0	dBA
1883	16	dBA
1925	16	dBA
1965	15	dBA
2023	0	dBA
2087	0	dBA
2163	0	dBA
2209	0	dBA
2282	0	dBA
1712	17	dBA
1766	16	dBA
1835	16	dBA
1907	16	dBA

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID POR46			Point of Reception ID POR47			Point of Reception ID POR48			Point of Reception ID POR49		
Point of Reception Description House 46			Point of Reception Description House 47			Point of Reception Description House 48			Point of Reception Description House 49		
X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
370365	4909176	139.6	370771	4907280	130.5	370350	4907280	130.5	370307	4906548	126.3

Source ID ⁽¹⁾	Source Description	Point of Reception 46			Point of Reception 47			Point of Reception 48			Point of Reception 49		
		Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)	Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
P14A_U19	MVPP P14A_U19	2265	0	dBA	2138	0	dBA	1726	10	dBA	1987	10	dBA
P14A_U20	MVPP P14A_U20	2173	0	dBA	2176	0	dBA	1771	10	dBA	2080	0	dBA
P14A_U21	MVPP P14A_U21	2098	0	dBA	2216	0	dBA	1819	10	dBA	2165	0	dBA
P14B_U1	MVPP P14B_U1	2838	0	dBA	2661	0	dBA	2240	0	dBA	2368	0	dBA
P14B_U2	MVPP P14B_U2	2771	0	dBA	2676	0	dBA	2257	0	dBA	2420	0	dBA
P14B_U3	MVPP P14B_U3	2703	0	dBA	2698	0	dBA	2283	0	dBA	2482	0	dBA
P14B_U4	MVPP P14B_U4	2663	0	dBA	2715	0	dBA	2302	0	dBA	2523	0	dBA
P14B_U5	MVPP P14B_U5	2602	0	dBA	2746	0	dBA	2338	0	dBA	2592	0	dBA
P14B_U6	MVPP P14B_U6	2876	0	dBA	2872	0	dBA	2455	0	dBA	2628	0	dBA
P14B_U7	MVPP P14B_U7	2815	0	dBA	2897	0	dBA	2483	0	dBA	2690	0	dBA
P14B_U8	MVPP P14B_U8	2741	0	dBA	2937	0	dBA	2529	0	dBA	2776	0	dBA
P14C_U1	MVPP P14C_U1	3315	0	dBA	3126	0	dBA	2705	0	dBA	2761	0	dBA
P14C_U2	MVPP P14C_U2	3252	0	dBA	3133	0	dBA	2711	0	dBA	2799	0	dBA
P14C_U3	MVPP P14C_U3	3202	0	dBA	3143	0	dBA	2723	0	dBA	2836	0	dBA
P14C_U4	MVPP P14C_U4	3094	0	dBA	2995	0	dBA	2574	0	dBA	2688	0	dBA
P19_20_U1	MVPP P19/20_U1	5107	0	dBA	4817	0	dBA	4402	0	dBA	4288	0	dBA
P19_U1	MVPP P19_U1	5060	0	dBA	4819	0	dBA	4402	0	dBA	4310	0	dBA
P19_U2	MVPP P19_U2	5048	0	dBA	4850	0	dBA	4432	0	dBA	4357	0	dBA
P19_U3	MVPP P19_U3	5039	0	dBA	4886	0	dBA	4467	0	dBA	4410	0	dBA
P19_U4	MVPP P19_U4	5249	0	dBA	5022	0	dBA	4605	0	dBA	4511	0	dBA
P19_U5	MVPP P19_U5	5238	0	dBA	5056	0	dBA	4638	0	dBA	4561	0	dBA
P20_U1	MVPP P20_U1	5423	0	dBA	5278	0	dBA	4859	0	dBA	4790	0	dBA
