

ASSESSMENT REPORT - Project: 14284.00

Grand Renewable Wind Farm Acoustic Assessment Report Amendment

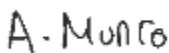
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Revision History

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EXECUTIVE SUMMARY

Aercoustics Engineering Limited has been retained by Grand Renewable Wind LP (“GRWLP”) to amend the acoustic assessment report for Grand Renewable Wind Farm. The purpose of this amendment is to revise the acoustical noise predictions of the Grand Renewable Wind Farm on the nearby receptors following the results of the transformer audit and the Emission Audits (E-Audits) of Turbines T10, T58, T60, and T63 of the facility.

During the E-Audits, the maximum sound power level of Turbine T60 and T63 were found to exceed the maximum levels specified in the acoustic assessment report by 0.7 dB and 1.0 dB respectively. During the transformer audit, the sound power level was found to exceed the level specified in the acoustic assessment report by 1.4 dB. In order to evaluate the compliance of the Grand Renewable Wind Farm with the Ontario Ministry of Environment, Conservation and Parks’ (“MECP”) sound level limits at all nearby receptors, the facility’s sound level was remodelled using the known maximum sound power levels for the site. This process is in accordance to Option 1 of Section E3.1 in the Compliance Protocol for Wind Turbine Noise (Published: April 2017).

The Facility operates under a Renewable Energy Approval (“REA”) #0300-8UQPKR, approved by the MECP on June 15th 2012 and amended on May 15th 2015. The REA was granted based on the previous acoustic assessment report, in its 2nd revision, dated May 29th 2012. The previous acoustic assessment report was prepared by Zephyr North Ltd.

The E-Audits of Turbines T10, T58, T60 and T63 at the Grand Renewable Wind Farm were conducted by Aercoustics on October 13th 2015, September 30th 2015, August 13th 2015, and August 5th & August 14th 2015 respectively. The transformer audit was conducted by Aercoustics on May 20th 2015.

The point of reception list used in this acoustic assessment amendment is based on the 2nd revision of the previous acoustic assessment report. Aercoustics utilized DataKustik’s CadnaA (Version 2018) and a new acoustical noise prediction model of the Grand Renewable Wind Farm and the surroundings. This amendment acoustical model uses modelling parameters conforming to Section 3.1.1 of the MECP’s Noise Guidelines for Wind Farms (Last Revised: May 2016). It should be noted that this amendment’s acoustical model treats the ground absorption differently than the previous model created by Zephyr North Ltd.; which can yield a small difference in predicted sound levels.

The audited turbine sound power levels had a worst-case impact of 0.7 dB increase in the sound levels at some non-participating receptors when compared with the results modelled with the pre-audit noise source sound power levels. The worst-case receptor had a predicted sound level of 40.0 dBA, meeting the lowest MECP sound level limits of 40 dBA.

The Grand Renewable Wind Farm remains in compliance with the MECP sound level limits at all receptors.

1 Introduction

Aercoustics Engineering Limited (“Aercoustics”) was retained by Grand Renewable Wind LP (“GRWLP”) to amend the acoustic assessment report for the Grand Renewable Wind Farm.

The purpose of this amendment is to revise the acoustical noise predictions of the Grand Renewable Wind Farm on the nearby receptors following the results of the transformer Audit and Emission Audits (E-Audits) of Turbines T10, T58, T60 and T63 of the facility.

During the E-Audits, the maximum sound power level of Turbine T60 and T63 were found to exceed the maximum sound power level specified in the acoustic assessment report by 0.7 and 1.0 dB respectively. During the transformer audit, the measured sound power level was found to exceed the level specified in the acoustic assessment report by 1.4 dB.

Pursuing option 1 in E-Audit review process, as outlined in Section 3.1 of the Ontario Ministry of the Environment, Conservation and Parks’ (“MECP”) Compliance Protocol for Wind Turbine Noise (Published: April 2017) [1], the Grand Renewable Wind Farm is reassessed with the E-Audit sound power level for compliance. A new model was created in this amendment with parameters conforming to Section 3.1.1 of the Noise Guidelines for Wind Farms (Last Revised: May 2016) [2].

The Grand Renewable Wind Farm operates under a Renewable Energy Approval (“REA”) #0300-8UQPKR, issued by the MECP on June 15th 2012 and amended on May 15th 2015. The REA was granted based on the previous acoustic assessment report, dated May 29th 2012. The previous acoustic assessment report was prepared by Zephyr North Ltd [3].

The Emission Audits of wind turbines T10, T58, T60 and T63 at the Grand Renewable Wind Farm were conducted by Aercoustics on October 13th 2015, September 30th 2016, August 13th 2015, and August 5th & August 14th 2015 respectively. The transformer audit was conducted by Aercoustics on May 20th 2015.

The E-audits were conducted as per IEC standard 61400-11, “Wind turbine generator systems – Part 11: Acoustic noise measurement techniques”. All Emission Audits were conducted under Edition 3.0 of the Standard (Released 2012-11).

A site map showing the site layout and the location of the nearby receptors is provided in Appendix A.

2 Description of the Facility

The Grand Renewable Wind Farm is a wind power project located between the town of Fisherville and Dunnville in Haldimand Country, Ontario. The facility is located on the north shore of Lake Erie, with surrounding areas consisting of farmlands, woodlots with sparsely placed farm buildings and detached dwellings. Nearby noise sensitive receptors consist of Individual residences.

The Grand Renewable Wind Farm is part of the Grand Renewable Energy Park, which consist of a wind farm component of sixty-seven (67) wind turbines and a solar park component of one hundred (100) solar panel array units.

The Grand Renewable Wind Farm operates continuously for 24 hours each day. There is a single substation associated with this project, servicing both the Grand Renewable Wind Farm as well as the Grand Renewable Solar Park. Within the substation, there is one (1) 166 MVA transformer servicing the wind farm component and one (1) 108 MVA transformer servicing the solar park component. The substation is located on the property of the Solar Farm.

The Grand Renewable Wind Farm is comprised of sixty-seven (67) Siemens derated SWT-2.3-101 Wind Turbines; with sixty-five (65) units derated to a maximum power of 2221 kW and two (2) units derated to a maximum power of 2126 kW.

In the manufacturer's documentation from Siemens, the 2221 kW and 2126 kW turbines are denoted as "Siemens SWT-2.3-101, Max Power 2221 kW" and "Siemens SWT-2.3-101, Max Power 2126 kW" respectively. In the 2nd revision of the previous acoustic assessment report and the REA documentation, the 2221 kW and 2126 kW turbines are noted as "Siemens SWT-2.221-101" and "Siemens SWT-2.126-101" respectively.

This report refers to the turbine models by the convention of the REA and the previous acoustic assessment report.

A summary of the wind turbine specifications can be found in Table 1. Further details of the wind turbine's acoustical specifications, as provided by the manufacturer are provided in Appendix B.

Table 1: Siemens SWT-2.3-101 Specification Summary

Attributes	Siemens SWT-2.126-101	Siemens SWT-2.221-101
Wind Turbine Design Type	Horizontal Axis, 3-bladed, upwind	Horizontal Axis, 3-bladed, upwind
Rated Power	2126 kW	2221 kW
Hub Height	99.5 m	99.5 m
Rotor Diameter	101 m	101 m
Typical Rotor Speed of Revolution	6 to 16 rpm, variable speed	6 to 16 rpm, variable speed
Air Brake	Primary: Aerodynamic Braking by full-span pitching/hydraulic activation Secondary: Two calipers hydraulic disc brakes at high-speed shaft	Primary: Aerodynamic Braking by full-span pitching/hydraulic activation Secondary: Two calipers hydraulic disc brakes at high-speed shaft
Cut-in Wind Speed	4 m/s	4 m/s
Rated Wind Speed	12-13 m/s	12-13 m/s
Cut-out Wind Speed	25 m/s	25 m/s
Generator Type	Asynchronous with Squirrel Cage Rotor, without slip rings, variable Speed	Asynchronous with Squirrel Cage Rotor, without slip rings, variable Speed
Power Regulation	Pitch regulation with variable speed	Pitch regulation with variable speed
Gearbox	3 Stage Planetary/Helical	3 Stage Planetary/Helical
Yaw System	Active, externally geared, passive friction brake	Active, externally geared, passive friction brake

The locations of the wind turbines are listed in Appendix A. Further details regarding the sound power levels are provided in Section 3 of this report.

2.1 Adjacent Facilities

Adjacent to the Grand Renewable Wind Farm are several facilities which contributes to the environmental noise of noise sensitive receptors in the surrounding area.

The Summerhaven Wind Energy Centre (“SWEC”), operated by NextEra Energy Canada ULC, is located to the west of the Grand Renewable Wind Farm. SWEC consist of fifty-eight (58) Siemens SWT-2.221-101 Turbines and one power substation.

The Byng Wind Project (“BWP”), was under development at the time of the last acoustic assessment report by International Power Canada (IPC; now Engie NA). It was proposed to be located to the southwest of the Grand Renewable Wind Farm.

BWP was proposed to have six (6) GE Energy 1.5 MW wind turbines and one power switching station. A Certificate of Approval-Air was issued to the project by the MECP on

July 12, 2009: number 7066-7SMP8D. The approval was later amended on April 27, 2010. It is understood that the Certificate of Approval-Air for the BWP was revoked. Therefore, it is not considered in the current assessment.

The Grand Renewable Solar Park, mentioned previous to be part of the Grand Renewable Energy Park, consist of one hundred (100) 1.0 MW solar panel array units. Other equipment associated with the Solar Park which may be significant noise sources includes the aforementioned 108 MVA transformer, the medium voltage (MV) stations, the distributor static compensator inverter system and the Line Reactor units.

The power substation for the Grand Renewable Energy Park, which houses the transformer servicing the wind farm component and the transformer for the solar park component, is located within the Property of the Solar Park.

Further details regarding the equipment specifications at each of the SWEC and BWP facilities can be found in the 2nd revision of the previous acoustic assessment report. The Grand Renewable Solar Park equipment specifications are detailed in the Grand Renewable Solar Park Project- Revised Noise Study Report, published on October 2014, by Dillon Consulting Limited [4].

3 Noise Source Summary

There are two types of noise sources at the Grand Renewable Wind Farm which could impact the sound level observed at nearby noise sensitive receptors. They originate from the power substation and the sixty-seven (67) Siemens SWT-2.3-101 wind turbines which were previously discussed in Section 2.

As per Section 6.4.4 of the 2016 Noise Guidelines for Wind Farms [1], additional noise sources from the adjacent facilities are considered in the noise models in order to evaluate the cumulative impact of all wind farms, approved or planned, on the subject receptors.

For the amendment assessment model, the noise impact of SWEC is assessed. The noise impact of SWEC was also assessed in the previous acoustic assessment. The contributions of BWP was assessed in the previous acoustic assessment but is excluded from the amendment assessment as the project is now defunct.

The Grand Renewable Solar Park, which is part of the Grand Renewable Energy Park Project, is included in the acoustic assessment.

The current section discusses the noise sources from the Grand Renewable Wind Farm which are used in the acoustic assessment. The noise source summary for the sources of the adjacent facilities can be found in Appendix D. The noise sources for the adjacent facilities are not known to have changed since the previous acoustic assessment report, and is therefore modelled under the same parameters.

3.1 Sound Power Levels from the previous Acoustic Assessment Reports

The sound power level spectra of the wind turbines, used in the 2nd revision of the previous acoustic assessment report [3], are shown in Table 2 for the Siemens SWT-2.216-101 wind turbine and in Table 3 for the Siemens SWT-2.221-101 wind turbine. The levels shown in Table 2 and Table 3 were used the assessment and approval of the REA for the Grand Renewable Wind Farm.

Table 2 Acoustic Emission Summary for Siemens SWT-2.126-101 Turbine (previous AAR)

Make and Model: Siemens SWT-2.126-101

Electrical Rating: 2126 kW

Hub Height (m): 99.5m

Wind shear coefficient, as per Section 6.2.3: 0.45

	Octave Band Sound Power Level (dB)									
	Manufacturer's Sound Power Levels					Adjusted Sound Power Levels				
Wind Speed ¹ (m/s)	6	7	8	9	10	6	7	8	9	10
Frequency ² (Hz)										
31.5	-	-	-	-	-	-	-	-	-	-
63	108.8	-	108.4	-	-	108.4	108.4	108.4	108.4	108.4
125	109.7	-	108.6	-	-	108.6	108.6	108.6	108.6	108.6
250	104.7	-	103.4	-	-	103.4	103.4	103.4	103.4	103.4
500	100.5	-	101.7	-	-	101.7	101.7	101.7	101.7	101.7
1000	97.4	-	99.1	-	-	91.1	99.1	99.1	99.1	99.1
2000	94.8	-	94.3	-	-	94.3	94.3	94.3	94.3	94.3
4000	86.9	-	88.0	-	-	88.0	88.0	88.0	88.0	88.0
8000	84.6	-	86.2	-	-	86.2	86.2	86.2	86.2	86.2
Overall A-weighted (dBA)	103.5	-	104.0	-	-	104.0	104.0	104.0	104.0	104.0

¹ At 10 m reference height.

² Octave Band Frequency. For projects that are subject to the CAN/CSA-C61400-11-07 standard inclusion of the 31.5 Hz data is optional.

Table 3 Acoustic Emission Summary for Siemens SWT-2.221-101 Turbine (previous AAR)

Make and Model: Siemens SWT-2.221-101

Electrical Rating: 2221 kW

Hub Height (m): 99.5m

Wind shear coefficient, as per Section 6.2.3: 0.45

	Octave Band Sound Power Level (dB)									
	Manufacturer's Sound Power Levels					Adjusted Sound Power Levels				
Wind Speed ³ (m/s)	6	7	8	9	10	6	7	8	9	10
Frequency ⁴ (Hz)										
31.5	-	-	-	-	-	-	-	-	-	-
63	108.3	-	108.6	-	-	108.6	108.6	108.6	108.6	108.6
125	109.4	-	109.1	-	-	109.1	109.1	109.1	109.1	109.1
250	105.1	-	104.6	-	-	104.6	104.6	104.6	104.6	104.6
500	102.2	-	103.0	-	-	103.0	103.0	103.0	103.0	103.0
1000	99.1	-	100.1	-	-	100.1	100.1	100.1	100.1	100.1
2000	95.4	-	95.3	-	-	95.3	95.3	95.3	95.3	95.3
4000	87.8	-	88.6	-	-	88.6	88.6	88.6	88.6	88.6
8000	85.5	-	86.8	-	-	86.8	86.8	86.8	86.8	86.8
Overall A-weighted (dBA)	104.5	-	105.0	-	-	105.0	105.0	105.0	105.0	105.0

The sound power levels for 10 m / at ground level ("10m agl") wind speed of 8 m/s were used to predict all sound levels in all wind speed cases. No tonality penalty had been applied to the turbines of the previous assessment.

The sound power level spectra of the transformer, used in the 2nd revision of the previous acoustic assessment report, are shown in Table 4.

³ At 10 m reference height.

⁴ Octave Band Frequency. For projects that are subject to the CAN/CSA-C61400-11-07 standard inclusion of the 31.5 Hz data is optional.

Table 4 Transformer Acoustic Emission Summary (previous AAR)

Frequency (Hz)	Source Sound Power level (dBA)	Tonal Penalty (dB)	Net Source Sound Power Level (dBA)
63	76.5	+5.0	68.5
125	75.6	+5.0	80.6
250	78.1	+5.0	83.1
500	83.5	+5.0	88.5
1000	80.7	+5.0	85.7
2000	76.9	+5.0	81.9
4000	71.7	+5.0	76.7
8000	62.6	+5.0	67.6
Broadband (dBA)	85.0	-	90.0

It should be noted that at the time of the previous acoustic assessment, the transformer for the Grand Renewable Wind Farm had not been selected. A typical transformer sound power level spectrum was used in the previous acoustic assessment. A tonal penalty of 5 dB has been applied in the previous assessment.

3.2 Sound Power Levels from the Acoustic Audits

3.2.1 Emission Audit of the Wind Turbines

Aeroustics was retained to conduct E-Audits to verify the noise emission of four (4) turbines at the Grand Renewable Wind Farm.

The purpose of the E-Audits was to confirm whether equipment was operating as per manufacturer's specifications and satisfies the sound power level specified in Appendix B of the REA. The E-Audit reports have been prepared to facilitate submission to the MECP, in compliance with acoustic audit conditions outlined in the facility's REA (Specifically, Section F- Wind Turbine Acoustic Audit – Emission).

The facility wind turbines were audited utilizing International Standard IEC 61400-11 (Edition 3.0, released 2012-11), "Wind Turbine generator systems – Part 11: Acoustic noise measurement techniques". Table 5 shows information regarding the E-Audited wind turbines and report identification information.

Table 5 Summary of Wind Turbine Noise Emission Audit

Turbine ID	Turbine Model	Report ID
T10	Siemens SWT-2.126-101	14284.00.T10.RP4 [1]
T58	Siemens SWT-2.126-101	14284.00.T058.RP1 [2]
T60	Siemens SWT-2.221-101	14284.00.T60.RP5 [3]
T63	Siemens SWT-2.221-101	14284.00.T063.RP5 [4]

Results of the acoustic audit are summarized in Table 6, Table 7 and Table 8. Detailed measurement reports for the four emission audited wind turbines have been submitted to the MECP. The measurement reports outline the apparent sound power level, measurement uncertainties and tonal audibilities.

Table 6 Summary of Wind Turbine Noise Emission Results – Sound Power

Description		T10	T58	T60	T63
Turbine Model		SWT-2.126-101	SWT-2.126-101	SWT-2.221-101	SWT-2.221-101
Manufacturer's Performance Specification		104.0 + 1.5 dB	104.0 + 1.5 dB	105.0 + 1.5 dB	105.0 + 1.5 dB
Approval Maximum Sound Power Level (dBA)		104.0 + 0.5 dB	104.0 + 0.5 dB	105.0 + 0.5 dB	105.0 + 0.5 dB
Max PWL Audit Result	Measured	104.5	104.4	105.7	106.0
	Uncertainty	0.8	0.8	0.7	0.7

Table 7 E-Audit Sound Power Levels (A-weighted at each wind speed)

Turbine ID	Wind Speed (m/s)	Octave Band (Hz), dBA									Overall dBA
		31.5	63	125	250	500	1k	2k	4k	8k	
T10	7.5	70.9	82.5	88.7	91.4	94.9	96.8	95.7	91.2	78.6	101.8
	8	73.1	83.8	90.3	93.1	97.0	98.8	97.8	93.0	79.3	103.8
	8.5	74.2	84.6	91.2	93.6	97.6	99.4	98.4	93.6	80.1	104.4
	9	74.0	83.8	91.3	93.4	97.8	99.3	98.3	93.6	80.9	104.4
	9.5	73.4	84.1	91.6	93.2	97.7	99.2	98.4	93.6	80.8	104.4
	10	73.0	83.8	91.8	93.0	97.8	99.2	98.4	93.5	80.7	104.4
	10.5	73.8	84.1	91.8	92.5*	97.6	99.6	98.7	93.9	81.4	104.5
	11	73.3	84.0	91.7	92.7	97.7	99.5	98.6	93.8	81.3	104.5
	11.5	73.0	83.9	91.8	92.6	97.6	99.5	98.8	93.7	79.9	104.5
	12	73.4	84.4	91.5	92.8	97.2	99.4	98.7	93.7	80.8	104.4
	12.5	73.4	84.4	91.4	93.0	97.7	99.4	98.7	93.6	81.0	104.5
T58	7.5	72.1	82.9	89.9	93.0	95.2	96.1	95.7	91.4	87.2	102.1
	8	72.7	83.7	90.8	94.0	96.6	97.4	97.1	92.9	87.1	103.3
	8.5	73.5	84.5	91.8	94.6	97.6	98.3	98.0	93.9	88.1	104.2
	9	73.0	84.3	91.9	94.2	97.9	98.4	98.1	93.7	85.7	104.3
	9.5	72.6	84.2	92.2	93.9	98.0	98.3	98.0	93.7	86.1	104.2
	10	72.6	84.0	92.3	93.7	98.1	98.2	98.0	93.8	84.0	104.2
	10.5	72.4	84.2	92.4	93.6	98.2	98.2	98.0	94.0	83.2	104.2
	11	73.0	83.6	92.6	93.9	98.0	98.4	98.2	93.6	82.5	104.3
	11.5	72.2	83.2	92.4	93.9	98.1	98.5	98.2	94.2	84.0	104.4
	12	72.5	83.1	92.2	93.4	98.1	98.5	98.3	93.9	83.5	104.3
	12.5	73.6	83.9	92.6	93.8	97.7	98.4	98.3	94.1	85.5	104.3
T60	7.5	72.4	82.7	90.5	92.9	95.2	96.3	95.7	92.9	82.5	102.2
	8	74.7	84.8	91.6	94.5	97.1	98.0	97.4	94.6	84.3	103.9
	8.5	75.6	86.0	92.6	95.6	98.4	99.1	98.5	95.7	85.5	105.1
	9	76.4	86.8	92.7	95.6	98.8	99.6	99.0	96.2	86.1	105.5
	9.5	76.1	86.6	92.6	95.7	99.1	99.9	99.2	96.4	86.4	105.7
	10	75.7	86.2	92.6	95.3	98.7	99.8	99.2	96.4	86.5	105.5
	10.5	75.9	86.2	92.5	94.9	98.7	100.0	99.4	96.6	86.5	105.6
	11	75.5	85.9	92.3	94.8	98.7	100.0	99.5	96.7	86.7	105.6
	11.5	75.9	85.9	92.3	94.8	98.5	100.1	99.6	96.7	86.7	105.7
	12	75.6	85.7	92.0	94.3	98.4	100.0	99.6	96.7	86.6	105.5
	12.5	76.1	86.1	92.5	94.6	98.4	100.0	99.6	96.7	86.8	105.6
T63	7.5	71.3	82.8	89.6	92.7	94.8	97.0	96.3	93.7	82.6	102.5
	8	71.9	83.7	90.4	93.9	96.2	98.2	97.5	94.6	84.0	103.7
	8.5	74.7	85.4	91.9	95.1	97.6	99.6	98.9	95.6	85.9	105.0
	9	76.1	86.4	92.6	95.8	98.3	100.0	99.3	95.9	86.8	105.5
	9.5	77.0	87.2	93.1	96.1	97.9	100.0	99.5	96.2	87.0	105.6
	10	77.2	87.0	93.2	96.0	98.1	100.3	99.7	96.4	87.2	105.8
	10.5	77.6	87.4	93.3	96.2	97.7	100.4	99.9	96.5	87.3	105.9
	11	77.7	87.7	93.5	96.0	97.9	100.5	100.0	96.6	87.5	106.0
	11.5	77.2	87.3	93.2	95.9	97.7	100.4	100.1	96.7	87.6	105.9
	12	78.3	87.5	93.2	95.9	97.9	100.4	100.0	96.7	87.6	105.9
	12.5	78.0	87.4	93.1	95.6	97.8	100.4	100.0	96.6	87.5	105.8

Note:

- 1.) Octave values obtained from 1/3 Octave Sound Power Level values, as shown in Table C.01 from the emission test reports of each respective tested turbine.