P21_U1	MVPP P21_U1	6541	0	dBA	6023	0	dBA	5626	0	dBA	5375	0	dBA
P21_U2	MVPP P21_U2	6509	0	dBA	6036	0	dBA	5636	0	dBA	5403	0	dBA
P21_U3	MVPP P21_U3	6486	0	dBA	6052	0	dBA	5648	0	dBA	5432	0	dBA
P21_U4	MVPP P21_U4	6434	0	dBA	6067	0	dBA	5659	0	dBA	5471	0	dBA
P21_U5	MVPP P21_U5	6421	0	dBA	6083	0	dBA	5673	0	dBA	5497	0	dBA
P21_U6	MVPP P21_U6	6407	0	dBA	6103	0	dBA	5691	0	dBA	5529	0	dBA
P21_U7	MVPP P21_U7	6396	0	dBA	6124	0	dBA	5711	0	dBA	5562	0	dBA
P21_U8	MVPP P21_U8	6386	0	dBA	6147	0	dBA	5733	0	dBA	5597	0	dBA
P21_U9	MVPP P21_U9	6376	0	dBA	6180	0	dBA	5764	0	dBA	5645	0	dBA
P22_U1	MVPP P22_U1	6686	0	dBA	6184	0	dBA	5786	0	dBA	5538	0	dBA
P22_U2	MVPP P22_U2	6654	0	dBA	6199	0	dBA	5798	0	dBA	5569	0	dBA
P22_U3	MVPP P22_U3	6629	0	dBA	6234	0	dBA	5828	0	dBA	5624	0	dBA
P22_U4	MVPP P22_U4	6603	0	dBA	6261	0	dBA	5852	0	dBA	5670	0	dBA
P22_U5	MVPP P22_U5	6584	0	dBA	6288	0	dBA	5877	0	dBA	5713	0	dBA
P22_U6	MVPP P22_U6	6637	0	dBA	6400	0	dBA	5987	0	dBA	5845	0	dBA
P23_U1	MVPP P23_U1	6889	0	dBA	6398	0	dBA	6000	0	dBA	5753	0	dBA
P23_U2	MVPP P23_U2	6862	0	dBA	6411	0	dBA	6010	0	dBA	5779	0	dBA
P23_U3	MVPP P23_U3	6839	0	dBA	6428	0	dBA	6024	0	dBA	5809	0	dBA
P23_U4	MVPP P23_U4	6817	0	dBA	6447	0	dBA	6041	0	dBA	5842	0	dBA
P23_U5	MVPP P23_U5	6796	0	dBA	6473	0	dBA	6063	0	dBA	5884	0	dBA
P23_U6	MVPP P23_U6	6781	0	dBA	6498	0	dBA	6087	0	dBA	5923	0	dBA
P23_U7	MVPP P23_U7	6767	0	dBA	6525	0	dBA	6112	0	dBA	5965	0	dBA
P24_U1	MVPP P24_U1	6720	0	dBA	6104	0	dBA	5716	0	dBA	5421	0	dBA
P24_U2	MVPP P24_U2	6618	0	dBA	6032	0	dBA	5641	0	dBA	5361	0	dBA
P24_U3	MVPP P24_U3	6520	0	dBA	5880	0	dBA	5493	0	dBA	5193	0	dBA
TS	Transformer Station	992	34	dBA	2009	0	dBA	1761	0	dBA	2403	0	dBA
H1T	Hut 1 Transformer	3074	0	dBA	1545	-5	dBA	1285	1	dBA	721	4	dBA
H1I1	Hut 1 Inverter 1	3079	0	dBA	1549	7	dBA	1290	12	dBA	725	16	dBA
H1I2	Hut 1 Inverter 2	3078	0	dBA	1548	7	dBA	1289	12	dBA	723	16	dBA
H2T	Hut 2 Transformer	3119	0	dBA	1678	-6	dBA	1388	-1	dBA	882	2	dBA
H2I1	Hut 2 Inverter 1	3124	0	dBA	1682	5	dBA	1392	10	dBA	885	13	dBA
H2I2	Hut 2 Inverter 2	3123	0	dBA	1680	5	dBA	1391	10	dBA	883	13	dBA
H3T	Hut 3 Transformer	3174	0	dBA	1818	-7	dBA	1505	-2	dBA	1050	0	dBA
H3I1	Hut 3 Inverter 1	3179	0	dBA	1822	4	dBA	1509	9	dBA	1053	11	dBA
H3I2	Hut 3 Inverter 2	3178	0	dBA	1820	4	dBA	1508	9	dBA	1050	11	dBA