Table 8 E-Audit Tonality Assessment Summary

Turbine ID	Wind Speed (m/s)	Frequency (Hz)	Tonality, ΔL_{in} (dB)	Tonal audibility, ΔL_a (dB)
T10	7.5	420	-5.2	-3.0
	8	428	-3.1	-0.9
	8.5	474	-2.4	-0.2
	9	473	-1.0	1.2
	9.5	476	-0.1	2.1
	10	115	-4.4	-2.4
		475	0.6	2.9
	10.5	117	-4.1	-2.1
		485	0.9	3.1
	11	484	1.0	3.3
	11.5	118	-4.2	-2.2
		488	0.3	2.6
T58	12	493	0.3	2.6
	12.5	492	1.6	3.8
	8	427	-4.4	-2.2
	8.5	474	-3.7	-1.4
	9	475	-2.1	0.2
	9.5	115	-4.9	-2.9
		476	0.1	2.3
	10	116	-4.0	-2.0
		477	1.3	3.6
	10.5	117	-2.9	-0.9
		479	1.7	4.0
	11	117	-3.8	-1.8
		485	1.0	3.3
	11.5	118	-3.2	-1.2
		489	1.2	3.4
	12	118	-4.1	-2.1
		488	1.8	4.1
	12.5	118	-3.7	-1.7
		489	1.6	3.9
T60	8	475	-4.7	-2.4
	8.5	486	-3.7	-1.4
	9	488	-3.4	-1.1
	9.5	496	-2.8	-0.5
	10	498	-2.9	-0.6
	10.5	504	-2.1	0.2
	11	505	-2.6	-0.3
	11.5	514	-2.3	0.0
	12	516	-2.1	0.2
	12.5	521	-1.0	1.3
T63	7.5	422	-5.2	-3.0
	8	426	-1.7	0.6
	9	473	-4.3	-2.0
	8.5	484	-3.2	-1.0
	9	492	-0.1	2.2
	9.5	492	-2.8	-0.5
	10	493	-1.1	1.2
	10.5	500	-4.3	-2.0
	11	518	-0.6	1.7
	11.5	522	-0.3	2.1
	12	519	-1.6	0.7
	12.5	525	-1.5	0.9

The maximum sound power level observed for wind turbines T10 and T58 during the E-Audit was found to be within 0.5 dB of the sound power level specified in the 2nd revision of the previous acoustic assessment report. The sound power levels for these turbines are in compliance of the MECP requirements as per Section E3.1 of the MECP Compliance Protocol for Wind Turbine Noise [1].

The maximum measured sound power level of wind turbine T63 was found to exceed the sound power level specified in the 2nd revision of the previous acoustic assessment report by 1.0 dB. The maximum sound power level during the E-Audit for T63 was observed when the hub height wind speed was 11 m/s.

During the E-Audit of T60, the maximum measured sound power level of wind turbine T60 was found to exceed the sound power level specified in the 2nd revision of the previous acoustic assessment report by 0.7 dB. The maximum sound power level during the E-Audit for T60 was observed when the hub height wind speed was 9.5 m/s.

3.2.2 Transformer Audit

Aercoustics has also conducted an acoustic audit on the transformers servicing the Grand renewable Wind Farm. The audit was conducted as per IEEE standard C57.12.90. Details of the audit can be found in a report issued by Aercoustics dated June 4th 2018 [11]. Table 9 shows a summary of the audit results of the 166 MVA transformer.

Table 9- Summary of Grand Renewable Wind Farm Transformer Audit Results

Frequency (Hz)	Source Sound Power level (dBA)	Tonal Penalty (dB)	Net Source Sound Power Level (dBA)
31.5	83.7	+5.0	88.7
63	83.7	+5.0	88.7
125	90.1	+5.0	95.1
250	86.1	+5.0	91.1
500	87.9	+5.0	92.9
1000	76.9	+5.0	81.9
2000	66.5	+5.0	71.5
4000	62.7	+5.0	67.7
8000	60.8	+5.0	65.8
Broadband (dBA)	86.4	-	91.4

The overall sound power level was found to be 1.4 dB greater than the levels from the previous acoustic assessment, shown in Table 4.

3.3 Sound Power Levels for the Revision

From the Emission Audit results of Siemens SWT-2.221-101 turbines, it was found that both T60 and T63 exceeded the approval sound power level as stated in the previous

acoustic assessment report. T63 was found to exceed the approval levels by 1.0 dB while T60 was found to exceed by 0.7 dB.

Since there is a greater exceedance with T63, for the reassessment, all Siemens SWT-2.221-101 turbines except for T60 are modelled with maximum sound power levels observed for Turbine T63; representing the worst-case condition when the hub-height wind speed of 11 m/s is observed for any given assessed wind speeds.

As turbine specific data was available for Turbine T60, the maximum sound power levels observed for T60 was used; representing the worst-case condition when the hub-height wind speed of 9.5 m/s is observed for any given assessed wind speeds.

The sound power levels for the Siemens SWT-2.221-101 turbine for the Grand Renewable Wind Farm used in the amendment acoustic assessment are shown in Table 10 and Table 11.

Table 10: Sound Power Levels used in noise model for Siemens SWT-2.221-101 (all except T60)

	31.5 Hz (dB)	63 Hz (dB)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Total PWL (dBA)
6 m/s	117.1	113.9	109.6	104.6	101.1	100.5	98.8	95.6	88.6	106.0
7 m/s	117.1	113.9	109.6	104.6	101.1	100.5	98.8	95.6	88.6	106.0
8 m/s	117.1	113.9	109.6	104.6	101.1	100.5	98.8	95.6	88.6	106.0
9 m/s	117.1	113.9	109.6	104.6	101.1	100.5	98.8	95.6	88.6	106.0
10 m/s	117.1	113.9	109.6	104.6	101.1	100.5	98.8	95.6	88.6	106.0

Table 11: Sound Power Levels used in noise model for T60

	31.5 Hz (dB)	63 Hz (dB)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Total PWL (dBA)
6 m/s	111.0	112.8	108.7	104.3	102.3	99.9	98.0	95.4	87.5	105.7
7 m/s	111.0	112.8	108.7	104.3	102.3	99.9	98.0	95.4	87.5	105.7
8 m/s	111.0	112.8	108.7	104.3	102.3	99.9	98.0	95.4	87.5	105.7
9 m/s	111.0	112.8	108.7	104.3	102.3	99.9	98.0	95.4	87.5	105.7
10 m/s	111.0	112.8	108.7	104.3	102.3	99.9	98.0	95.4	87.5	105.7

For Siemens SWT-2.126-101 turbine, the observed sound power levels from the emission audits were in compliance with the REA. However, to be conservative, the maximum sound power level observed in the emission audit, seen at turbine T10 with a hub height wind speed of 12.5 m/s, is used in the amendment assessment. The sound power levels are shown in Table 12.

Table 12 Sound Power Level used in noise model for Siemens SWT-2.126-101

	31.5 Hz (dB)	64 Hz (dB)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Total PWL (dBA)
6 m/s	112.8	110.6	107.5	101.6	100.9	99.4	97.5	92.6	82.1	104.5
7 m/s	112.8	110.6	107.5	101.6	100.9	99.4	97.5	92.6	82.1	104.5
8 m/s	112.8	110.6	107.5	101.6	100.9	99.4	97.5	92.6	82.1	104.5
9 m/s	112.8	110.6	107.5	101.6	100.9	99.4	97.5	92.6	82.1	104.5
10 m/s	112.8	110.6	107.5	101.6	100.9	99.4	97.5	92.6	82.1	104.5

The 166 MVA transformer was modelled with measured sound power levels from the acoustic audits conducted by Aercoustics. The sound power levels were shown previously in Table 9.

The adjacent facility noise sources are modelled as described in Appendix D.

4 Points of Reception List

As part of the previous acoustic assessment, the area surrounding the Grand Renewable Wind Farm was surveyed to identify all noise sensitive receptors. This current amendment considers the same receptor list found in the 2nd revision of the previous acoustic assessment report, as provided to Aercoustics by GRWLP.

In total, there are 1231 receptors identified with 1500 m of the Grand Renewable Wind Farm. Non-participating noise sensitive receptors account for 903 of the total number of receptors, while vacant lot receptors account for 328 of the total number of receptors. Additionally, there are 79 participating receptors associated with the Grand Renewable Wind Farm. The list of receptors can be found in Appendix C.

5 Noise Assessment Criteria

The sound level limit requirements for the Grand Renewable Wind Farm have been established in accordance with the 2016 Noise guidelines for Wind Farms [1] from the MECP. The sound level limits for Class 1, 2 and 3 areas vary with integer wind speed from 6 m/s to 10 m/s and can be seen in Table 13.

Table 13: MECP Sound Level Limits for Class 1, 2 & 3

10m height Wind Speed (m/s)	≤6	7	8	9	≥10
Wind Turbine Sound Level Limits Class 1 & 2 Areas (dBA)	45.0	45.0	45.0	49.0	51.0
Wind Turbine Sound Level Limit Class 3 Area (dBA)	40.0	43.0	45.0	49.0	51.0

All receptors have been designated to be Class 3 (rural).

As such the sound level limits for a Class 3 area in Table 13 applies to all non-participating receptors and vacant lot receptors (should the vacant lot receptors becomes in use for noise sensitive activities). The sound level limits in Table 13 does not apply to participating receptors.

6 Noise Impact Assessment

This noise impact assessment is conducted in accordance to Section 3.1.1 of the 2016 Noise Guidelines for Wind Farms [1], which covers facilities that were approved under the application of the 2008 Noise Guidelines for Wind Farms.

The calculations for the new acoustical noise prediction model were performed using DataKustik's CadnaA environmental noise prediction software. The calculations are based on established prediction methods including the standard ISO 9613-2: "A Standard for Outdoor Noise Propagation".

6.1 Modeling Parameters

Noise was predicted based on the following noise modelling parameters:

- Temperature = 10°C
- Humidity = 70%
- G = 0.7 global ground attenuation factor.
- Sound Level Limit = 40.0 dBA at 6m/s wind at 10m agl, i.e. precision to 1/10th of decibel
- Grand Renewable Wind Farm Turbines noise sources, as shown in Table 10 and Table 11
- Transformer for the Grand Renewable Wind Farm, as shown in Table 9
- Grand Renewable Solar Farm as per description in the Revised Noise Study Report issued in October 2014 [4], summarized in Appendix D, with sources as shown in Appendix D, Table D.2
- SWEC Wind Turbines as outlined in Appendix D, Table D.4
- BWP was not considered as it is defunct and not constructed
- Analysis to include all turbines from all wind farms (regardless if they are from Grand Renewable) within 5 km of a receptor for those receptors within 1.5km of a Grand Renewable Wind Farm Turbine.
- Three storey dwelling = 7.5m receptor height at the centre of dwelling
- Two storey dwelling = 4.5m receptor height at the centre of dwelling
- Single storey dwelling = 1.5m receptor height at the centre of dwelling
- Vacant lot = 4.5m receptor height
- Topography of the area was considered in the assessment

It should be noted that this amendment's acoustical model treats the ground absorption differently than the previous model prepared by Zephyr North Ltd. In the previous model, different ground factors were used for the Source, Middle and Receiver sections between a turbine and receptor. For the amendment acoustical model, a global ground factor was used for the entire area.

While both methods are allowed under Section 3.1.1 of the 2016 Noise Guideline for Wind Farms [1], it can yield a small difference in predicted sound levels.

For a direct comparison, the levels at the receptors were also calculated with the amendment acoustic model using the pre-audit sound power level data. The difference in levels calculated from the same model can therefore be attributed to the difference in source sound power level and not the calculation method.

For the pre-audit levels, the following noise sources were used:

- Grand Renewable Wind Farm Turbines noise source, as shown in Table 2 and Table 3.
- Transformer for the Grand Renewable Wind Farm, as shown in Table 4
- Grand Renewable Solar Farm sources as per description in the Revised Noise Study Report issued in October 2014 [4], summarized in Appendix D, with sources as shown in Appendix D, Table D.2
- SWEC Wind Turbines as outlined in Appendix D, with sources as shown in Table D.4
- BWP was not considered as it is defunct and not constructed

For reference, the results from the previous model prepared by Zephyr North Ltd. are included in the acoustic assessment tables in Appendix C.

6.2 Modeling Results

The highest sound level for each receptor, which represents the worst-case prediction, is outlined in the acoustic assessment summary table. A sound level comparison at all receptor, under the amendment acoustical model, between the pre-audit sound power levels and the audited sound power levels can be found in the acoustic assessment tables in Appendix C. The audited sound power level had a worst-case impact of 0.7 dB increase in the sound levels of some non-participating receptors.

The worst case non-participating receptor was found to be V3276; with a predicted sound level of 40.0 dBA. This value meets the lowest MECP sound level limits at 6 m/s wind speed of 40 dBA. The worst-case predicted sound levels at all other receptors are predicted to be below the MECP sound level limits for Class 3 (rural) areas.

The complete acoustic assessment summary tables can be found in Table C.02 to C.04 in Appendix C. An illustration of the noise impact contours at a height of 4.5 m can be found in Figure C.01.

The sample calculations of sound levels at the receptor R393 can be found in Appendix E.

7 Conclusion

Aercoustics Engineering Limited (“Aercoustics”) has been retained by Grand Renewable Wind Limited Partnership (“GRWLP”) to amend the acoustic assessment report for the Grand Renewable Wind Farm.

The purpose of this amendment is to revise the acoustical noise predictions of the Grand Renewable Wind Farm on the nearby receptors following the results of the Emission Audits (“E-Audits”) of four (4) wind turbines at the facility, in accordance to Option 1 of Section E3.1 in the Compliance Protocol for Wind Turbine Noise (Dated: April 2017) [1].

Aercoustics utilized the new acoustical noise prediction model to predict the noise impact at all nearby receptors, based on the measured sound power level data obtained in the Emission Audits and wind turbine sound power level specifications provided by the manufacturer.

The audited sound power level had a worst case impact of 0.7 dB increase in the sound levels of some non-participating receptors when compared with the results modelled with the REA approval sound power levels. The worst case receptor had a predicted sound level of 40.0 dBA; meeting the lowest MECP sound level limits.

The facility remains in compliance with the MECP sound level limits at all receptors.

8 References

- [1] Ministry of Environment, Conservation and Parks , "Compliance Protocol for Wind Turbine Noise," Government of Ontario , Toronto, April 2017.
- [2] Ministry of Environment, Conservation and Parks , "Noise Guideline for Wind Farms," Government of Ontario, Toronto, May 2016.
- [3] J. Salmon, S. Corby and C. Brothers, "Grand Renewable Energy Park Noise Assessment Report Revision 2," Zephyr North Ltd. , Burlington , 29 May 2012.
- [4] A. A. Iravani, "Grand Renewable Solar Park Project Revised Noise Study Report," Dillon Consulting Limited , Toronto , October 2014.
- [5] K. Clark and P. Astiani, "Grand Renewable Wind Farm- Turbine T10 IEC 61400-11 Edition 3.0 Measurement Report [14284.00.T10.RP4]," Aeroustics Engineering Limited, Mississauga, 2018.
- [6] A. Denison and P. Ashtiani, "Grand Renewable Wind Farm- Turbine T058 IEC 61400-11 Edition 3.0 Measurement Report [14284.00.T058.RP1]," Aeroustics Engineering Limited, Mississauga , 2016.
- [7] K. Clark and P. Ashtiani, "Grand Renewable Wind Farm- Turbine T60 IEC 61400-11 Edition 3.0 Measurement Report [14284.00.T60.RP5]," Aeroustics Engineering Limited , Mississauga , 2018.
- [8] A. Munro and P. Ashtiani, "Grand Renewable Wind Farm- Turbine T063 IEC 61400-11 Edition 3.0 Measurement Report [14284.00.T63.RP5]," Aeroustics Engineering Limited, Mississauga , 2018.
- [9] A. Denison and P. Ashtiani, "Grand Renewable Wind Farm- 1st Immission Audit Receptor Measurements," Aeroustics Engineering Limited, Mississauga , 2015.
- [10] A. Denison and P. Ashtiani, "Grand Renewable Wind Farm- 2nd Immission Audit Receptor Measurements," Aeroustics Engineering Limited, Mississauga, 2016.
- [11] A. Denison and P. Ashtiani, "Grand Renewable Wind Farm Transformer Station Acoustic Audit," Aeroustics Engineering Limited, Mississauga, 4 June 2018.

**Appendix A
Site Map**

Legend

contour

- Receptor
- ◆ GRWF
- * GRSF
- ◇ SWEC
- BWP

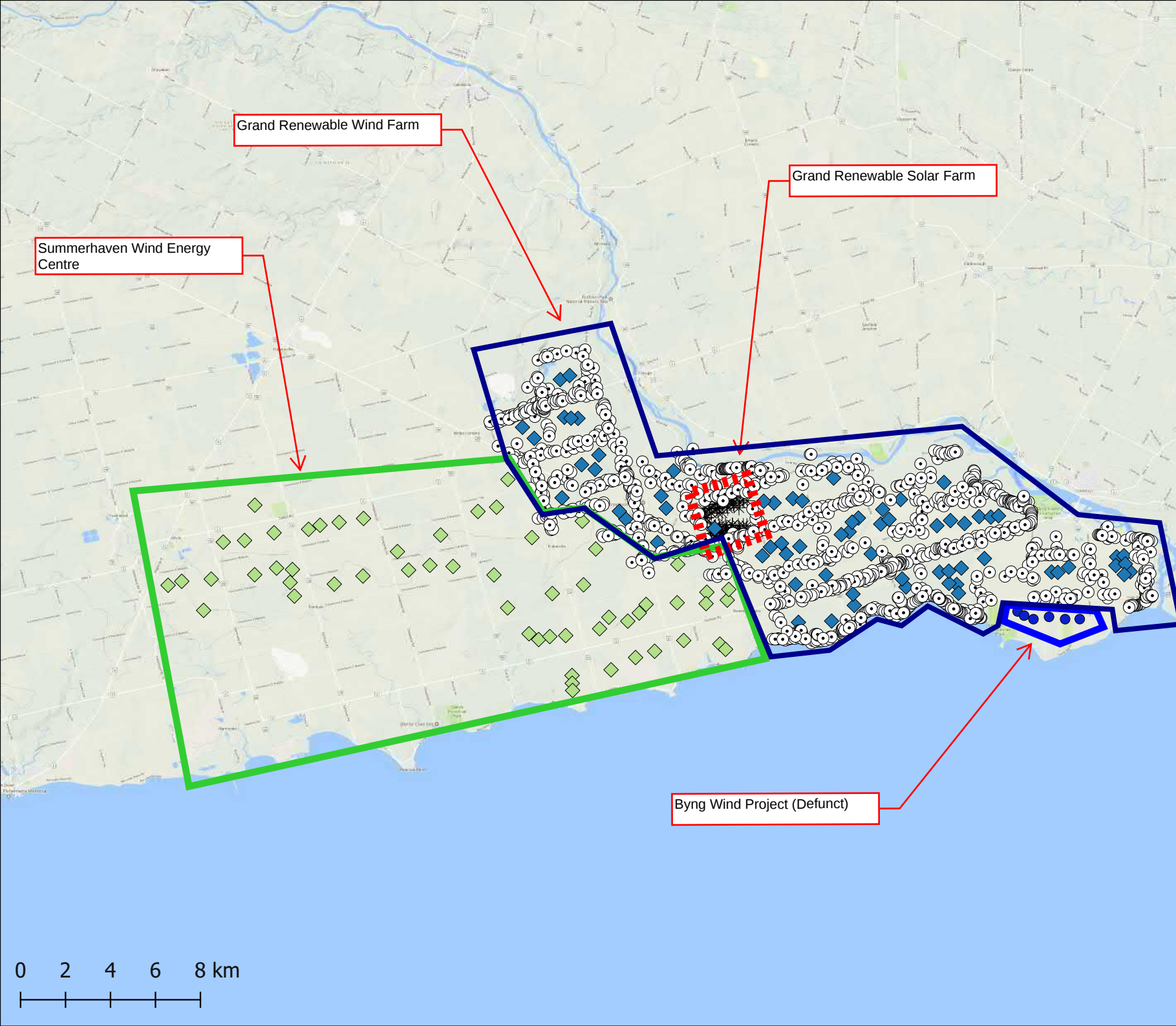


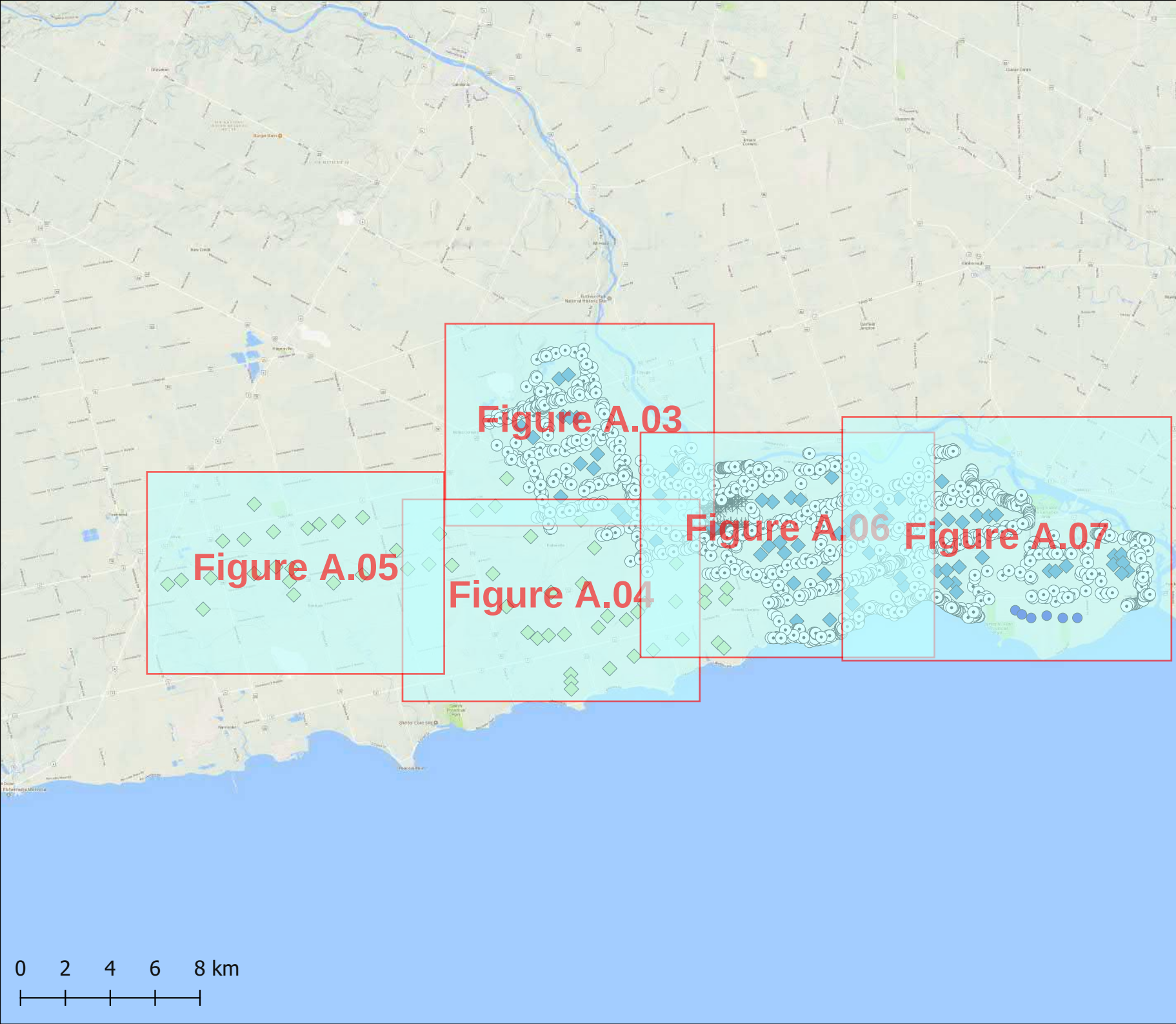
Project ID: 14284.00
Drawn by: NT
Reviewed by: AM
Date: Oct 22, 2018
Revision: 1

Scale: As Indicated

Grand Renewable WF
Site Plan Overview

Figure A.01





Legend

contour

- Receptor
- ◆ GRWF
- * GRSF
- ◇ SWEC
- BWP

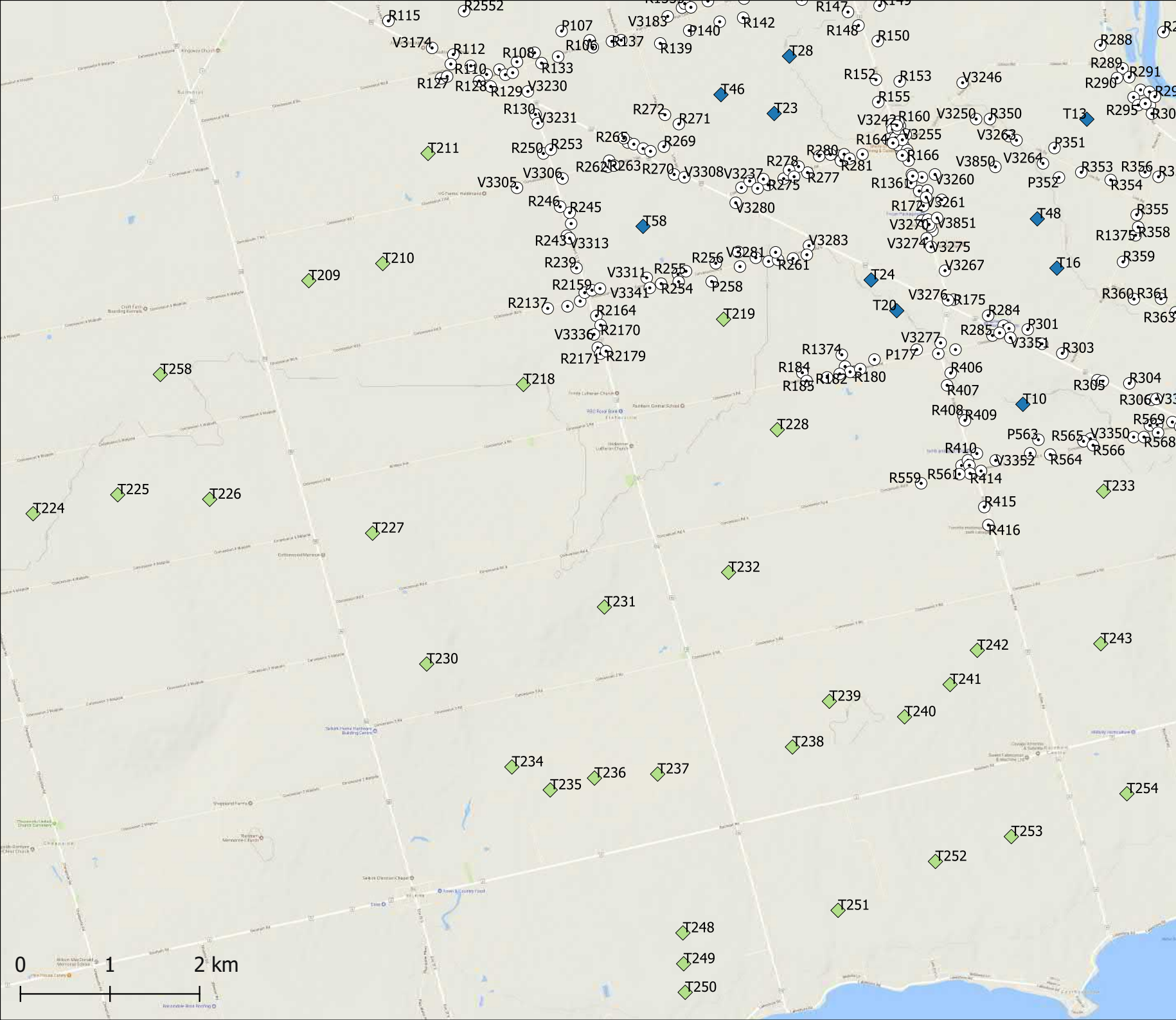


Project ID: 14284.00
Drawn by: NT
Revised by: AM
Date: Oct 22, 2018
Revision: 1

Scale: As Indicated

Grand Renewable WF
Site Plan Overview

Figure A.02



Legend

contour

- Receptor
- ◆ GRWF
- * GRSF
- ◆ SWEC
- BWP



Project ID: 14284.00
Drawn by: NT
Reviewed by: AM
Date: Oct 22, 2018
Revision: 1

Scale: As Indicated

Grand Renewable WF
Site Plan Details

Figure A.04

Legend

contour

- ⊙ Receptor
- ◆ GRWF
- * GRSF
- ◆ SWEC
- BWP

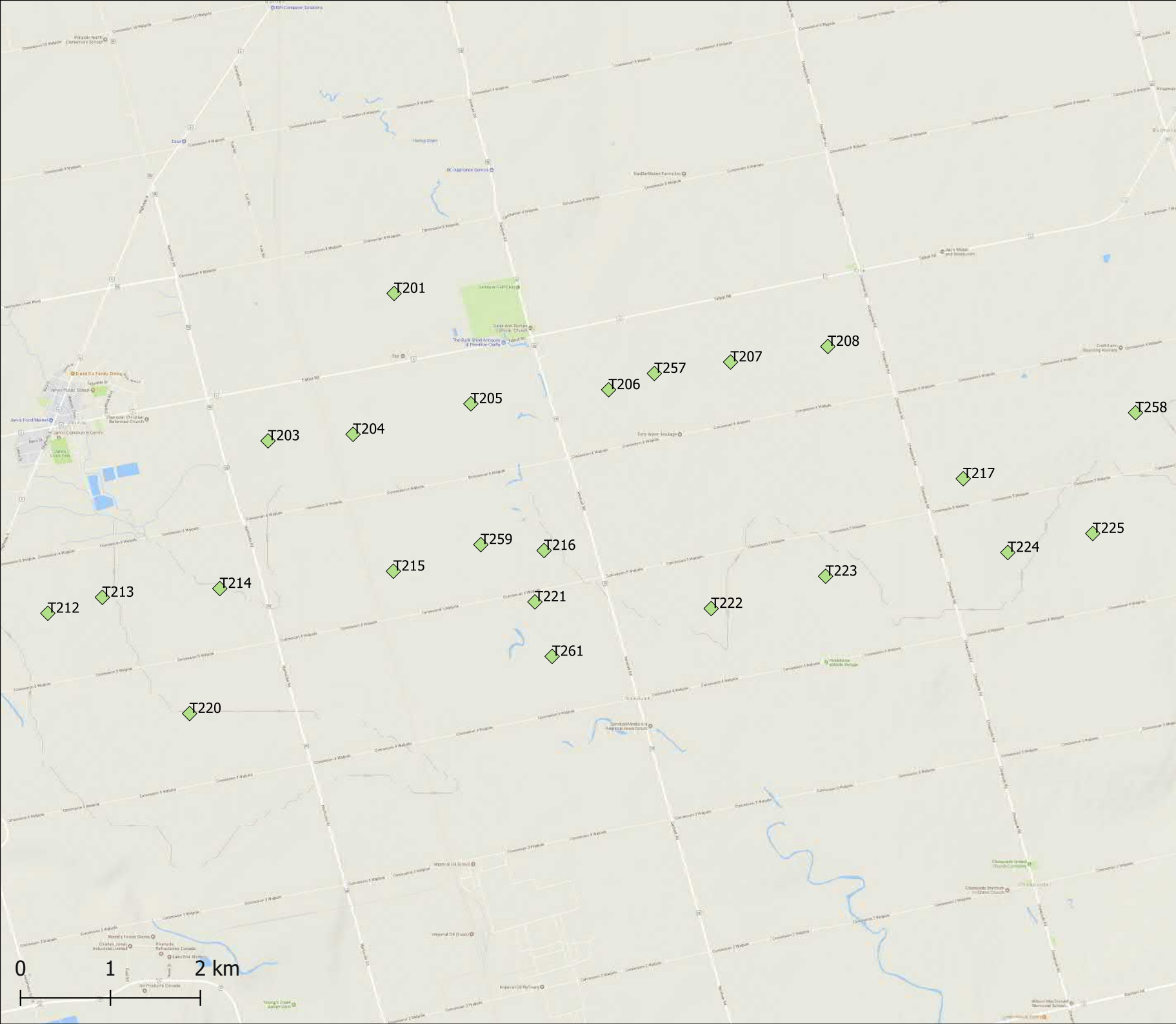


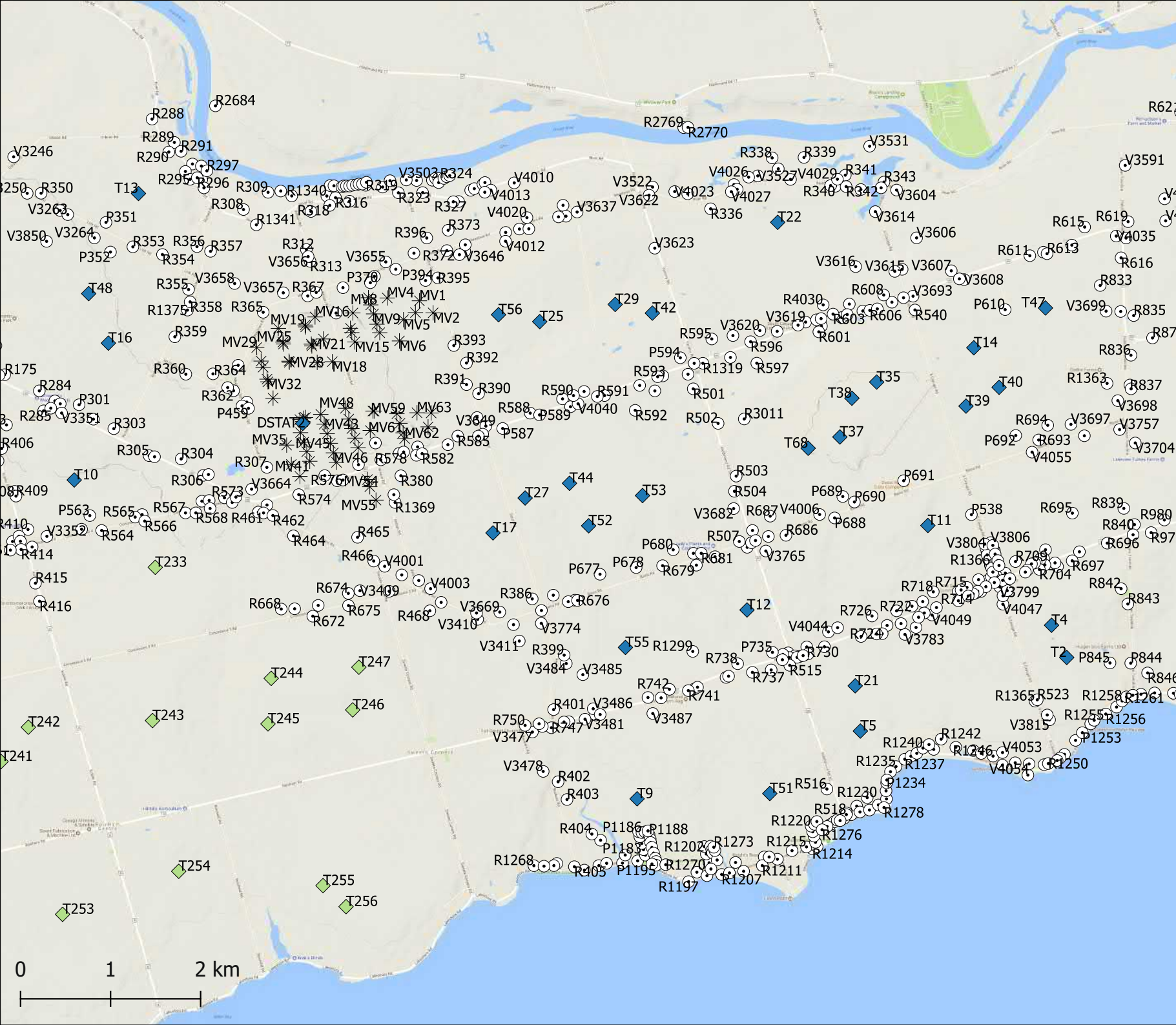
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Drawn by: NT
Reviewed by: AM
Date: Oct 22, 2018
Revision: 1

Scale: As Indicated

Grand Renewable WF
Site Plan Details

Figure A.05





Legend

contour

- Receptor
- ◆ GRWF
- * GRSF
- ◇ SWEC
- BWP

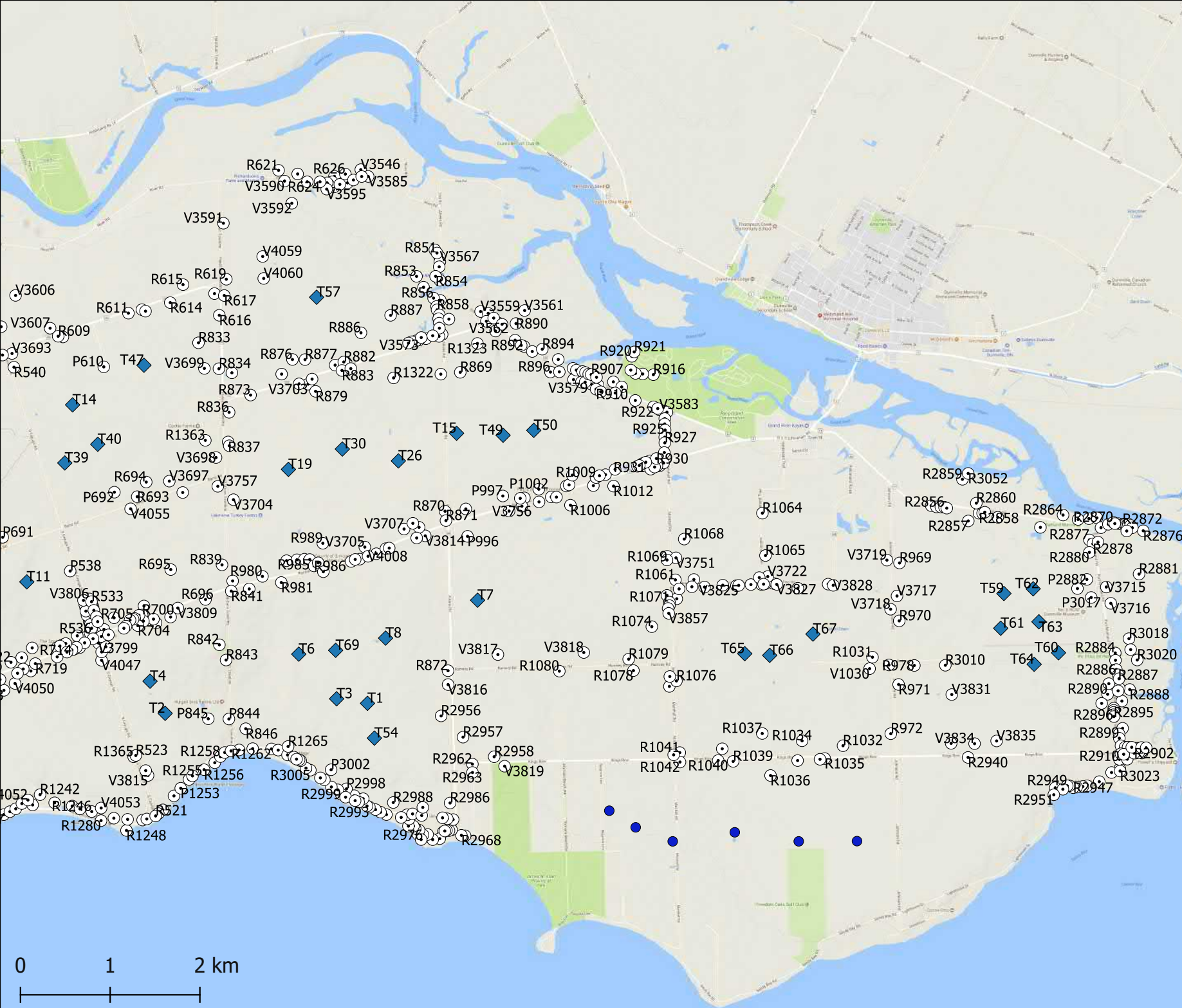


Project ID: 14284.00
 Drawn by: NT
 Reveiwed by: AM
 Date: Oct 22, 2018
 Revision: 1

Scale: As Indicated

Grand Renewable WF Site Plan Details

Figure 1E



Legend

contour

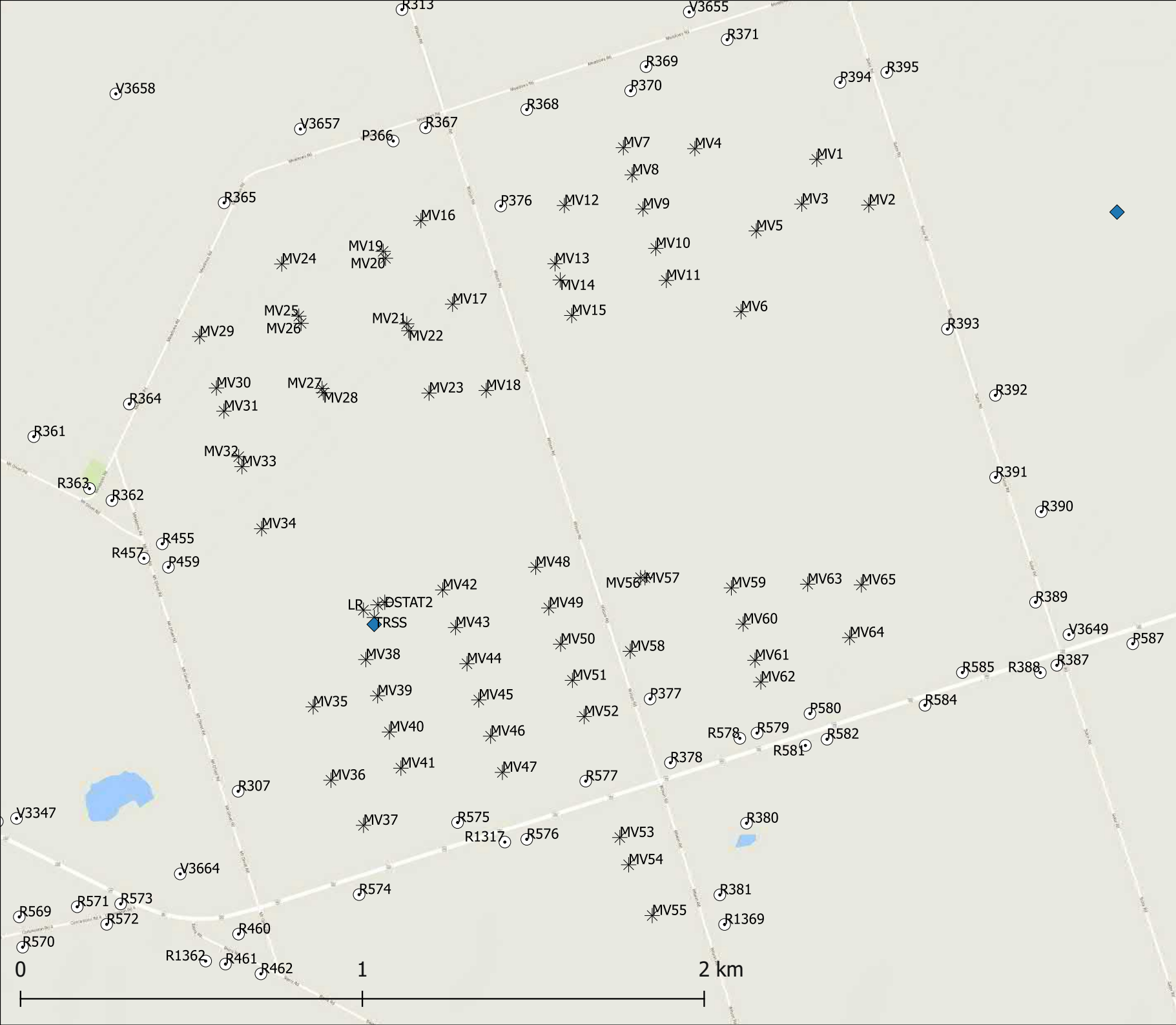
- Receptor
- ◆ GRWF
- * GRSF
- ◇ SWEC
- BWP