Appendix H: Point of Reception Noise Impact

Project: Sol-Luce Kingston Solar PV Energy Project
 Location: Kingston ON



Point of Reception ID
POR46

Point of Reception Description
 House 46

X	Y	Z
370365	4909176	139.6

Point of Reception ID
POR47

Point of Reception Description
 House 47

X	Y	Z
370771	4907280	130.5

Point of Reception ID
POR48

Point of Reception Description
 House 48

X	Y	Z
370350	4907280	130.5

Point of Reception ID
POR49

Point of Reception Description
 House 49

X	Y	Z
370307	4906548	126.3

Source ID ⁽¹⁾	Source Description
H4T	Hut 4 Transformer
H4I1	Hut 4 Inverter 1
H4I2	Hut 4 Inverter 2
H5T	Hut 5 Transformer
H5I1	Hut 5 Inverter 1
H5I2	Hut 5 Inverter 2
H6T	Hut 6 Transformer
H6I1	Hut 6 Inverter 1
H6I2	Hut 6 Inverter 2
H7T	Hut 7 Transformer
H7I1	Hut 7 Inverter 1
H7I2	Hut 7 Inverter 2
H8T	Hut 8 Transformer
H8I1	Hut 8 Inverter 1
H8I2	Hut 8 Inverter 2
H9T	Hut 9 Transformer
H9I1	Hut 9 Inverter 1
H9I2	Hut 9 Inverter 2
H10T	Hut 10 Transformer
H10I1	Hut 10 Inverter 1
H10I2	Hut 10 Inverter 2
ST	Substation Transformer
Sub	44-kV/10-MVA Substation transformer
Inv1	Sunny Central 1000MV inverter unit
Inv2	Sunny Central 1000MV inverter unit
Inv3	Sunny Central 1000MV inverter unit
Inv4	Sunny Central 1000MV inverter unit
Inv5	Sunny Central 1000MV inverter unit
Inv6	Sunny Central 1000MV inverter unit
Inv7	Sunny Central 1000MV inverter unit
Inv8	Sunny Central 1000MV inverter unit
Inv9	Sunny Central 1000MV inverter unit
Inv10	Sunny Central 1000MV inverter unit

Point of Reception 46		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
2761	0	dBA
2765	0	dBA
2765	0	dBA
2639	0	dBA
2644	0	dBA
2644	0	dBA
2818	0	dBA
2823	0	dBA
2822	0	dBA
2672	0	dBA
2676	0	dBA
2676	0	dBA
2710	0	dBA
2715	0	dBA
2715	0	dBA
2952	0	dBA
2957	0	dBA
2956	0	dBA
2933	0	dBA
2937	0	dBA
2937	0	dBA
3189	0	dBA
6883	0	dBA
7081	0	dBA
6989	0	dBA
7164	0	dBA
7074	0	dBA
7249	0	dBA
7161	0	dBA
7335	0	dBA
7249	0	dBA
7423	0	dBA
7340	0	dBA

Point of Reception 47		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1522	-4	dBA
1525	7	dBA
1523	7	dBA
1135	-3	dBA
1138	10	dBA
1136	8	dBA
1318	-3	dBA
1322	9	dBA
1320	9	dBA
1258	-2	dBA
1262	9	dBA
1260	9	dBA
1383	-3	dBA
1386	8	dBA
1384	8	dBA
1647	-5	dBA
1651	6	dBA
1649	6	dBA
1484	-4	dBA
1488	7	dBA
1486	7	dBA
1624	10	dBA
5677	0	dBA
5870	0	dBA
5752	0	dBA
5923	0	dBA
5808	0	dBA
5979	0	dBA
5866	0	dBA
6038	0	dBA
5928	0	dBA
6100	0	dBA
5992	0	dBA

Point of Reception 48		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
1163	1	dBA
1167	12	dBA
1165	12	dBA
843	6	dBA
847	18	dBA
846	18	dBA
1035	4	dBA
1040	15	dBA
1038	15	dBA
937	4	dBA
941	16	dBA
940	16	dBA
1041	3	dBA
1045	14	dBA
1043	14	dBA
1312	-1	dBA
1316	11	dBA
1314	11	dBA
1188	1	dBA
1193	12	dBA
1191	13	dBA
1383	15	dBA
5378	0	dBA
5573	0	dBA
5460	0	dBA
5633	0	dBA
5523	0	dBA
5696	0	dBA
5589	0	dBA
5762	0	dBA
5658	0	dBA
5831	0	dBA
5729	0	dBA

Point of Reception 49		
Distance (m)	Sound Level at PoR ⁽³⁾	Units ⁽⁴⁾ (dBA)
889	2	dBA
890	13	dBA
888	13	dBA
432	10	dBA
433	21	dBA
431	21	dBA
551	7	dBA
553	19	dBA
551	19	dBA
585	7	dBA
586	18	dBA
583	18	dBA
731	4	dBA
732	16	dBA
729	16	dBA
937	1	dBA
939	13	dBA
936	13	dBA
715	5	dBA
717	16	dBA
715	16	dBA
779	19	dBA
4843	0	dBA
5033	0	dBA
4912	0	dBA
5081	0	dBA
4963	0	dBA
5133	0	dBA
5016	0	dBA
5187	0	dBA
5074	0	dBA
5245	0	dBA
5135	0	dBA