Project ID: 14284.00
 Drawn by: NT
 Reveiwed by: AM
 Date: Oct 22, 2018
 Revision: 1
 Scale: As Indicated

Grand Renewable WF Site Plan Details

Figure A.07



Legend

contour

- Receptor
- GRWF
- GRSF
- SWEC
- BWP



Project ID: 14284.00
Drawn by: NT
Reviewed by: AM
Date: Oct 22, 2018
Revision: 1

Scale: As Indicated

Grand Renewable WF
GRSF Details

Figure A.08

Table A.01: Grand Renewable Wind Farm Equipment Location Table

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

Page 1 of 2

Project Number: 14284.00

Created on: 6/26/2018

Equipment ID	Description	UTM (Easting, m)	UTM (Northing, m)
T1	Siemens SWT-2.221-101	607287	4746785
T2	Siemens SWT-2.221-101	605035	4746639
T3	Siemens SWT-2.221-101	606942	4746830
T4	Siemens SWT-2.221-101	604861	4746993
T5	Siemens SWT-2.221-101	602757	4745791
T6	Siemens SWT-2.221-101	606513	4747319
T7	Siemens SWT-2.221-101	608495	4747949
T8	Siemens SWT-2.221-101	607477	4747512
T9	Siemens SWT-2.221-101	600290	4745005
T10	Siemens SWT-2.126-101	593994	4748442
T11	Siemens SWT-2.221-101	603472	4748075
T12	Siemens SWT-2.221-101	601479	4747111
T13	Siemens SWT-2.221-101	594663	4751618
T14	Siemens SWT-2.221-101	603952	4750047
T15	Siemens SWT-2.221-101	608232	4749798
T16	Siemens SWT-2.221-101	594352	4749960
T17	Siemens SWT-2.221-101	598648	4747922
T18	Siemens SWT-2.221-101	587941	4753452
T19	Siemens SWT-2.221-101	606366	4749368
T20	Siemens SWT-2.221-101	592573	4749463
T21	Siemens SWT-2.221-101	602692	4746290
T22	Siemens SWT-2.221-101	601756	4751401
T23	Siemens SWT-2.221-101	591178	4751634
T24	Siemens SWT-2.221-101	592283	4749800
T25	Siemens SWT-2.221-101	599133	4750265
T26	Siemens SWT-2.221-101	607589	4749481
T27	Siemens SWT-2.221-101	598999	4748313
T28	Siemens SWT-2.221-101	591339	4752273
T29	Siemens SWT-2.221-101	599967	4750467
T30	Siemens SWT-2.221-101	606963	4749603
T33	Siemens SWT-2.221-101	589588	4755581
T34	Siemens SWT-2.221-101	589790	4753921
T35	Siemens SWT-2.221-101	602880	4749652
T36	Siemens SWT-2.221-101	589999	4755766
T37	Siemens SWT-2.221-101	602481	4749039
T38	Siemens SWT-2.221-101	602608	4749469
T39	Siemens SWT-2.221-101	603875	4749401
T40	Siemens SWT-2.221-101	604239	4749614
T41	Siemens SWT-2.221-101	590395	4753879

Table A.01: Grand Renewable Wind Farm Equipment Location Table

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

Page 2 of 2

Project Number: 14284.00

Created on: 6/26/2018

Equipment ID	Description	UTM (Easting, m)	UTM (Northing, m)
T42	Siemens SWT-2.221-101	600381	4750377
T43	Siemens SWT-2.221-101	588468	4752971
T44	Siemens SWT-2.221-101	599489	4748483
T45	Siemens SWT-2.221-101	590085	4753880
T46	Siemens SWT-2.221-101	590582	4751836
T47	Siemens SWT-2.221-101	604740	4750499
T48	Siemens SWT-2.221-101	594126	4750504
T49	Siemens SWT-2.221-101	608750	4749784
T50	Siemens SWT-2.221-101	609091	4749844
T51	Siemens SWT-2.221-101	601762	4745085
T52	Siemens SWT-2.221-101	599708	4748016
T53	Siemens SWT-2.221-101	600301	4748359
T54	Siemens SWT-2.221-101	607370	4746400
T55	Siemens SWT-2.221-101	600136	4746677
T56	Siemens SWT-2.221-101	598675	4750335
T57	Siemens SWT-2.221-101	606650	4751283
T58	Siemens SWT-2.126-101	589733	4750362
T59	Siemens SWT-2.221-101	614355	4748118
T60	Siemens SWT-2.221-101	614974	4747470
T61	Siemens SWT-2.221-101	614326	4747732
T62	Siemens SWT-2.221-101	614680	4748176
T63	Siemens SWT-2.221-101	614750	4747811
T64	Siemens SWT-2.221-101	614705	4747338
T65	Siemens SWT-2.221-101	611480	4747403
T66	Siemens SWT-2.221-101	611758	4747389
T67	Siemens SWT-2.221-101	612236	4747633
T68	Siemens SWT-2.221-101	602131	4748909
T69	Siemens SWT-2.221-101	606923	4747368
Tr300	Hyundai 166MVA Transformer	596520	4749103

Note: All Coordinates are in UTM, Z17-NAD83 Projection

**Appendix B
Turbine Noise Specification**

SIEMENS

Contract Acoustic Emission, SWT-2.3-101 (2126 kW), Hub Height 99.5 m
Document E-R-WP-CTO-40-CA00016-2064-00
PE, BSN / 2011.09.05
Conveyed Confidentially as Trade Secret

SWT-2.3-101, Max. Power 2126 kW Contract Acoustic Emission, Hub Height 99.5 m

Sound Power Levels

The warranted sound power level is presented with reference to the code IEC 61400-11:2002 with amendment 1 dated 2006-05 based on a hub height of 99.5 m and a roughness length of 0.05 m as described in the IEC code. The sound power levels (L_{WA}) presented are valid for the corresponding wind speeds referenced to a height of 10 m above ground level.

Wind speed [m/s]	3	4	5	6	7	8	9	10	11	12	Up to cut-out
Sound power level	91.4	95.7	100.3	103.5	104.0	104.0	104.0	104.0	104.0	104.0	104.0

Table 1: Noise emission, L_{WA} [dB(A) re 1 pW]

Octave Band

Octave band spectra are tabulated below for 6 and 8 m/s referenced to 10 m height.

Octave band, centre frequency [Hz]	63	125	250	500	1000	2000	4000	8000
Sound power level	82.6	93.6	96.1	97.3	97.4	96.0	87.9	83.5

Table 2: Octave band for 6 m/s, L_{WA} [dB(A) re 1 pW]

Octave band, centre frequency [Hz]	63	125	250	500	1000	2000	4000	8000
Sound power level	82.2	92.5	94.8	98.5	99.1	95.5	89.0	85.1

Table 3: Octave band for 8 m/s, L_{WA} [dB(A) re 1 pW]

SIEMENS

Contract Acoustic Emission, SWT-2.3-101 (2221 kW), Hub Height 99.5 m
Document E-R-WP-CTO-40-CA00016-2055-00
PE, BSN / 2011.09.05
Conveyed Confidentially as Trade Secret

SWT-2.3-101, Max. Power 2221 kW Contract Acoustic Emission, Hub Height 99.5 m

Sound Power Levels

The warranted sound power level is presented with reference to the code IEC 61400-11:2002 with amendment 1 dated 2006-05 based on a hub height of 99.5 m and a roughness length of 0.05 m as described in the IEC code. The sound power levels (L_{WA}) presented are valid for the corresponding wind speeds referenced to a height of 10 m above ground level.

Wind speed [m/s]	3	4	5	6	7	8	9	10	11	12	Up to cut-out
Sound power level	91.4	95.7	100.5	104.5	105.0	105.0	105.0	105.0	105.0	105.0	105.0

Table 1: Noise emission, L_{WA} [dB(A) re 1 pW]

Octave Band

Octave band spectra are tabulated below for 6 and 8 m/s referenced to 10 m height.

Octave band, centre frequency [Hz]	63	125	250	500	1000	2000	4000	8000
Sound power level	82.1	93.3	96.5	99.0	99.1	96.6	88.8	84.4

Table 2: Octave band for 6 m/s, L_{WA} [dB(A) re 1 pW]

Octave band, centre frequency [Hz]	63	125	250	500	1000	2000	4000	8000
Sound power level	82.4	93.0	96.0	99.8	100.1	96.5	89.6	85.7

Table 3: Octave band for 8 m/s, L_{WA} [dB(A) re 1 pW]

**Appendix C
Point of Reception and Acoustic Assessment Tables**

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R33	Residence	586801	4753685	4.5	1163	T18
R34	Residence	586915	4753670	1.5	1048	T18
R35	Residence	587107	4753766	4.5	891	T18
R36	Residence	586991	4753815	4.5	1016	T18
R37	Residence	587384	4753814	1.5	664	T18
R38	Residence	587323	4753794	1.5	706	T18
R39	Residence	587596	4753957	4.5	611	T18
R40	Residence	587786	4754086	4.5	652	T18
R43	Residence	588023	4754174	1.5	726	T18
R44	Residence	588029	4754075	1.5	629	T18
R45	Residence	588090	4754124	4.5	688	T18
R46	Residence	588271	4754284	1.5	895	T18
R47	Residence	588374	4754221	4.5	882	T18
R48	Residence	588590	4754285	4.5	1055	T18
R49	Residence	588639	4754279	1.5	1082	T18
R50	Residence	588655	4754393	1.5	1181	T18
R51	Residence	588786	4754283	1.5	1067	T34
R52	Residence	588802	4754188	1.5	1023	T34
R53	Residence	588903	4754152	4.5	916	T34
R54	Residence	588886	4754256	1.5	964	T34
R55	Residence	588871	4754295	1.5	992	T34
R56	Residence	588847	4754320	1.5	1023	T34
R57	Residence	588857	4754382	4.5	1040	T34
R58	Residence	588817	4754448	1.5	1106	T34
R59	Residence	588880	4754518	1.5	1088	T34
R60	Residence	588963	4754405	4.5	958	T34
R61	Residence	589301	4754618	4.5	851	T34
R63	Residence	589411	4754642	1.5	814	T34
R64	Residence	589533	4754681	1.5	802	T34
R65	Residence	589711	4754755	1.5	835	T33
R66	Residence	589639	4754613	1.5	708	T34
R67	Residence	589703	4754640	4.5	724	T34
R69	Residence	590194	4754795	1.5	921	T45
R70	Residence	590318	4754864	4.5	956	T36
R72	Residence	590390	4755045	4.5	820	T36
R73	Residence	590490	4755015	1.5	897	T36
R74	Residence	590508	4754884	4.5	1011	T41
R75	Residence	590996	4754932	1.5	1212	T41
R76	Residence	591066	4755195	1.5	1210	T36
R77	Residence	591142	4755206	4.5	1272	T36
R78	Residence	591212	4755248	1.5	1318	T36
R90	Residence	591238	4754978	4.5	1385	T41
R91	Residence	591533	4754527	1.5	1309	T41
R92	Residence	591564	4754460	1.5	1305	T41
R93	Residence	591601	4754353	1.5	1295	T41
R95	Residence	591463	4754250	1.5	1130	T41
R96	Residence	591616	4754058	4.5	1234	T41
R98	Residence	591702	4753538	1.5	1316	T28
R99	Residence	591753	4753462	1.5	1259	T28
R100	Residence	591569	4753239	1.5	993	T28
R101	Residence	591492	4753217	1.5	956	T28
R102	Residence	591364	4753328	4.5	1055	T28
R103	Residence	591260	4753171	1.5	901	T28
R104	Residence	591138	4753110	1.5	860	T28
R105	Residence	590135	4752796	1.5	1058	T46
R106	Residence	589111	4752420	4.5	846	T43
R108	Residence	588499	4752274	4.5	697	T43

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R109	Residence	588109	4752082	4.5	958	T43
R110	Residence	587968	4752026	4.5	1069	T43
R111	Residence	587790	4752120	1.5	1088	T43
R112	Residence	587594	4752243	1.5	1137	T43
R113	Residence	587567	4752136	4.5	1228	T43
R115	Residence	586866	4752607	1.5	1367	T18
R119	Residence	589019	4753583	1.5	823	T43
R120	Residence	589174	4753402	1.5	805	T34
R121	Residence	589129	4753224	1.5	707	T43
R122	Residence	589129	4753079	1.5	669	T43
R127	Residence	587461	4751976	1.5	1415	T43
R128	Residence	587885	4751951	1.5	1174	T43
R129	Residence	588015	4751893	4.5	1169	T43
R130	Residence	588518	4751589	4.5	1382	T43
R131	Residence	588177	4752026	1.5	988	T43
R132	Residence	588258	4752049	1.5	945	T43
R133	Residence	588578	4752160	1.5	818	T43
R134	Residence	588762	4752234	4.5	793	T43
R135	Residence	588304	4752171	1.5	816	T43
R136	Residence	589147	4752343	4.5	924	T43
R137	Residence	589359	4752412	4.5	1051	T43
R138	Residence	589462	4752426	4.5	1133	T43
R139	Residence	589898	4752396	4.5	884	T46
R141	Residence	590557	4752645	4.5	809	T46
R142	Residence	590818	4752693	4.5	669	T28
R143	Residence	591469	4752903	4.5	643	T28
R144	Residence	591585	4753138	4.5	899	T28
R145	Residence	591929	4753082	4.5	1001	T28
R146	Residence	591995	4753218	4.5	1150	T28
R147	Residence	591985	4752772	4.5	816	T28
R148	Residence	592104	4752624	4.5	841	T28
R149	Residence	592336	4752848	4.5	1150	T28
R150	Residence	592321	4752454	4.5	998	T28
R152	Residence	592307	4752025	1.5	999	T28
R153	Residence	592572	4752010	4.5	1260	T28
R155	Residence	592336	4751777	1.5	1113	T28
R158	Residence	592591	4751396	4.5	1432	T23
R159	Residence	592581	4751514	4.5	1408	T23
R160	Residence	592562	4751561	1.5	1385	T23
R161	Residence	592488	4751533	1.5	1313	T23
R162	Residence	592499	4751476	1.5	1330	T23
R163	Residence	592498	4751381	1.5	1344	T23
R164	Residence	592451	4751364	1.5	1301	T23
R165	Residence	592561	4751302	4.5	1422	T23
R166	Residence	592665	4751248	1.5	1497	T24
R167	Residence	592675	4751206	1.5	1459	T24
R170	Residence	592834	4750948	1.5	1273	T24
R171	Residence	592806	4750795	1.5	1124	T24
R172	Residence	592854	4750632	1.5	1009	T24
R173	Residence	592839	4750467	4.5	868	T24
R174	Residence	592959	4750356	4.5	875	T24
R175	Residence	593206	4749595	4.5	646	T20
R176	Residence	593043	4748993	1.5	664	T20
R178	Residence	592332	4748917	4.5	596	T20
R179	Residence	592005	4748835	1.5	846	T20
R180	Residence	592107	4748777	1.5	829	T20
R181	Residence	592062	4748776	1.5	856	T20
R182	Residence	591946	4748752	4.5	947	T20
R184	Residence	591530	4748760	4.5	1257	T20
R185	Residence	591579	4748669	4.5	1272	T20

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R239	Residence	588997	4749890	1.5	874	T58
R243	Residence	588886	4750247	1.5	854	T58
R244	Residence	588931	4750382	4.5	802	T58
R245	Residence	588913	4750503	1.5	832	T58
R246	Residence	588806	4750568	4.5	949	T58
R250	Residence	588611	4751157	4.5	1375	T58
R253	Residence	588694	4751201	4.5	1335	T58
R254	Residence	589943	4749728	4.5	667	T58
R255	Residence	590130	4749836	4.5	659	T58
R256	Residence	590549	4749963	4.5	908	T58
R257	Residence	590797	4750092	4.5	1097	T58
R259	Residence	590819	4749930	4.5	1168	T58
R260	Residence	591137	4749991	1.5	1161	T24
R261	Residence	591243	4750010	1.5	1060	T24
R262	Residence	589331	4751018	4.5	769	T58
R263	Residence	589346	4751086	1.5	820	T58
R265	Residence	589552	4751291	1.5	946	T58
R266	Residence	589618	4751273	4.5	918	T58
R267	Residence	589722	4751226	1.5	864	T58
R268	Residence	589805	4751197	4.5	838	T58
R269	Residence	589953	4751250	4.5	859	T46
R270	Residence	590072	4750943	4.5	672	T58
R271	Residence	590117	4751503	4.5	571	T46
R272	Residence	589961	4751604	1.5	662	T46
R273	Residence	590915	4750881	1.5	797	T23
R275	Residence	591121	4750841	1.5	795	T23
R276	Residence	591293	4750912	4.5	731	T23
R277	Residence	591558	4750983	4.5	753	T23
R278	Residence	591457	4751049	1.5	648	T23
R279	Residence	591686	4751169	4.5	688	T23
R280	Residence	591901	4751175	1.5	856	T23
R281	Residence	591929	4751121	4.5	909	T23
R282	Residence	591963	4751192	4.5	900	T23
R283	Residence	592168	4751194	1.5	1083	T23
R284	Residence	593593	4749422	4.5	930	T16
R285	Residence	593644	4749202	1.5	836	T10
R288	Residence	594802	4752442	4.5	835	T13
R289	Residence	595053	4752188	4.5	690	T13
R290	Residence	594993	4752081	4.5	568	T13
R291	Residence	595129	4752091	4.5	663	T13
R292	Residence	595257	4751952	1.5	681	T13
R293	Residence	595180	4751869	4.5	574	T13
R294	Residence	595356	4751931	1.5	760	T13
R295	Residence	595233	4751783	4.5	593	T13
R296	Residence	595312	4751801	1.5	674	T13
R297	Residence	595418	4751879	4.5	798	T13
R300	Residence	595388	4751690	4.5	728	T13
R302	Residence	594197	4749117	1.5	704	T10
R303	Residence	594425	4749015	4.5	717	T10
R304	Residence	595177	4748691	1.5	1180	MV35
R305	Residence	594821	4748722	1.5	873	T10
R306	Residence	595426	4748513	4.5	982	MV35
R307	Residence	596129	4748611	1.5	273	MV36
R308	Residence	595830	4751457	1.5	1178	T13
R309	Residence	596100	4751651	4.5	1437	T13
R310	Residence	596240	4751667	4.5	1442	MV16
R311	Residence	596363	4751615	4.5	1362	MV16
R312	Residence	596533	4751025	1.5	751	MV16
R313	Residence	596576	4750895	4.5	617	MV16
R314	Residence	596578	4751446	4.5	1146	MV7

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R316	Residence	596849	4751602	4.5	1163	MV7
R317	Residence	597005	4751565	1.5	1086	MV7
R318	Residence	596786	4751516	1.5	1106	MV7
R319	Residence	597182	4751744	1.5	1242	MV7
R320	Residence	597369	4751727	4.5	1226	MV4
R321	Residence	597631	4751809	1.5	1321	MV4
R322	Residence	597814	4751672	4.5	1196	MV1
R323	Residence	597545	4751666	4.5	1168	MV4
R324	Residence	598007	4751826	1.5	1366	MV1
R325	Residence	598346	4751705	1.5	1346	MV1
R327	Residence	598214	4751579	4.5	1179	MV1
R336	Residence	601010	4751539	1.5	758	T22
R337	Residence	601265	4751811	4.5	639	T22
R338	Residence	601684	4752112	4.5	714	T22
R339	Residence	602037	4752122	4.5	773	T22
R340	Residence	602390	4751809	1.5	753	T22
R341	Residence	602498	4751933	4.5	913	T22
R342	Residence	602509	4751807	1.5	855	T22
R343	Residence	602928	4751863	7.5	1259	T22
R349	Residence	603144	4750902	4.5	1176	T14
R350	Residence	593583	4751606	1.5	1080	T13
R353	Residence	594609	4751028	1.5	592	T13
R354	Residence	594938	4750947	4.5	725	T13
R355	Residence	595233	4750565	4.5	991	MV29
R356	Residence	595320	4751040	1.5	875	T13
R357	Residence	595471	4750990	1.5	1023	T13
R358	Residence	595252	4750428	4.5	894	MV29
R359	Residence	595088	4750040	1.5	740	T16
R360	Residence	595216	4749628	1.5	839	MV29
R361	Residence	595517	4749636	1.5	552	MV30
R362	Residence	595748	4749453	1.5	392	MV32
R363	Church	595682	4749487	1.5	446	MV32
R364	Residence	595795	4749735	7.5	258	MV30
R365	Residence	596064	4750325	1.5	245	MV24
R367	Residence	596650	4750552	4.5	271	MV16
R368	Residence	596945	4750609	4.5	300	MV12
R369	Residence	597292	4750739	4.5	245	MV7
R371	Residence	597528	4750821	4.5	331	MV4
R372	Residence	598092	4751035	1.5	633	MV1
R373	Residence	598103	4751260	1.5	842	MV1
R374	Residence	598295	4751102	4.5	801	MV1
R378	Residence	597392	4748712	1.5	263	MV53
R380	Residence	597617	4748539	1.5	365	MV54
R381	Residence	597542	4748329	1.5	206	MV55
R383	Residence	597832	4747384	4.5	977	T17
R386	Residence	599094	4747199	4.5	849	T17
R387	Residence	598518	4749012	1.5	611	MV64
R388	Residence	598470	4748990	1.5	566	MV64
R389	Residence	598453	4749195	4.5	511	MV65
R390	Residence	598466	4749459	4.5	567	MV65
R391	Residence	598331	4749557	4.5	502	MV65
R392	Residence	598327	4749796	1.5	641	T56
R393	Residence	598184	4749987	4.5	428	MV2
R395	Residence	597996	4750732	4.5	325	MV1
R396	Residence	597867	4751171	1.5	698	MV1
R399	Residence	599457	4746582	4.5	685	T55
R401	Residence	599349	4745978	1.5	1052	T55
R402	Residence	599410	4745181	4.5	897	T9
R403	Residence	599512	4744986	1.5	778	T9
R404	Residence	599793	4744608	1.5	636	T9

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R405	Residence	599604	4744244	4.5	1024	T9
R406	Residence	593184	4748779	4.5	877	T10
R407	Residence	593146	4748642	1.5	871	T10
R408	Residence	593334	4748307	1.5	673	T10
R409	Residence	593350	4748255	1.5	670	T10
R410	Residence	593488	4747888	1.5	750	T10
R411	Residence	593389	4747812	4.5	873	T10
R412	Residence	593406	4747756	1.5	903	T10
R413	Residence	593537	4747695	4.5	875	T10
R414	Residence	593415	4747666	1.5	968	T10
R415	Residence	593579	4747295	4.5	1219	T10
R416	Residence	593627	4747096	4.5	1395	T10
R455	Residence	595897	4749329	4.5	293	MV34
R457	Residence	595844	4749286	4.5	354	MV34
R460	Residence	596136	4748195	4.5	483	MV37
R461	Residence	596099	4748107	1.5	571	MV37
R462	Residence	596203	4748080	4.5	526	MV37
R464	Residence	596434	4747858	1.5	662	MV37
R465	Residence	597146	4747852	4.5	459	MV55
R466	Residence	597329	4747592	4.5	674	MV55
R467	Residence	597505	4747260	1.5	1018	MV55
R468	Residence	597960	4747051	4.5	1109	T17
R469	Residence	598084	4747146	1.5	959	T17
R470	Residence	598478	4747034	4.5	904	T17
R471	Residence	599198	4747072	4.5	1012	T17
R501	Residence	600846	4749547	1.5	951	T42
R502	Residence	601128	4749169	4.5	1036	T68
R503	Residence	601337	4748589	4.5	856	T68
R504	Residence	601320	4748421	4.5	946	T68
R505	Residence	601527	4747991	4.5	881	T12
R507	Residence	601382	4747867	4.5	762	T12
R508	Residence	601517	4747855	4.5	744	T12
R509	Residence	601562	4747880	4.5	773	T12
R510	Residence	601704	4747927	4.5	846	T12
R512	Residence	601959	4746592	4.5	706	T12
R513	Residence	602042	4746596	1.5	718	T21
R515	Residence	601962	4746506	1.5	761	T21
R516	Residence	602395	4745144	1.5	635	T51
R517	Residence	602617	4744883	1.5	878	T51
R518	Residence	602615	4744865	1.5	880	T51
R519	Residence	602547	4744797	1.5	836	T51
R520	Residence	604976	4745525	1.5	1115	T2
R521	Residence	604946	4745498	1.5	1144	T2
R523	Residence	604715	4746166	1.5	571	T2
R524	Residence	604317	4747310	4.5	629	T4
R525	Residence	604363	4747368	4.5	623	T4
R527	Residence	604311	4747481	1.5	735	T4
R528	Residence	604043	4747485	4.5	821	T11
R529	Residence	604185	4747518	4.5	855	T4
R530	Residence	604187	4747613	1.5	851	T11
R531	Residence	604135	4747760	1.5	734	T11
R532	Residence	604106	4747879	1.5	663	T11
R533	Residence	604196	4747866	1.5	753	T11
R534	Residence	604223	4747770	1.5	810	T11
R535	Residence	604253	4747699	4.5	866	T11
R536	Residence	604201	4747571	1.5	877	T4
R537	Residence	604268	4747645	1.5	881	T4
R540	Residence	603293	4750455	4.5	775	T14
R541	Residence	603164	4750588	1.5	955	T14
R559	Residence	592871	4747549	1.5	1434	T10

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R561	Residence	593296	4747657	4.5	1050	T10
R562	Residence	594083	4747899	1.5	550	T10
R564	Residence	594306	4747888	4.5	635	T10
R565	Residence	594675	4748041	1.5	790	T10
R566	Residence	594782	4747998	4.5	904	T10
R567	Residence	595233	4748095	4.5	1286	T10
R568	Residence	595348	4748097	4.5	1187	MV36
R569	Residence	595494	4748236	4.5	994	MV36
R570	Residence	595505	4748148	4.5	1024	MV36
R571	Residence	595663	4748268	1.5	828	MV36
R572	Residence	595750	4748218	4.5	778	MV36
R573	Residence	595790	4748278	4.5	712	MV36
R574	Residence	596487	4748315	4.5	202	MV37
R575	Residence	596772	4748529	4.5	196	MV47
R576	Residence	596975	4748483	4.5	207	MV47
R577	Residence	597145	4748655	4.5	188	MV52
R578	Residence	597594	4748786	1.5	175	MV62
R579	Residence	597644	4748802	1.5	149	MV62
R581	Residence	597786	4748768	1.5	226	MV62
R582	Residence	597849	4748787	1.5	255	MV62
R584	Residence	598134	4748890	4.5	295	MV64
R585	Residence	598242	4748987	4.5	344	MV64
R588	Residence	599042	4749252	4.5	889	T44
R590	Residence	599519	4749453	4.5	899	T25
R591	Residence	599784	4749447	4.5	1008	T44
R592	Residence	600206	4749300	4.5	945	T53
R593	Residence	600450	4749675	4.5	705	T42
R595	Residence	601044	4750101	4.5	718	T42
R596	Residence	601475	4750077	4.5	1134	T42
R597	Residence	601547	4749841	4.5	1099	T68
R598	Residence	601768	4750196	4.5	1110	T38
R599	Cemetery	601999	4750268	1.5	1004	T38
R601	Residence	602230	4750197	4.5	820	T38
R602	Residence	602253	4750344	4.5	933	T35
R603	Residence	602385	4750396	4.5	893	T35
R604	Residence	602564	4750509	4.5	913	T35
R605	Residence	602542	4750393	4.5	814	T35
R606	Residence	602792	4750443	4.5	795	T35
R607	Residence	602875	4750461	4.5	809	T35
R608	Residence	602944	4750615	1.5	965	T35
R609	Residence	603780	4750806	4.5	778	T14
R611	Residence	604558	4751074	4.5	603	T47
R612	Residence	604708	4751115	1.5	616	T47
R613	Residence	604748	4751099	4.5	600	T47
R614	Residence	605022	4751198	4.5	753	T47
R615	Residence	605161	4751400	4.5	994	T47
R616	Residence	605570	4751066	4.5	1005	T47
R617	Residence	605622	4751286	4.5	1028	T57
R619	Residence	605642	4751467	1.5	1024	T57
R621	Residence	606205	4752684	4.5	1469	T57
R622	Residence	606418	4752647	1.5	1383	T57
R623	Residence	606526	4752562	4.5	1284	T57
R624	Residence	606668	4752564	4.5	1281	T57
R625	Residence	606889	4752539	1.5	1278	T57
R626	Residence	606949	4752654	1.5	1403	T57
R627	Residence	607040	4752590	1.5	1363	T57
R628	Residence	607131	4752630	4.5	1430	T57
R668	Residence	596310	4747047	4.5	1481	MV37
R670	Residence	596459	4747052	1.5	1465	MV37
R672	Residence	596662	4746973	1.5	1462	MV55
R673	Residence	596720	4747093	4.5	1329	MV55

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R674	Residence	597052	4747231	4.5	1075	MV55
R675	Residence	597056	4747096	4.5	1205	MV55
R676	Residence	599597	4747189	4.5	743	T55
R679	Residence	600535	4747587	4.5	806	T53
R681	Residence	600962	4747730	4.5	806	T12
R682	Residence	601115	4747695	1.5	688	T12
R683	Residence	600910	4747598	1.5	748	T12
R686	Residence	601899	4747943	4.5	932	T12
R687	Residence	601721	4748152	1.5	860	T68
R693	Residence	604687	4749039	4.5	728	T40
R694	Residence	604785	4749203	4.5	683	T40
R695	Residence	605073	4748236	4.5	1260	T4
R696	Residence	605465	4747910	1.5	1098	T4
R697	Residence	605079	4747709	4.5	748	T4
R698	Residence	604889	4747683	4.5	690	T4
R699	Residence	604781	4747827	4.5	837	T4
R700	Residence	604762	4747726	1.5	739	T4
R701	Residence	604777	4747659	1.5	671	T4
R702	Residence	604727	4747723	1.5	742	T4
R703	Residence	604680	4747687	4.5	717	T4
R704	Residence	604716	4747608	4.5	631	T4
R705	Residence	604662	4747678	4.5	713	T4
R706	Residence	604628	4747668	4.5	714	T4
R707	Residence	604584	4747600	4.5	667	T4
R708	Residence	604561	4747576	1.5	655	T4
R709	Residence	604450	4747691	4.5	810	T4
R710	Residence	604390	4747501	1.5	692	T4
R711	Residence	604219	4747455	4.5	790	T4
R712	Residence	604126	4747408	1.5	844	T4
R713	Residence	604036	4747357	1.5	901	T4
R714	Residence	603986	4747326	4.5	908	T11
R715	Residence	603916	4747397	1.5	810	T11
R716	Residence	603851	4747368	1.5	802	T11
R717	Residence	603931	4747302	4.5	899	T11
R718	Residence	603543	4747343	4.5	735	T11
R719	Residence	603581	4747169	1.5	912	T11
R720	Residence	603447	4747107	1.5	968	T11
R721	Residence	603384	4747059	1.5	1019	T11
R722	Residence	603309	4747180	4.5	909	T11
R723	Residence	603190	4746986	1.5	855	T21
R724	Residence	602983	4746871	4.5	649	T21
R725	Residence	602922	4746867	4.5	621	T21
R726	Residence	602867	4747065	7.5	794	T21
R727	Residence	602749	4746837	1.5	549	T21
R728	Residence	602487	4746930	4.5	672	T21
R730	Residence	602148	4746712	4.5	688	T21
R731	Residence	602164	4746635	1.5	630	T21
R732	Residence	602109	4746616	4.5	667	T21
R733	Residence	601884	4746626	4.5	631	T12
R734	Residence	601880	4746566	4.5	676	T12
R737	Residence	601549	4746422	4.5	692	T12
R738	Residence	601384	4746515	4.5	603	T12
R739	Residence	601285	4746376	1.5	760	T12
R740	Residence	600942	4746249	1.5	912	T55
R741	Residence	600841	4746210	1.5	845	T55
R742	Residence	600631	4746221	4.5	673	T55
R743	Residence	600540	4746125	4.5	684	T55
R744	Residence	600394	4746127	4.5	607	T55
R745	Residence	599866	4745931	4.5	793	T55
R746	Residence	599466	4745843	4.5	1069	T55
R747	Residence	599327	4745777	1.5	1210	T55

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R748	Residence	599226	4745790	4.5	1270	T55
R749	Residence	599190	4745819	4.5	1277	T55
R750	Residence	599035	4745799	4.5	1408	T55
R833	Residence	605343	4750757	1.5	655	T47
R834	Residence	605575	4750473	1.5	835	T47
R835	Residence	605720	4750430	4.5	982	T47
R836	Residence	605696	4749991	1.5	914	T19
R837	Residence	605690	4749662	1.5	737	T19
R838	Residence	605703	4749620	1.5	709	T19
R839	Residence	605643	4748297	4.5	1292	T19
R840	Residence	605764	4748120	1.5	1096	T6
R841	Residence	605750	4748007	1.5	1027	T6
R842	Church/Cmtry	605627	4747409	1.5	871	T4
R843	Residence	605704	4747241	1.5	812	T6
R846	Residence	605935	4746482	4.5	913	T2
R847	Residence	605775	4746233	4.5	844	T2
R850	Residence	607958	4751829	1.5	1417	T57
R851	Residence	607982	4751795	1.5	1427	T57
R852	Residence	608009	4751642	1.5	1405	T57
R853	Residence	607759	4751532	4.5	1136	T57
R854	Residence	607971	4751536	1.5	1345	T57
R855	Residence	607839	4751413	1.5	1196	T57
R856	Residence	607952	4751294	4.5	1302	T57
R857	Residence	607987	4751201	1.5	1339	T57
R858	Residence	607993	4751164	1.5	1348	T57
R859	Residence	608019	4751108	1.5	1327	T15
R860	Residence	608012	4751066	1.5	1286	T15
R861	Residence	608020	4751017	1.5	1237	T15
R862	Residence	608022	4750961	1.5	1181	T15
R863	Residence	608127	4751063	1.5	1269	T15
R864	Residence	607949	4750876	1.5	1114	T15
R865	Residence	607822	4750854	4.5	1132	T15
R868	Residence	608046	4750451	4.5	678	T15
R869	Residence	608262	4750475	4.5	677	T15
R870	Residence	608117	4748931	1.5	762	T26
R871	Residence	608129	4748827	4.5	848	T26
R872	Residence	608178	4747161	1.5	783	T8
R873	Church/Cmtry	605932	4750186	1.5	926	T19
R874	Residence	606274	4750424	4.5	937	T57
R875	Residence	606470	4750319	1.5	869	T30
R876	Residence	606392	4750588	1.5	741	T57
R877	Residence	606532	4750589	4.5	703	T57
R878	Residence	606614	4750374	1.5	846	T30
R879	Residence	606655	4750239	4.5	706	T30
R880	Residence	606868	4750533	4.5	781	T57
R882	Residence	606964	4750569	4.5	779	T57
R883	Residence	606945	4750475	1.5	860	T57
R886	Residence	607150	4750896	4.5	632	T57
R887	Residence	607477	4751095	4.5	848	T57
R888	Residence	608625	4751083	4.5	1305	T49
R889	Residence	608648	4750939	1.5	1159	T49
R890	Residence	608874	4751026	4.5	1201	T50
R891	Residence	608719	4751015	1.5	1228	T50
R892	Residence	608867	4750841	4.5	1021	T50
R893	Residence	608936	4750785	1.5	953	T50
R894	Residence	609171	4750746	1.5	905	T50
R895	Residence	609351	4750635	1.5	832	T50
R896	Residence	609266	4750494	1.5	673	T50
R897	Residence	609365	4750498	1.5	709	T50
R898	Residence	609524	4750414	1.5	715	T50
R899	Residence	609517	4750539	1.5	815	T50

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R900	Residence	609554	4750520	1.5	819	T50
R902	Residence	609624	4750505	1.5	849	T50
R903	Residence	609656	4750494	1.5	861	T50
R904	Residence	609612	4750387	1.5	752	T50
R905	Residence	609654	4750388	1.5	782	T50
R906	Residence	609692	4750478	1.5	873	T50
R907	Residence	609720	4750473	1.5	889	T50
R908	Residence	609780	4750444	4.5	913	T50
R910	Residence	609777	4750312	1.5	830	T50
R911	Residence	609830	4750284	1.5	860	T50
R912	Residence	609968	4750396	1.5	1036	T50
R913	Residence	610062	4750341	4.5	1090	T50
R914	Residence	609991	4750273	4.5	997	T50
R916	Residence	610412	4750483	1.5	1467	T50
R917	Residence	610294	4750489	1.5	1365	T50
R918	Residence	610213	4750494	1.5	1296	T50
R919	Residence	610160	4750530	1.5	1270	T50
R920	Residence	610169	4750683	1.5	1366	T50
R921	Residence	610195	4750732	1.5	1416	T50
R922	Residence	610420	4750126	1.5	1358	T50
R923	Residence	610467	4750108	1.5	1401	T50
R924	Residence	610547	4749998	4.5	1464	T50
R925	Residence	610547	4749938	1.5	1459	T50
R926	Residence	610553	4749870	1.5	1462	T50
R927	Residence	610550	4749791	4.5	1459	T50
R928	Residence	610552	4749729	4.5	1465	T50
R929	Residence	610548	4749621	4.5	1473	T50
R930	Residence	610461	4749553	1.5	1400	T50
R931	Residence	610344	4749510	1.5	1296	T50
R932	Residence	610271	4749473	1.5	1236	T50
R969	Residence	613187	4748438	1.5	1211	T59
R970	Residence	613194	4747795	4.5	971	T67
R971	Residence	613199	4747089	4.5	1106	T67
R972	Residence	613121	4746541	4.5	1405	T67
R978	Residence	613371	4747303	1.5	1046	T61
R979	Residence	605950	4748034	4.5	910	T6
R980	Residence	606095	4748176	1.5	953	T6
R981	Residence	606306	4748111	4.5	818	T6
R982	Residence	606361	4748354	4.5	1014	T19
R983	Residence	606476	4748366	1.5	1008	T19
R984	Residence	606560	4748374	4.5	1012	T19
R985	Residence	606619	4748371	4.5	1028	T19
R986	Residence	606668	4748301	1.5	967	T69
R987	Residence	606714	4748336	1.5	990	T69
R989	Residence	606762	4748554	4.5	905	T19
R990	Residence	607080	4748357	4.5	933	T8
R991	Residence	607125	4748380	4.5	936	T8
R992	Residence	607502	4748512	4.5	972	T26
R993	Residence	607761	4748791	1.5	711	T26
R998	Residence	608830	4748944	1.5	843	T49
R1001	Residence	609162	4749051	1.5	796	T50
R1003	Residence	609297	4749108	1.5	764	T50
R1004	Residence	609463	4749232	1.5	716	T50
R1005	Residence	609493	4749245	1.5	721	T50
R1006	Residence	609512	4749020	4.5	925	T50
R1007	Residence	609528	4749353	4.5	657	T50
R1008	Residence	609764	4749241	4.5	903	T50
R1009	Residence	609792	4749331	1.5	868	T50
R1010	Residence	609897	4749365	1.5	937	T50
R1011	Residence	610003	4749425	1.5	1003	T50
R1012	Residence	609989	4749239	4.5	1082	T50

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R1013	Residence	610252	4749464	1.5	1221	T50
R1014	Residence	610399	4749434	1.5	1370	T50
R1015	Residence	610498	4749473	1.5	1455	T50
R1030	Residence	612873	4747259	1.5	738	T67
R1031	Residence	612903	4747387	4.5	710	T67
R1032	Residence	612591	4746399	4.5	1284	T67
R1034	Residence	612134	4746446	4.5	1015	T66
R1035	Residence	612390	4746253	4.5	1299	T66
R1036	Residence	611789	4746055	4.5	1334	T66
R1037	Residence	611689	4746520	1.5	871	T66
R1039	Residence	611370	4746205	4.5	1203	T65
R1040	Residence	611203	4746212	1.5	1222	T65
R1041	Residence	610774	4746293	1.5	1315	T65
R1042	Residence	610778	4746188	4.5	1403	T65
R1043	Residence	610706	4746267	4.5	1374	T65
R1054	Residence	611697	4748184	4.5	770	T67
R1055	Residence	611653	4748174	4.5	790	T65
R1057	Residence	611375	4748156	1.5	760	T65
R1058	Residence	611223	4748159	4.5	798	T65
R1059	Residence	610900	4748217	4.5	999	T65
R1060	Residence	610879	4748136	1.5	947	T65
R1061	Residence	610694	4748210	1.5	1126	T65
R1062	Residence	610713	4748000	1.5	971	T65
R1064	Residence	611651	4748966	4.5	1455	T67
R1065	Residence	611693	4748496	4.5	1019	T67
R1068	Residence	610785	4748664	1.5	1439	T65
R1069	Residence	610600	4748469	1.5	1382	T65
R1070	Residence	610603	4748036	4.5	1081	T65
R1071	Residence	610632	4747961	1.5	1015	T65
R1072	Residence	610632	4747923	1.5	994	T65
R1073	Residence	610618	4747891	4.5	990	T65
R1074	Residence	610440	4747686	1.5	1077	T65
R1075	Residence	610646	4747026	4.5	915	T65
R1076	Residence	610724	4747088	4.5	819	T65
R1078	Residence	610243	4747195	4.5	1254	T65
R1079	Residence	610188	4747321	4.5	1294	T65
R1080	Residence	609418	4747176	1.5	1203	T7
R1175	Residence	599409	4744277	1.5	1142	T9
R1176	Residence	599716	4744208	1.5	982	T9
R1177	Residence	599876	4744260	4.5	852	T9
R1178	Residence	599962	4744287	1.5	789	T9
R1179	Residence	600138	4744292	4.5	729	T9
R1197	Residence	600875	4744097	7.5	1080	T9
R1198	Residence	600965	4744203	1.5	1048	T9
R1199	Residence	601078	4744166	1.5	1145	T51
R1200	Residence	601100	4744309	1.5	1020	T51
R1201	Residence	601067	4744406	1.5	971	T51
R1202	Residence	601044	4744488	1.5	914	T9
R1203	Residence	601113	4744493	1.5	878	T51
R1204	Residence	601127	4744449	1.5	898	T51
R1205	Residence	601136	4744420	1.5	913	T51
R1206	Residence	601188	4744341	1.5	939	T51
R1207	Residence	601241	4744182	4.5	1042	T51
R1208	Residence	601327	4744200	4.5	986	T51
R1209	Residence	601484	4744221	1.5	907	T51
R1210	Residence	601710	4744383	1.5	703	T51
R1211	Residence	601690	4744287	1.5	801	T51
R1213	Residence	601857	4744360	1.5	731	T51
R1214	Residence	602243	4744481	1.5	772	T51
R1215	Residence	602178	4744501	1.5	717	T51
R1216	Residence	602296	4744506	1.5	787	T51

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R1217	Residence	602277	4744553	1.5	740	T51
R1218	Residence	602260	4744622	1.5	679	T51
R1219	Residence	602244	4744669	1.5	636	T51
R1220	Residence	602226	4744731	1.5	583	T51
R1221	Residence	602263	4744752	1.5	601	T51
R1222	Residence	602289	4744783	1.5	607	T51
R1223	Residence	602438	4744752	1.5	753	T51
R1224	Residence	602483	4744783	1.5	781	T51
R1225	Residence	602514	4744802	1.5	803	T51
R1226	Residence	602668	4744863	1.5	932	T5
R1227	Residence	602729	4744960	1.5	831	T5
R1228	Residence	602766	4744896	1.5	895	T5
R1229	Residence	602871	4744919	1.5	879	T5
R1230	Residence	602844	4745056	4.5	740	T5
R1231	Residence	602969	4744977	4.5	841	T5
R1232	Residence	603058	4745045	1.5	804	T5
R1235	Residence	603158	4745404	4.5	557	T5
R1236	Residence	603098	4745346	4.5	560	T5
R1237	Residence	603254	4745487	4.5	582	T5
R1238	Residence	603322	4745521	1.5	626	T5
R1239	Residence	603387	4745554	4.5	673	T5
R1240	Residence	603454	4745613	4.5	719	T5
R1241	Residence	603574	4745600	1.5	839	T5
R1242	Residence	603655	4745715	1.5	901	T5
R1243	Residence	603819	4745627	4.5	1074	T5
R1244	Residence	604015	4745594	1.5	1273	T5
R1245	Residence	604102	4745564	4.5	1364	T5
R1246	Residence	604234	4745536	1.5	1363	T2
R1247	Residence	604481	4745466	4.5	1297	T2
R1248	Residence	604624	4745332	1.5	1370	T2
R1249	Residence	604802	4745450	1.5	1211	T2
R1250	Residence	604848	4745463	4.5	1190	T2
R1251	Residence	605026	4745567	1.5	1072	T2
R1252	Residence	605147	4745724	1.5	921	T2
R1254	Residence	605312	4745909	4.5	780	T2
R1255	Residence	605350	4745949	1.5	758	T2
R1256	Residence	605478	4746020	1.5	761	T2
R1257	Residence	605596	4746099	1.5	778	T2
R1258	Residence	605657	4746168	1.5	780	T2
R1259	Residence	605705	4746214	1.5	793	T2
R1260	Residence	605865	4746245	1.5	918	T2
R1261	Residence	606016	4746262	1.5	1050	T2
R1262	Residence	606225	4746262	1.5	914	T3
R1263	Residence	606300	4746250	1.5	865	T3
R1264	Residence	606405	4746198	4.5	829	T3
R1265	Residence	606410	4746292	4.5	756	T3
R1266	Residence	606477	4746175	1.5	803	T3
R1268	Residence	599155	4744249	1.5	1363	T9
R1270	Residence	600618	4744281	7.5	794	T9
R1271	Residence	601121	4744241	1.5	1059	T51
R1272	Residence	601162	4744445	1.5	877	T51
R1273	Residence	601149	4744482	1.5	859	T51
R1274	Residence	601765	4744383	4.5	702	T51
R1275	Residence	602403	4744730	1.5	732	T51
R1276	Residence	602348	4744693	1.5	705	T51
R1277	Residence	602591	4744824	1.5	869	T51
R1278	Residence	603032	4744949	1.5	885	T5
R1280	Residence	604339	4745437	1.5	1388	T2
R1281	Residence	610543	4750080	1.5	1471	T50
R1284	Residence	612396	4748190	4.5	579	T67
R1287	Residence	610389	4749526	4.5	1336	T50

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R1288	Residence	610307	4749494	4.5	1265	T50
R1289	Residence	607360	4748447	1.5	942	T8
R1290	Residence	607465	4748505	4.5	983	T26
R1291	Residence	604283	4747531	4.5	789	T4
R1292	Church	604071	4747354	1.5	868	T4
R1293	Residence	604013	4747337	1.5	915	T11
R1294	Residence	603883	4747383	1.5	804	T11
R1295	Cemetery	603036	4746963	1.5	755	T21
R1296	Residence	602136	4746629	1.5	651	T21
R1297	Residence	602077	4746608	1.5	692	T21
R1298	Residence	601257	4746362	1.5	781	T12
R1299	Residence	600884	4746644	4.5	748	T55
R1300	Residence	599816	4745925	1.5	817	T55
R1301	Residence	599520	4745846	4.5	1034	T55
R1317	Residence	596911	4748474	4.5	203	MV47
R1318	Residence	600507	4749685	1.5	703	T42
R1319	Cemetery	600949	4749831	1.5	787	T42
R1320	Residence	601254	4749900	1.5	994	T42
R1321	Residence	602258	4750261	1.5	865	T38
R1322	Residence	607521	4750401	4.5	922	T26
R1323	Residence	608448	4750798	4.5	1023	T15
R1324	Residence	610503	4750088	1.5	1432	T50
R1339	Residence	597745	4751805	4.5	1329	MV1
R1340	Residence	596752	4751619	4.5	1214	MV7
R1341	Residence	595975	4751290	4.5	1170	MV24
R1342	Cemetery	595363	4751782	1.5	718	T13
R1345	Residence	591163	4755213	1.5	1288	T36
R1346	Residence	589647	4754869	4.5	714	T33
R1347	Residence	589576	4754708	4.5	815	T34
R1348	Residence	589652	4754718	1.5	808	T34
R1349	Residence	589456	4754653	1.5	804	T34
R1350	Residence	589245	4754583	1.5	857	T34
R1351	Residence	588735	4754408	1.5	1161	T34
R1352	Residence	588699	4754321	4.5	1153	T18
R1353	Residence	587667	4753972	1.5	587	T18
R1355	Residence	590165	4752841	1.5	1042	T45
R1356	Residence	591819	4753796	4.5	1426	T41
R1357	Residence	592526	4751432	1.5	1363	T23
R1358	Church	592623	4751296	1.5	1484	T23
R1359	Residence	592604	4751223	4.5	1458	T24
R1360	Cemetery	592721	4750979	1.5	1257	T24
R1361	Residence	592713	4750884	4.5	1166	T24
R1362	Residence	596041	4748115	1.5	607	MV37
R1363	Residence	605436	4749676	4.5	979	T19
R1365	Residence	604691	4746151	4.5	597	T2
R1366	Residence	604172	4747645	1.5	821	T11
R1367	Residence	604214	4747808	4.5	788	T11
R1368	Residence	599891	4744541	4.5	611	T9
R1369	Residence	597557	4748243	4.5	213	MV55
R1373	Cemetery	593234	4749040	1.5	784	T20
R1374	Residence	591967	4748965	4.5	784	T20
R1375	Residence	595224	4750337	1.5	872	MV29
R1377	Residence	590824	4750807	4.5	899	T23
R1378	Residence	588798	4754249	1.5	1044	T34
R2137	Residence	588682	4749437	1.5	1400	T58
R2148	Residence	588903	4749463	4.5	1223	T58
R2152	Residence	589043	4749522	4.5	1087	T58
R2153	Residence	589092	4749617	4.5	982	T58
R2159	Residence	589173	4749645	4.5	909	T58
R2164	Residence	589226	4749361	4.5	1122	T58
R2165	Residence	589246	4749008	4.5	1438	T58

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R2170	Residence	589274	4749259	1.5	1194	T58
R2171	Residence	589275	4748942	1.5	1492	T58
R2179	Residence	589339	4748971	4.5	1445	T58
R2552	Residence	587708	4752727	1.5	761	T18
R2565	Residence	588941	4756653	1.5	1252	T33
R2566	Residence	589212	4756734	1.5	1212	T33
R2567	Residence	589214	4756612	4.5	1096	T33
R2568	Residence	589438	4756707	4.5	1095	T36
R2569	Residence	590273	4756764	1.5	1034	T36
R2575	Residence	590669	4756914	1.5	1329	T36
R2593	Residence	588815	4754488	1.5	1127	T34
R2594	Residence	588810	4754529	4.5	1153	T34
R2595	Residence	588804	4754551	4.5	1170	T34
R2596	Residence	588812	4754658	4.5	1205	T33
R2597	Residence	588740	4754708	1.5	1217	T33
R2598	Residence	588806	4754705	1.5	1174	T33
R2599	Residence	588802	4754729	4.5	1159	T33
R2600	Residence	588742	4754750	1.5	1185	T33
R2601	Residence	588810	4754778	1.5	1118	T33
R2602	Residence	588798	4754846	1.5	1079	T33
R2603	Residence	588798	4754888	1.5	1050	T33
R2604	Residence	588794	4754938	1.5	1021	T33
R2605	Residence	588807	4754968	1.5	992	T33
R2606	Residence	588727	4754995	1.5	1041	T33
R2607	Residence	588721	4755021	4.5	1032	T33
R2608	Residence	588723	4755058	1.5	1010	T33
R2609	Residence	589079	4755160	4.5	660	T33
R2610	Residence	588746	4755190	4.5	928	T33
R2611	Residence	588563	4755681	1.5	1029	T33
R2612	Residence	590660	4755225	1.5	854	T36
R2613	Residence	591118	4755577	1.5	1134	T36
R2614	Residence	590790	4755825	1.5	793	T36
R2615	Residence	590763	4756039	1.5	811	T36
R2616	Residence	591052	4756107	1.5	1106	T36
R2617	Residence	590733	4756216	4.5	860	T36
R2618	Residence	590584	4756621	1.5	1035	T36
R2684	Residence	595503	4752598	1.5	1290	T13
R2769	Residence	600698	4752432	1.5	1477	T22
R2770	Residence	600746	4752435	1.5	1445	T22
R2853	Residence	613529	4749080	4.5	1267	T59
R2854	Residence	613588	4749067	4.5	1220	T59
R2855	Residence	613637	4749067	1.5	1190	T59
R2856	Residence	613678	4749065	4.5	1164	T59
R2857	Residence	613945	4748917	4.5	898	T59
R2858	Residence	614063	4749005	4.5	933	T59
R2859	Residence	613872	4749378	1.5	1349	T59
R2860	Residence	614031	4749116	1.5	1049	T59
R2861	Residence	614103	4749005	4.5	922	T59
R2862	Residence	614273	4748963	1.5	848	T59
R2863	Residence	614749	4748859	4.5	686	T62
R2864	Residence	614999	4749000	4.5	883	T62
R2865	Residence	615167	4748954	1.5	917	T62
R2866	Residence	615288	4748965	1.5	996	T62
R2867	Residence	615377	4748975	4.5	1060	T62
R2868	Residence	615424	4748867	1.5	1015	T62
R2869	Residence	615505	4748906	1.5	1101	T62
R2870	Residence	615561	4748928	1.5	1158	T62
R2871	Residence	615617	4748915	1.5	1193	T62
R2872	Residence	615664	4748908	1.5	1226	T62
R2873	Residence	615684	4748912	1.5	1244	T62
R2874	Residence	615695	4748911	1.5	1253	T62

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R2875	Residence	615710	4748901	4.5	1259	T62
R2876	Residence	615895	4748840	4.5	1384	T62
R2877	Residence	615297	4748729	1.5	828	T62
R2878	Residence	615337	4748686	4.5	831	T62
R2879	Residence	615393	4748706	1.5	888	T62
R2880	Residence	615299	4748591	1.5	745	T62
R2881	Residence	615856	4748359	1.5	1190	T62
R2884	Residence	615606	4747479	1.5	632	T60
R2885	Residence	615610	4747398	4.5	640	T60
R2886	Residence	615621	4747295	4.5	670	T60
R2887	Residence	615643	4747237	4.5	708	T60
R2888	Residence	615774	4747076	1.5	891	T60
R2889	Residence	615656	4747090	4.5	780	T60
R2890	Residence	615529	4747019	4.5	715	T60
R2891	Residence	615689	4746946	4.5	886	T60
R2892	Residence	615464	4746917	4.5	738	T60
R2893	Residence	615600	4746866	4.5	869	T60
R2894	Residence	615600	4746842	1.5	886	T60
R2895	Residence	615601	4746820	4.5	903	T60
R2896	Residence	615596	4746793	1.5	919	T60
R2897	Residence	615702	4746644	1.5	1101	T60
R2898	Residence	615664	4746580	1.5	1126	T60
R2899	Residence	615667	4746533	4.5	1165	T60
R2900	Residence	615687	4746450	1.5	1244	T60
R2901	Residence	615733	4746435	1.5	1283	T60
R2902	Residence	615835	4746424	4.5	1354	T60
R2903	Residence	615865	4746425	1.5	1373	T60
R2904	Residence	615888	4746426	1.5	1387	T60
R2905	Residence	615923	4746373	4.5	1450	T60
R2906	Residence	615855	4746372	1.5	1407	T60
R2907	Residence	615793	4746370	4.5	1371	T60
R2908	Residence	615760	4746367	4.5	1354	T60
R2909	Residence	615672	4746322	1.5	1343	T60
R2910	Residence	615671	4746337	1.5	1330	T60
R2935	Residence	615678	4746194	4.5	1457	T60
R2936	Residence	615587	4746151	1.5	1454	T60
R2940	Residence	613986	4746292	4.5	1269	T64
R2941	Residence	613795	4746445	4.5	1274	T64
R2942	Residence	614963	4745971	1.5	1391	T64
R2943	Residence	615452	4746047	4.5	1491	T64
R2944	Residence	615317	4745999	4.5	1472	T64
R2945	Residence	615270	4745990	4.5	1461	T64
R2946	Residence	615201	4745982	4.5	1443	T64
R2947	Residence	615163	4745975	4.5	1437	T64
R2948	Residence	615119	4745996	1.5	1404	T64
R2949	Residence	615096	4745995	4.5	1398	T64
R2950	Residence	615048	4745956	1.5	1423	T64
R2951	Residence	614948	4745893	4.5	1465	T64
R2956	Residence	608109	4746658	4.5	782	T54
R2957	Residence	608357	4746426	1.5	987	T54
R2958	Residence	608707	4746214	1.5	1349	T54
R2962	Residence	608466	4746128	1.5	1129	T54
R2963	Residence	608468	4746035	1.5	1157	T54
R2967	Residence	608397	4745331	1.5	1482	T54
R2968	Residence	608356	4745336	1.5	1450	T54
R2969	Residence	608246	4745395	1.5	1333	T54
R2970	Residence	608217	4745386	1.5	1321	T54
R2971	Residence	608188	4745388	4.5	1301	T54
R2972	Residence	608153	4745370	1.5	1293	T54
R2973	Residence	608115	4745295	1.5	1332	T54
R2974	Residence	608037	4745283	1.5	1300	T54

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
R2975	Residence	607980	4745339	1.5	1223	T54
R2976	Residence	607928	4745334	1.5	1203	T54
R2977	Residence	607872	4745339	1.5	1173	T54
R2978	Residence	607883	4745386	1.5	1136	T54
R2979	Residence	607840	4745404	1.5	1101	T54
R2980	Residence	607820	4745429	1.5	1070	T54
R2981	Residence	607764	4745429	4.5	1047	T54
R2982	Residence	607770	4745508	1.5	977	T54
R2983	Residence	607746	4745554	1.5	925	T54
R2984	Residence	607808	4745565	1.5	942	T54
R2985	Residence	607910	4745549	1.5	1007	T54
R2986	Residence	608224	4745693	4.5	1108	T54
R2987	Residence	607921	4745639	1.5	939	T54
R2988	Residence	607591	4745688	1.5	745	T54
R2989	Residence	607682	4745524	4.5	929	T54
R2990	Residence	607517	4745553	4.5	859	T54
R2991	Residence	607451	4745579	4.5	824	T54
R2992	Residence	607395	4745606	1.5	794	T54
R2993	Residence	607326	4745633	4.5	768	T54
R2994	Residence	607299	4745645	4.5	758	T54
R2996	Residence	607205	4745687	1.5	731	T54
R2999	Residence	607008	4745773	1.5	723	T54
R3000	Residence	606972	4745819	4.5	704	T54
R3001	Residence	606899	4745850	1.5	724	T54
R3003	Residence	606820	4745928	1.5	724	T54
R3004	Residence	606775	4745949	4.5	746	T54
R3005	Residence	606662	4746033	4.5	797	T54
R3006	Residence	606613	4746055	1.5	831	T54
R3007	Residence	606553	4746136	1.5	795	T3
R3008	Residence	606535	4746146	1.5	795	T3
R3009	Residence	606506	4746153	1.5	805	T3
R3010	Residence	613716	4747311	4.5	741	T61
R3011	Residence	601417	4749222	1.5	779	T68
R3013	Residence	615577	4748915	4.5	1162	T62
R3014	Residence	615728	4748912	1.5	1280	T62
R3015	Residence	615753	4748897	4.5	1292	T62
R3016	Residence	615773	4748872	1.5	1295	T62
R3018	Residence	615756	4747640	1.5	800	T60
R3019	Residence	615777	4747519	1.5	804	T60
R3020	Residence	615852	4747405	1.5	880	T60
R3021	Residence	615672	4746299	1.5	1363	T60
R3022	Residence	615760	4746302	1.5	1407	T60
R3023	Residence	615682	4746169	1.5	1481	T60
R3025	Residence	615736	4746367	4.5	1340	T60
R3026	Residence	615688	4746361	1.5	1318	T60
R3027	Residence	615886	4746376	4.5	1424	T60
R3028	Residence	615835	4746370	4.5	1396	T60
R3029	Residence	615766	4746436	1.5	1302	T60
R3030	Residence	615719	4746356	4.5	1340	T60
R3033	Residence	608170	4745381	1.5	1295	T54
R3034	Residence	607908	4745282	1.5	1240	T54
R3035	Residence	608261	4745509	1.5	1260	T54
R3036	Residence	608196	4745517	1.5	1209	T54
R3037	Residence	608143	4745527	1.5	1166	T54
R3038	Residence	607059	4745739	1.5	730	T54
R3039	Residence	607166	4745702	4.5	727	T54
R3052	Residence	613935	4749444	1.5	1390	T59
V3107	Vacant Lot	586528	4753574	4.5	1418	T18
V3108	Vacant Lot	586490	4753681	4.5	1468	T18
V3109	Vacant Lot	586905	4753806	4.5	1094	T18
V3111	Vacant Lot	586864	4753959	4.5	1190	T18

Table C.01: Points of Reception Location Table

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment Page 16 of 23
 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3112	Vacant Lot	587194	4753907	4.5	874	T18
V3113	Vacant Lot	587295	4753938	4.5	808	T18
V3114	Vacant Lot	587402	4753970	4.5	747	T18
V3115	Vacant Lot	587547	4754014	4.5	686	T18
V3126	Vacant Lot	587943	4754290	4.5	838	T18
V3127	Vacant Lot	587999	4754328	4.5	877	T18
V3133	Vacant Lot	588144	4755218	4.5	1488	T33
V3134	Vacant Lot	588380	4754473	4.5	1111	T18
V3135	Vacant Lot	588540	4754561	4.5	1260	T18
V3136	Vacant Lot	588424	4754306	4.5	981	T18
V3137	Vacant Lot	588486	4754331	4.5	1034	T18
V3138	Vacant Lot	588609	4754372	4.5	1136	T18
V3139	Vacant Lot	588713	4754507	4.5	1226	T34
V3140	Vacant Lot	588774	4754457	4.5	1148	T34
V3141	Vacant Lot	588779	4754475	4.5	1152	T34
V3142	Vacant Lot	588773	4754560	4.5	1201	T34
V3143	Vacant Lot	588764	4754692	4.5	1212	T33
V3145	Vacant Lot	588589	4756423	4.5	1306	T33
V3146	Vacant Lot	588501	4755505	4.5	1089	T33
V3147	Vacant Lot	588802	4754759	4.5	1137	T33
V3148	Vacant Lot	588817	4754575	4.5	1172	T34
V3149	Vacant Lot	588949	4754485	4.5	1012	T34
V3150	Vacant Lot	589216	4754570	4.5	866	T34
V3151	Vacant Lot	588787	4755006	4.5	986	T33
V3152	Vacant Lot	588601	4755632	4.5	988	T33
V3153	Vacant Lot	588890	4756550	4.5	1194	T33
V3154	Vacant Lot	589013	4756578	4.5	1150	T33
V3155	Vacant Lot	589489	4754932	4.5	656	T33
V3159	Vacant Lot	590559	4755408	4.5	664	T36
V3160	Vacant Lot	590679	4755497	4.5	731	T36
V3162	Vacant Lot	590361	4754983	4.5	862	T36
V3163	Vacant Lot	589843	4756845	4.5	1090	T36
V3164	Vacant Lot	590780	4755123	4.5	1011	T36
V3165	Vacant Lot	590953	4755198	4.5	1110	T36
V3170	Vacant Lot	590802	4756254	4.5	939	T36
V3174	Vacant Lot	587356	4752313	4.5	1280	T18
V3176	Vacant Lot	587510	4753911	4.5	629	T18
V3177	Vacant Lot	588482	4753930	4.5	721	T18
V3178	Vacant Lot	588444	4754225	4.5	922	T18
V3179	Vacant Lot	588762	4754335	4.5	1108	T34
V3180	Vacant Lot	588834	4754358	4.5	1051	T34
V3181	Vacant Lot	589005	4754421	4.5	930	T34
V3182	Vacant Lot	589184	4754484	4.5	827	T34
V3183	Vacant Lot	589977	4752697	4.5	1052	T46
V3185	Vacant Lot	590234	4752801	4.5	1025	T46
V3186	Vacant Lot	590423	4752873	4.5	1006	T41
V3187	Vacant Lot	590747	4754854	4.5	1036	T41
V3188	Vacant Lot	591441	4754382	4.5	1160	T41
V3219	Vacant Lot	587528	4751998	4.5	1352	T43
V3230	Vacant Lot	588430	4751844	4.5	1127	T43
V3231	Vacant Lot	588546	4751492	4.5	1481	T43
V3232	Vacant Lot	589505	4751338	4.5	1002	T58
V3234	Vacant Lot	590825	4752906	4.5	815	T28
V3236	Vacant Lot	591353	4751008	4.5	650	T23
V3237	Vacant Lot	591067	4750904	4.5	738	T23
V3239	Vacant Lot	591812	4751187	4.5	775	T23
V3240	Vacant Lot	592532	4751382	4.5	1377	T23
V3241	Vacant Lot	592561	4751482	4.5	1391	T23
V3242	Vacant Lot	592547	4751521	4.5	1373	T23
V3243	Vacant Lot	592647	4751419	4.5	1484	T23
V3246	Vacant Lot	593273	4752004	4.5	1442	T13

Table C.01: Points of Reception Location Table

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment Page 17 of 23
 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3250	Vacant Lot	593429	4751603	4.5	1234	T13
V3255	Vacant Lot	592610	4751361	4.5	1457	T23
V3257	Vacant Lot	592682	4751131	4.5	1389	T24
V3258	Vacant Lot	592731	4750960	4.5	1243	T24
V3259	Vacant Lot	592896	4750804	4.5	1176	T24
V3260	Vacant Lot	592979	4750982	4.5	1242	T48
V3261	Vacant Lot	592884	4750727	4.5	1104	T24
V3262	Vacant Lot	593797	4751418	4.5	888	T13
V3263	Vacant Lot	593882	4751374	4.5	818	T13
V3264	Vacant Lot	594181	4751121	4.5	618	T48
V3267	Vacant Lot	593105	4749915	4.5	698	T20
V3268	Vacant Lot	592940	4750403	4.5	891	T24
V3269	Vacant Lot	592907	4750480	4.5	922	T24
V3270	Vacant Lot	592921	4750425	4.5	893	T24
V3271	Vacant Lot	592612	4751188	4.5	1426	T24
V3272	Vacant Lot	592506	4751324	4.5	1363	T23
V3273	Vacant Lot	592025	4751144	4.5	978	T23
V3274	Vacant Lot	592896	4750271	4.5	773	T24
V3275	Vacant Lot	592947	4750177	4.5	763	T24
V3276	Vacant Lot	593143	4749588	4.5	583	T20
V3277	Vacant Lot	593067	4749112	4.5	606	T20
V3278	Vacant Lot	591409	4750936	4.5	735	T23
V3279	Vacant Lot	591004	4750800	4.5	851	T23
V3280	Vacant Lot	590762	4750637	4.5	1065	T58
V3281	Vacant Lot	590994	4750030	4.5	1303	T58
V3282	Vacant Lot	591214	4750093	4.5	1108	T24
V3283	Vacant Lot	591585	4750172	4.5	790	T24
V3284	Vacant Lot	591563	4750071	4.5	769	T24
V3285	Vacant Lot	591409	4750027	4.5	902	T24
V3286	Vacant Lot	593767	4749313	4.5	872	T16
V3287	Vacant Lot	593827	4749282	4.5	856	T10
V3288	Vacant Lot	593723	4749232	4.5	835	T10
V3305	Vacant Lot	588322	4750772	4.5	1469	T58
V3306	Vacant Lot	588828	4750882	4.5	1043	T58
V3307	Vacant Lot	589400	4751033	4.5	749	T58
V3308	Vacant Lot	590186	4750913	4.5	713	T58
V3309	Vacant Lot	590218	4749870	4.5	690	T58
V3311	Vacant Lot	589781	4749791	4.5	573	T58
V3312	Vacant Lot	589262	4749665	4.5	841	T58
V3313	Vacant Lot	588916	4750219	4.5	829	T58
V3336	Vacant Lot	589201	4749155	4.5	1319	T58
V3341	Vacant Lot	589817	4749680	4.5	687	T58
V3342	Vacant Lot	590138	4749752	4.5	732	T58
V3347	Vacant Lot	595482	4748523	4.5	926	MV36
V3348	Vacant Lot	595413	4748227	4.5	1072	MV36
V3349	Vacant Lot	594881	4748711	4.5	926	T10
V3350	Vacant Lot	594752	4748070	4.5	844	T10
V3351	Vacant Lot	593844	4749180	4.5	753	T10
V3352	Vacant Lot	593699	4747815	4.5	692	T10
V3353	Vacant Lot	593319	4747753	4.5	964	T10
V3354	Vacant Lot	592175	4748809	4.5	765	T20
V3355	Vacant Lot	591807	4748711	4.5	1073	T20
V3409	Vacant Lot	597181	4747262	4.5	1017	MV55
V3410	Vacant Lot	598492	4746964	4.5	970	T17
V3411	Vacant Lot	598957	4746731	4.5	1180	T55
V3477	Vacant Lot	599117	4745727	4.5	1377	T9
V3478	Vacant Lot	599243	4745293	4.5	1085	T9
V3479	Vacant Lot	599377	4744253	4.5	1182	T9
V3480	Vacant Lot	599267	4744245	4.5	1274	T9
V3481	Vacant Lot	599699	4745877	4.5	911	T55
V3482	Vacant Lot	600167	4744381	4.5	636	T9

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3484	Vacant Lot	599482	4746490	4.5	680	T55
V3485	Vacant Lot	599668	4746369	4.5	560	T55
V3486	Vacant Lot	599788	4745994	4.5	766	T55
V3487	Vacant Lot	600450	4745951	4.5	790	T55
V3488	Vacant Lot	601393	4744317	4.5	852	T51
V3489	Vacant Lot	596786	4751735	4.5	1310	MV7
V3490	Vacant Lot	596829	4751733	4.5	1294	MV7
V3491	Vacant Lot	596918	4751722	4.5	1259	MV7
V3492	Vacant Lot	596937	4751733	4.5	1265	MV7
V3493	Vacant Lot	596967	4751733	4.5	1258	MV7
V3494	Vacant Lot	597003	4751733	4.5	1251	MV7
V3495	Vacant Lot	597036	4751743	4.5	1255	MV7
V3496	Vacant Lot	597077	4751747	4.5	1254	MV7
V3497	Vacant Lot	597107	4751757	4.5	1260	MV7
V3498	Vacant Lot	597145	4751757	4.5	1257	MV7
V3499	Vacant Lot	597189	4751777	4.5	1275	MV7
V3500	Vacant Lot	597450	4751798	4.5	1296	MV4
V3501	Vacant Lot	597920	4751810	4.5	1339	MV1
V3502	Vacant Lot	597954	4751831	4.5	1364	MV1
V3503	Vacant Lot	597989	4751831	4.5	1368	MV1
V3504	Vacant Lot	597990	4751785	4.5	1323	MV1
V3505	Vacant Lot	598047	4751832	4.5	1379	MV1
V3506	Vacant Lot	598078	4751851	4.5	1403	MV1
V3507	Vacant Lot	598111	4751864	4.5	1423	MV1
V3508	Vacant Lot	598386	4751724	4.5	1380	MV1
V3510	Vacant Lot	598481	4751774	4.5	1452	T56
V3511	Vacant Lot	598503	4751793	4.5	1468	T56
V3522	Vacant Lot	600363	4751770	4.5	1361	T29
V3526	Vacant Lot	601301	4751759	4.5	578	T22
V3527	Vacant Lot	601528	4751911	4.5	558	T22
V3528	Vacant Lot	601754	4751992	4.5	591	T22
V3531	Vacant Lot	602763	4752257	4.5	1321	T22
V3545	Vacant Lot	606828	4752627	4.5	1355	T57
V3546	Vacant Lot	607120	4752706	4.5	1498	T57
V3559	Vacant Lot	608478	4751153	4.5	1377	T15
V3560	Vacant Lot	608563	4751134	4.5	1362	T49
V3561	Vacant Lot	608968	4751172	4.5	1333	T50
V3562	Vacant Lot	608682	4751027	4.5	1244	T49
V3563	Vacant Lot	608544	4751046	4.5	1278	T49
V3566	Vacant Lot	608010	4751757	4.5	1440	T57
V3567	Vacant Lot	608016	4751697	4.5	1427	T57
V3568	Vacant Lot	608019	4751493	4.5	1385	T57
V3569	Vacant Lot	608028	4751269	4.5	1378	T57
V3570	Vacant Lot	608054	4750892	4.5	1108	T15
V3571	Vacant Lot	608019	4750870	4.5	1092	T15
V3572	Vacant Lot	607874	4750842	4.5	1103	T15
V3573	Vacant Lot	607797	4750827	4.5	1117	T15
V3574	Vacant Lot	607763	4750816	4.5	1120	T15
V3575	Vacant Lot	607716	4750805	4.5	1131	T15
V3576	Vacant Lot	607681	4750791	4.5	1135	T15
V3577	Vacant Lot	608968	4750773	4.5	937	T50
V3578	Vacant Lot	609060	4750719	4.5	875	T50
V3579	Vacant Lot	609685	4750380	4.5	800	T50
V3580	Vacant Lot	609723	4750367	4.5	820	T50
V3581	Vacant Lot	609798	4750358	4.5	874	T50
V3582	Vacant Lot	610216	4750194	4.5	1178	T50
V3583	Vacant Lot	610485	4750096	4.5	1416	T50
V3584	Vacant Lot	610570	4750069	4.5	1496	T50
V3585	Vacant Lot	607203	4752632	4.5	1457	T57
V3586	Vacant Lot	606974	4752557	4.5	1314	T57
V3587	Vacant Lot	606826	4752510	4.5	1239	T57

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3588	Vacant Lot	606804	4752566	4.5	1292	T57
V3589	Vacant Lot	606747	4752554	4.5	1274	T57
V3590	Vacant Lot	606273	4752566	4.5	1337	T57
V3591	Vacant Lot	605600	4752088	4.5	1323	T57
V3592	Vacant Lot	606358	4752321	4.5	1078	T57
V3595	Vacant Lot	606744	4752484	4.5	1204	T57
V3597	Vacant Lot	606999	4750479	4.5	876	T57
V3604	Vacant Lot	603069	4751777	4.5	1365	T22
V3605	Vacant Lot	602897	4751799	4.5	1208	T22
V3606	Vacant Lot	603299	4751252	4.5	1370	T14
V3607	Vacant Lot	603689	4750894	4.5	886	T14
V3608	Vacant Lot	603833	4750799	4.5	761	T14
V3610	Vacant Lot	602673	4751777	4.5	991	T22
V3611	Vacant Lot	602337	4751816	4.5	713	T22
V3614	Vacant Lot	602837	4751535	4.5	1089	T22
V3615	Vacant Lot	603063	4750878	4.5	1216	T14
V3616	Vacant Lot	602628	4750924	4.5	993	T22
V3619	Vacant Lot	602082	4750303	4.5	986	T38
V3620	Vacant Lot	601576	4750202	4.5	1207	T42
V3621	Vacant Lot	601278	4750142	4.5	927	T42
V3622	Vacant Lot	600325	4751680	4.5	1264	T29
V3623	Vacant Lot	600397	4751095	4.5	718	T42
V3628	Vacant Lot	599373	4751554	4.5	1238	T29
V3634	Vacant Lot	598156	4751576	4.5	1157	MV1
V3637	Vacant Lot	599530	4751482	4.5	1105	T29
V3638	Vacant Lot	599407	4751434	4.5	1117	T29
V3642	Vacant Lot	598741	4751245	4.5	912	T56
V3646	Vacant Lot	598290	4751031	4.5	743	MV1
V3649	Vacant Lot	598552	4749102	4.5	624	MV65
V3654	Vacant Lot	597727	4751001	4.5	529	MV1
V3655	Vacant Lot	597416	4750900	4.5	398	MV4
V3656	Vacant Lot	596554	4750947	4.5	671	MV16
V3657	Vacant Lot	596284	4750543	4.5	397	MV24
V3658	Vacant Lot	595743	4750638	4.5	693	MV24
V3664	Vacant Lot	595963	4748368	4.5	518	MV36
V3669	Vacant Lot	598736	4747048	4.5	878	T17
V3671	Vacant Lot	599327	4747243	4.5	861	T52
V3677	Vacant Lot	600421	4749518	4.5	859	T42
V3678	Vacant Lot	600786	4749707	4.5	782	T42
V3679	Vacant Lot	600853	4749829	4.5	723	T42
V3682	Vacant Lot	601314	4748230	4.5	1021	T53
V3686	Vacant Lot	602481	4750359	4.5	811	T35
V3689	Vacant Lot	603036	4750537	4.5	898	T35
V3693	Vacant Lot	603269	4750607	4.5	882	T14
V3697	Vacant Lot	605042	4749217	4.5	895	T40
V3698	Vacant Lot	605558	4749487	4.5	816	T19
V3699	Vacant Lot	605413	4750474	4.5	673	T47
V3703	Vacant Lot	606570	4750317	4.5	815	T30
V3704	Vacant Lot	605759	4749022	4.5	698	T19
V3705	Vacant Lot	607230	4748519	4.5	1026	T26
V3707	Vacant Lot	607664	4748726	4.5	758	T26
V3712	Vacant Lot	615711	4748835	4.5	1223	T62
V3713	Vacant Lot	614127	4749017	4.5	927	T59
V3714	Vacant Lot	613703	4749055	4.5	1141	T59
V3715	Vacant Lot	615494	4748209	4.5	814	T62
V3716	Vacant Lot	615547	4748029	4.5	800	T60
V3717	Vacant Lot	613165	4748071	4.5	1027	T67
V3718	Vacant Lot	613096	4747923	4.5	907	T67
V3719	Vacant Lot	613046	4748467	4.5	1162	T67
V3722	Vacant Lot	611722	4748263	4.5	813	T67
V3747	Vacant Lot	610542	4749505	4.5	1490	T50

Table C.01: Points of Reception Location Table

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Project Number: 14284.00

Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3749	Vacant Lot	610468	4749471	4.5	1426	T50
V3750	Vacant Lot	610443	4749458	4.5	1406	T50
V3751	Vacant Lot	610697	4748454	4.5	1310	T65
V3752	Vacant Lot	610597	4748429	4.5	1353	T65
V3753	Vacant Lot	611628	4748250	4.5	859	T65
V3754	Vacant Lot	609830	4749352	4.5	887	T50
V3755	Vacant Lot	609355	4749107	4.5	782	T50
V3756	Vacant Lot	608972	4749000	4.5	814	T49
V3757	Vacant Lot	605583	4749168	4.5	808	T19
V3758	Vacant Lot	605193	4749093	4.5	1086	T40
V3765	Vacant Lot	601678	4747766	4.5	684	T12
V3766	Vacant Lot	601471	4747804	4.5	693	T12
V3772	Vacant Lot	599566	4747191	4.5	767	T55
V3773	Vacant Lot	599494	4747174	4.5	811	T55
V3774	Vacant Lot	599198	4746930	4.5	971	T55
V3775	Vacant Lot	598890	4746911	4.5	1039	T17
V3776	Vacant Lot	601943	4746644	4.5	658	T12
V3777	Vacant Lot	602018	4746611	4.5	735	T12
V3778	Vacant Lot	601757	4746452	4.5	715	T12
V3783	Vacant Lot	603235	4746867	4.5	792	T21
V3790	Vacant Lot	603819	4747349	4.5	804	T11
V3791	Vacant Lot	604361	4747500	4.5	712	T4
V3792	Vacant Lot	604339	4747561	4.5	771	T4
V3793	Vacant Lot	604247	4747520	4.5	809	T4
V3794	Vacant Lot	604215	4747512	4.5	828	T4
V3795	Vacant Lot	604189	4747493	4.5	837	T4
V3796	Vacant Lot	604165	4747489	4.5	854	T4
V3797	Vacant Lot	604141	4747471	4.5	864	T4
V3798	Vacant Lot	604256	4747460	4.5	764	T4
V3799	Vacant Lot	604281	4747407	4.5	712	T4
V3800	Vacant Lot	604182	4747668	4.5	818	T11
V3801	Vacant Lot	604148	4747713	4.5	766	T11
V3802	Vacant Lot	604223	4747732	4.5	825	T11
V3803	Vacant Lot	604132	4747793	4.5	717	T11
V3804	Vacant Lot	604121	4747833	4.5	692	T11
V3805	Vacant Lot	604200	4747831	4.5	767	T11
V3806	Vacant Lot	604171	4747896	4.5	721	T11
V3808	Vacant Lot	604918	4747642	4.5	651	T4
V3809	Vacant Lot	605158	4747810	4.5	869	T4
V3813	Vacant Lot	607175	4748384	4.5	922	T8
V3814	Vacant Lot	607901	4748654	4.5	883	T26
V3815	Vacant Lot	604855	4745947	4.5	715	T2
V3816	Vacant Lot	608181	4747007	4.5	866	T8
V3817	Vacant Lot	608731	4747349	4.5	644	T7
V3818	Vacant Lot	609687	4747387	4.5	1317	T7
V3819	Vacant Lot	608825	4746111	4.5	1483	T54
V3821	Vacant Lot	610649	4747136	4.5	872	T65
V3822	Vacant Lot	610737	4748110	4.5	1025	T65
V3823	Vacant Lot	611020	4748135	4.5	864	T65
V3824	Vacant Lot	611246	4746343	4.5	1085	T65
V3825	Vacant Lot	611400	4748160	4.5	761	T65
V3826	Vacant Lot	611677	4748178	4.5	780	T67
V3827	Vacant Lot	611823	4748178	4.5	683	T67
V3828	Vacant Lot	612453	4748178	4.5	586	T67
V3829	Vacant Lot	613088	4747304	4.5	913	T67
V3831	Vacant Lot	613793	4746987	4.5	916	T61
V3834	Vacant Lot	614056	4746446	4.5	1103	T64
V3835	Vacant Lot	614301	4746480	4.5	948	T64
V3836	Vacant Lot	615540	4747137	4.5	656	T60
V3842	Vacant Lot	612088	4746226	4.5	1208	T66
V3843	Vacant Lot	612337	4746244	4.5	1283	T66

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
V3844	Vacant Lot	615603	4746773	4.5	938	T60
V3845	Vacant Lot	615807	4746435	4.5	1328	T60
V3846	Vacant Lot	615917	4746434	4.5	1400	T60
V3847	Vacant Lot	615968	4746432	4.5	1437	T60
V3848	Vacant Lot	615645	4747059	4.5	786	T60
V3849	Vacant Lot	615653	4747194	4.5	732	T60
V3850	Vacant Lot	593651	4751075	4.5	742	T48
V3851	Vacant Lot	593009	4750499	4.5	1007	T24
V3856	Vacant Lot	600909	4746229	4.5	893	T55
V3857	Vacant Lot	610626	4747837	4.5	957	T65
V3858	Vacant Lot	593057	4750701	4.5	1087	T48
V4000	Vacant Lot	602203	4750330	4.5	951	T38
V4001	Vacant Lot	597451	4747536	4.5	738	MV55
V4002	Vacant Lot	597642	4747443	4.5	875	MV55
V4003	Vacant Lot	597964	4747296	4.5	927	T17
V4004	Vacant Lot	590415	4755320	4.5	609	T36
V4006	Vacant Lot	602269	4748179	4.5	743	T68
V4007	Vacant Lot	607831	4748748	4.5	772	T26
V4008	Vacant Lot	607268	4748417	4.5	929	T8
V4010	Vacant Lot	598828	4751794	4.5	1467	T56
V4011	Vacant Lot	598893	4751285	4.5	974	T56
V4012	Vacant Lot	598741	4751148	4.5	815	T56
V4013	Vacant Lot	598570	4751710	4.5	1379	T56
V4014	Vacant Lot	598231	4750992	4.5	675	MV1
V4015	Vacant Lot	599398	4749414	4.5	890	T25
V4016	Vacant Lot	598997	4751289	4.5	1006	T56
V4017	Vacant Lot	599324	4751425	4.5	1153	T29
V4018	Vacant Lot	601891	4751877	4.5	494	T22
V4019	Vacant Lot	598503	4751686	4.5	1361	T56
V4020	Vacant Lot	598974	4751412	4.5	1117	T56
V4023	Vacant Lot	600609	4751724	4.5	1191	T22
V4025	Vacant Lot	600753	4751701	4.5	1046	T22
V4026	Vacant Lot	601426	4751895	4.5	593	T22
V4027	Vacant Lot	601236	4751731	4.5	615	T22
V4028	Vacant Lot	599636	4749500	4.5	915	T25
V4029	Vacant Lot	602411	4751887	4.5	815	T22
V1030	Vacant Lot	602274	4750496	4.5	1039	T35
V4035	Vacant Lot	605513	4751306	4.5	1116	T47
V4036	Vacant Lot	602715	4750435	4.5	800	T35
V4038	Vacant Lot	600875	4747729	4.5	852	T53
V4039	Vacant Lot	599488	4749329	4.5	845	T44
V4040	Vacant Lot	599571	4749363	4.5	884	T44
V4041	Vacant Lot	599864	4749458	4.5	1014	T29
V4042	Vacant Lot	600252	4749576	4.5	811	T42
V4044	Vacant Lot	602386	4746883	4.5	667	T21
V4045	Vacant Lot	603139	4747126	4.5	947	T21
V4046	Vacant Lot	603428	4747233	4.5	843	T11
V4047	Vacant Lot	604317	4747217	4.5	588	T4
V4048	Vacant Lot	603823	4747248	4.5	898	T11
V4049	Vacant Lot	603532	4747086	4.5	990	T11
V4050	Vacant Lot	603357	4746946	4.5	934	T21
V4052	Vacant Lot	603521	4745653	4.5	776	T5
V4053	Vacant Lot	604338	4745577	4.5	1270	T2
V4054	Vacant Lot	604635	4745455	4.5	1249	T2
V4055	Vacant Lot	604616	4748903	4.5	804	T40
V4059	Vacant Lot	606043	4751726	4.5	751	T57
V4060	Vacant Lot	606058	4751482	4.5	624	T57
P41	Residence	587809	4754018	4.5	581	T18
P62	Residence	589406	4754512	4.5	704	T34
P68	Residence	590093	4754775	4.5	895	T45
P71	Residence	590228	4754987	4.5	811	T36

Table C.01: Points of Reception Location Table

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 Project Number: 14284.00 Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
P107	Residence	588797	4752519	4.5	559	T43
P140	Residence	590219	4752543	4.5	794	T46
P177	Residence	592802	4749034	4.5	486	T20
P258	Residence	590506	4749759	4.5	980	T58
P301	Residence	594036	4749274	4.5	755	T16
P351	Residence	594307	4751294	4.5	481	T13
P352	Residence	594361	4750967	4.5	519	T48
P366	Residence	596556	4750512	1.5	245	MV16
P370	Residence	597248	4750668	4.5	167	MV7
P376	Residence	596873	4750327	4.5	186	MV12
P377	Residence	597330	4748897	4.5	150	MV58
P394	Residence	597860	4750701	4.5	234	MV1
P459	Residence	595916	4749261	1.5	294	MV34
P522	Residence	604828	4746000	4.5	671	T2
P538	Residence	603953	4748202	1.5	497	T11
P563	Residence	594172	4748051	4.5	429	T10
P580	Residence	597798	4748861	4.5	170	MV62
P587	Residence	598739	4749078	4.5	807	T27
P589	Residence	599146	4749234	4.5	825	T44
P594	Residence	600698	4749888	1.5	582	T42
P610	Residence	604293	4750474	4.5	447	T47
P677	Residence	599842	4747482	4.5	550	T52
P678	Residence	600242	4747562	4.5	700	T52
P680	Residence	600650	4747765	1.5	688	T53
P688	Residence	602436	4748143	4.5	824	T68
P689	Residence	602523	4748381	4.5	657	T68
P690	Residence	602653	4748323	4.5	736	T37
P691	Residence	603196	4748566	4.5	563	T11
P692	Residence	604432	4749085	1.5	563	T40
P729	Residence	602344	4746717	4.5	550	T21
P735	Residence	601768	4746647	4.5	546	T12
P844	Residence	605746	4746587	1.5	712	T2
P845	Residence	605516	4746586	4.5	483	T2
P885	Residence	607043	4750497	1.5	878	T57
P988	Residence	606772	4748238	4.5	883	T69
P994	Residence	607806	4748629	4.5	879	T26
P995	Residence	608348	4748960	1.5	845	T15
P996	Residence	608372	4748656	4.5	717	T7
P997	Residence	608758	4749110	4.5	674	T49
P999	Residence	608952	4749087	1.5	725	T49
P1000	Residence	608998	4749093	4.5	734	T49
P1002	Residence	609157	4749192	4.5	655	T50
P1053	Residence	611791	4748187	4.5	710	T67
P1056	Residence	611536	4748171	1.5	770	T65
P1180	Residence	600306	4744319	4.5	686	T9
P1181	Residence	600391	4744383	1.5	630	T9
P1182	Residence	600369	4744444	1.5	566	T9
P1183	Residence	600349	4744512	1.5	496	T9
P1184	Residence	600326	4744586	1.5	420	T9
P1185	Residence	600311	4744641	1.5	364	T9
P1186	Residence	600349	4744632	1.5	377	T9
P1187	Residence	600382	4744640	1.5	376	T9
P1188	Residence	600428	4744610	1.5	418	T9
P1189	Residence	600442	4744562	1.5	468	T9
P1190	Residence	600447	4744524	1.5	505	T9
P1191	Residence	600462	4744470	1.5	561	T9
P1192	Residence	600482	4744407	1.5	628	T9
P1193	Residence	600501	4744350	1.5	688	T9
P1194	Residence	600512	4744315	1.5	724	T9
P1195	Residence	600511	4744274	1.5	763	T9
P1196	Residence	600465	4744286	1.5	739	T9

Table C.01: Points of Reception Location Table

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Receptor Height (m)	Distance to Nearest Turbine (m)	Turbine ID
P1212	Residence	602018	4744457	4.5	678	T51
P1233	Residence	603052	4745134	4.5	720	T5
P1234	Residence	603057	4745223	1.5	642	T5
P1253	Residence	605221	4745810	4.5	849	T2
P1269	Residence	600416	4744652	1.5	374	T9
P1279	Residence	603059	4745254	1.5	616	T5
P1283	Residence	612059	4748139	4.5	536	T67
P2882	Residence	615276	4748290	1.5	606	T62
P2883	Residence	615173	4748187	1.5	493	T62
P2995	Residence	607255	4745725	4.5	684	T54
P2997	Residence	607154	4745757	1.5	678	T54
P2998	Residence	607068	4745832	1.5	643	T54
P3002	Residence	606893	4746041	4.5	597	T54
P3017	Residence	615328	4748090	1.5	641	T63

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

Project Number: 14284.00

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R33	Residence	586801	4753685	1163	T18	32.3	32.2	32.3	40	43	45	49	51	0.1	Yes
R34	Residence	586915	4753670	1048	T18	31.9	31.0	31.5	40	43	45	49	51	0.5	Yes
R35	Residence	587107	4753766	891	T18	34.6	34.4	34.6	40	43	45	49	51	0.2	Yes
R36	Residence	586991	4753815	1016	T18	33.4	33.3	33.4	40	43	45	49	51	0.1	Yes
R37	Residence	587384	4753814	664	T18	36.0	35.1	35.7	40	43	45	49	51	0.6	Yes
R38	Residence	587323	4753794	706	T18	35.5	34.5	35.1	40	43	45	49	51	0.6	Yes
R39	Residence	587596	4753957	611	T18	37.9	37.7	38.0	40	43	45	49	51	0.3	Yes
R40	Residence	587786	4754086	652	T18	37.5	37.3	37.5	40	43	45	49	51	0.2	Yes
R43	Residence	588023	4754174	726	T18	35.8	34.8	35.4	40	43	45	49	51	0.6	Yes
R44	Residence	588029	4754075	629	T18	37.0	36.0	36.6	40	43	45	49	51	0.6	Yes
R45	Residence	588090	4754124	688	T18	37.5	37.3	37.4	40	43	45	49	51	0.1	Yes
R46	Residence	588271	4754284	895	T18	34.7	33.8	34.3	40	43	45	49	51	0.5	Yes
R47	Residence	588374	4754221	882	T18	36.5	36.2	36.3	40	43	45	49	51	0.1	Yes
R48	Residence	588590	4754285	1055	T18	36.3	36.1	36.2	40	43	45	49	51	0.1	Yes
R49	Residence	588639	4754279	1082	T18	34.9	34.1	34.6	40	43	45	49	51	0.5	Yes
R50	Residence	588655	4754393	1181	T18	34.5	33.7	34.2	40	43	45	49	51	0.5	Yes
R51	Residence	588786	4754283	1067	T34	35.3	34.5	34.9	40	43	45	49	51	0.4	Yes
R52	Residence	588802	4754188	1023	T34	35.6	34.8	35.3	40	43	45	49	51	0.5	Yes
R53	Residence	588903	4754152	916	T34	37.6	37.4	37.5	40	43	45	49	51	0.1	Yes
R54	Residence	588886	4754256	964	T34	35.8	35.0	35.4	40	43	45	49	51	0.4	Yes
R55	Residence	588871	4754295	992	T34	35.6	34.8	35.2	40	43	45	49	51	0.4	Yes
R56	Residence	588847	4754320	1023	T34	35.4	34.6	35.1	40	43	45	49	51	0.5	Yes
R57	Residence	588857	4754382	1040	T34	36.7	36.5	36.6	40	43	45	49	51	0.1	Yes
R58	Residence	588817	4754448	1106	T34	34.9	34.1	34.6	40	43	45	49	51	0.5	Yes
R59	Residence	588880	4754518	1088	T34	35.0	34.2	34.7	40	43	45	49	51	0.5	Yes
R60	Residence	588963	4754405	958	T34	37.1	37.0	37.0	40	43	45	49	51	0.0	Yes
R61	Residence	589301	4754618	851	T34	38.3	38.1	38.3	40	43	45	49	51	0.2	Yes
R63	Residence	589411	4754642	814	T34	37.4	36.6	37.2	40	43	45	49	51	0.6	Yes
R64	Residence	589533	4754681	802	T34	37.8	37.1	37.6	40	43	45	49	51	0.5	Yes
R65	Residence	589711	4754755	835	T33	38.1	37.4	37.9	40	43	45	49	51	0.5	Yes
R66	Residence	589639	4754613	708	T34	38.6	37.8	38.3	40	43	45	49	51	0.5	Yes
R67	Residence	589703	4754640	724	T34	39.9	39.7	39.9	40	43	45	49	51	0.2	Yes
R69	Residence	590194	4754795	921	T45	37.8	37.0	37.6	40	43	45	49	51	0.6	Yes
R70	Residence	590318	4754864	956	T36	38.6	38.5	38.6	40	43	45	49	51	0.1	Yes
R72	Residence	590390	4755045	820	T36	38.3	38.1	38.3	40	43	45	49	51	0.2	Yes
R73	Residence	590490	4755015	897	T36	36.4	35.6	36.1	40	43	45	49	51	0.5	Yes
R74	Residence	590508	4754884	1011	T41	37.9	37.7	37.8	40	43	45	49	51	0.1	Yes
R75	Residence	590996	4754932	1212	T41	33.9	33.0	33.5	40	43	45	49	51	0.5	Yes
R76	Residence	591066	4755195	1210	T36	33.0	32.1	32.6	40	43	45	49	51	0.5	Yes
R77	Residence	591142	4755206	1272	T36	34.0	33.8	33.8	40	43	45	49	51	0.0	Yes
R78	Residence	591212	4755248	1318	T36	32.0	31.2	31.6	40	43	45	49	51	0.4	Yes
R90	Residence	591238	4754978	1385	T41	33.9	33.7	33.8	40	43	45	49	51	0.1	Yes
R91	Residence	591533	4754527	1309	T41	32.0	31.2	31.6	40	43	45	49	51	0.4	Yes
R92	Residence	591564	4754460	1305	T41	32.0	31.2	31.6	40	43	45	49	51	0.4	Yes
R93	Residence	591601	4754353	1295	T41	32.1	31.2	31.7	40	43	45	49	51	0.5	Yes
R95	Residence	591463	4754250	1130	T41	33.2	32.3	32.8	40	43	45	49	51	0.5	Yes
R96	Residence	591616	4754058	1234	T41	34.1	33.8	33.9	40	43	45	49	51	0.1	Yes
R98	Residence	591702	4753538	1316	T28	33.0	32.2	32.7	40	43	45	49	51	0.5	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

Project Number: 14284.00

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Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R99	Residence	591753	4753462	1259	T28	33.0	32.2	32.6	40	43	45	49	51	0.4	Yes
R100	Residence	591569	4753239	993	T28	34.5	33.7	34.2	40	43	45	49	51	0.5	Yes
R101	Residence	591492	4753217	956	T28	34.9	34.1	34.6	40	43	45	49	51	0.5	Yes
R102	Residence	591364	4753328	1055	T28	36.5	36.3	36.4	40	43	45	49	51	0.1	Yes
R103	Residence	591260	4753171	901	T28	35.9	35.1	35.6	40	43	45	49	51	0.5	Yes
R104	Residence	591138	4753110	860	T28	36.4	35.6	36.1	40	43	45	49	51	0.5	Yes
R105	Residence	590135	4752796	1058	T46	36.6	35.9	36.4	40	43	45	49	51	0.5	Yes
R106	Residence	589111	4752420	846	T43	36.9	36.7	36.8	40	43	45	49	51	0.1	Yes
R108	Residence	588499	4752274	697	T43	37.6	37.5	37.6	40	43	45	49	51	0.1	Yes
R109	Residence	588109	4752082	958	T43	36.0	35.9	36.0	40	43	45	49	51	0.1	Yes
R110	Residence	587968	4752026	1069	T43	35.8	35.7	35.7	40	43	45	49	51	0.0	Yes
R111	Residence	587790	4752120	1088	T43	34.2	33.6	33.8	40	43	45	49	51	0.2	Yes
R112	Residence	587594	4752243	1137	T43	34.0	33.3	33.6	40	43	45	49	51	0.3	Yes
R113	Residence	587567	4752136	1228	T43	35.5	35.4	35.5	40	43	45	49	51	0.1	Yes
R115	Residence	586866	4752607	1367	T18	31.4	30.7	31.0	40	43	45	49	51	0.3	Yes
R119	Residence	589019	4753583	823	T43	37.6	36.9	37.5	40	43	45	49	51	0.6	Yes
R120	Residence	589174	4753402	805	T34	37.8	37.1	37.7	40	43	45	49	51	0.6	Yes
R121	Residence	589129	4753224	707	T43	37.7	37.0	37.6	40	43	45	49	51	0.6	Yes
R122	Residence	589129	4753079	669	T43	37.7	36.9	37.5	40	43	45	49	51	0.6	Yes
R127	Residence	587461	4751976	1415	T43	34.6	33.8	34.0	40	43	45	49	51	0.2	Yes
R128	Residence	587885	4751951	1174	T43	34.2	33.6	33.8	40	43	45	49	51	0.2	Yes
R129	Residence	588015	4751893	1169	T43	35.7	35.6	35.6	40	43	45	49	51	0.0	Yes
R130	Residence	588518	4751589	1382	T43	34.6	34.6	34.6	40	43	45	49	51	0.0	Yes
R131	Residence	588177	4752026	988	T43	34.3	33.6	34.0	40	43	45	49	51	0.4	Yes
R132	Residence	588258	4752049	945	T43	34.5	33.7	34.1	40	43	45	49	51	0.4	Yes
R133	Residence	588578	4752160	818	T43	35.3	34.4	34.9	40	43	45	49	51	0.5	Yes
R134	Residence	588762	4752234	793	T43	36.8	36.7	36.8	40	43	45	49	51	0.1	Yes
R135	Residence	588304	4752171	816	T43	35.3	34.5	34.9	40	43	45	49	51	0.4	Yes
R136	Residence	589147	4752343	924	T43	36.4	36.3	36.4	40	43	45	49	51	0.1	Yes
R137	Residence	589359	4752412	1051	T43	36.4	36.3	36.3	40	43	45	49	51	0.0	Yes
R138	Residence	589462	4752426	1133	T43	36.4	36.3	36.3	40	43	45	49	51	0.0	Yes
R139	Residence	589898	4752396	884	T46	37.4	37.3	37.4	40	43	45	49	51	0.1	Yes
R141	Residence	590557	4752645	809	T46	39.1	38.9	39.1	40	43	45	49	51	0.2	Yes
R142	Residence	590818	4752693	669	T28	39.6	39.5	39.7	40	43	45	49	51	0.2	Yes
R143	Residence	591469	4752903	643	T28	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
R144	Residence	591585	4753138	899	T28	36.4	36.2	36.3	40	43	45	49	51	0.1	Yes
R145	Residence	591929	4753082	1001	T28	35.1	34.9	35.0	40	43	45	49	51	0.1	Yes
R146	Residence	591995	4753218	1150	T28	34.2	34.1	34.1	40	43	45	49	51	0.0	Yes
R147	Residence	591985	4752772	816	T28	36.4	36.2	36.4	40	43	45	49	51	0.2	Yes
R148	Residence	592104	4752624	841	T28	36.2	36.0	36.1	40	43	45	49	51	0.1	Yes
R149	Residence	592336	4752848	1150	T28	33.9	33.8	33.8	40	43	45	49	51	0.0	Yes
R150	Residence	592321	4752454	998	T28	35.1	34.9	35.0	40	43	45	49	51	0.1	Yes
R152	Residence	592307	4752025	999	T28	34.3	33.4	33.8	40	43	45	49	51	0.4	Yes
R153	Residence	592572	4752010	1260	T28	34.3	34.1	34.1	40	43	45	49	51	0.0	Yes
R155	Residence	592336	4751777	1113	T28	34.1	33.3	33.7	40	43	45	49	51	0.4	Yes
R158	Residence	592591	4751396	1432	T23	34.6	34.5	34.5	40	43	45	49	51	0.0	Yes
R159	Residence	592581	4751514	1408	T23	34.6	34.4	34.4	40	43	45	49	51	0.0	Yes
R160	Residence	592562	4751561	1385	T23	33.1	32.3	32.7	40	43	45	49	51	0.4	Yes
R161	Residence	592488	4751533	1313	T23	33.4	32.5	32.9	40	43	45	49	51	0.4	Yes
R162	Residence	592499	4751476	1330	T23	33.3	32.5	32.9	40	43	45	49	51	0.4	Yes
R163	Residence	592498	4751381	1344	T23	33.4	32.5	32.9	40	43	45	49	51	0.4	Yes
R164	Residence	592451	4751364	1301	T23	33.5	32.7	33.1	40	43	45	49	51	0.4	Yes
R165	Residence	592561	4751302	1422	T23	34.8	34.7	34.7	40	43	45	49	51	0.0	Yes
R166	Residence	592665	4751248	1497	T24	33.2	32.4	32.7	40	43	45	49	51	0.3	Yes
R167	Residence	592675	4751206	1459	T24	33.2	32.4	32.8	40	43	45	49	51	0.4	Yes
R170	Residence	592834	4750948	1273	T24	33.9	33.1	33.5	40	43	45	49	51	0.4	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R171	Residence	592806	4750795	1124	T24	34.5	33.7	34.1	40	43	45	49	51	0.4	Yes
R172	Residence	592854	4750632	1009	T24	35.2	34.4	34.8	40	43	45	49	51	0.4	Yes
R173	Residence	592839	4750467	868	T24	37.5	37.3	37.4	40	43	45	49	51	0.1	Yes
R174	Residence	592959	4750356	875	T24	37.8	37.7	37.8	40	43	45	49	51	0.1	Yes
R175	Residence	593206	4749595	646	T20	39.4	39.2	39.4	40	43	45	49	51	0.2	Yes
R176	Residence	593043	4748993	664	T20	37.6	36.7	37.2	40	43	45	49	51	0.5	Yes
R178	Residence	592332	4748917	596	T20	39.6	39.5	39.7	40	43	45	49	51	0.2	Yes
R179	Residence	592005	4748835	846	T20	36.7	36.0	36.3	40	43	45	49	51	0.3	Yes
R180	Residence	592107	4748777	829	T20	36.6	35.9	36.2	40	43	45	49	51	0.3	Yes
R181	Residence	592062	4748776	856	T20	36.5	35.8	36.1	40	43	45	49	51	0.3	Yes
R182	Residence	591946	4748752	947	T20	37.8	37.8	37.8	40	43	45	49	51	0.0	Yes
R184	Residence	591530	4748760	1257	T20	38.6	38.6	38.6	40	43	45	49	51	0.0	Yes
R185	Residence	591579	4748669	1272	T20	38.9	38.9	38.9	40	43	45	49	51	0.0	Yes
R239	Residence	588997	4749890	874	T58	34.1	33.4	33.6	40	43	45	49	51	0.2	Yes
R243	Residence	588886	4750247	854	T58	34.1	33.3	33.5	40	43	45	49	51	0.2	Yes
R244	Residence	588931	4750382	802	T58	35.7	35.8	35.7	40	43	45	49	51	-0.1	Yes
R245	Residence	588913	4750503	832	T58	34.2	33.4	33.6	40	43	45	49	51	0.2	Yes
R246	Residence	588806	4750568	949	T58	35.0	35.0	34.9	40	43	45	49	51	-0.1	Yes
R250	Residence	588611	4751157	1375	T58	34.4	34.4	34.4	40	43	45	49	51	0.0	Yes
R253	Residence	588694	4751201	1335	T58	34.3	34.4	34.3	40	43	45	49	51	-0.1	Yes
R254	Residence	589943	4749728	667	T58	38.4	38.5	38.4	40	43	45	49	51	-0.1	Yes
R255	Residence	590130	4749836	659	T58	39.0	39.0	39.0	40	43	45	49	51	0.0	Yes
R256	Residence	590549	4749963	908	T58	38.9	39.0	38.9	40	43	45	49	51	-0.1	Yes
R257	Residence	590797	4750092	1097	T58	37.8	37.8	37.7	40	43	45	49	51	-0.1	Yes
R259	Residence	590819	4749930	1168	T58	38.9	38.9	38.9	40	43	45	49	51	0.0	Yes
R260	Residence	591137	4749991	1161	T24	36.2	35.5	35.7	40	43	45	49	51	0.2	Yes
R261	Residence	591243	4750010	1060	T24	36.0	35.3	35.5	40	43	45	49	51	0.2	Yes
R262	Residence	589331	4751018	769	T58	36.3	36.3	36.3	40	43	45	49	51	0.0	Yes
R263	Residence	589346	4751086	820	T58	34.7	33.9	34.2	40	43	45	49	51	0.3	Yes
R265	Residence	589552	4751291	946	T58	34.6	33.9	34.2	40	43	45	49	51	0.3	Yes
R266	Residence	589618	4751273	918	T58	36.4	36.3	36.3	40	43	45	49	51	0.0	Yes
R267	Residence	589722	4751226	864	T58	35.4	34.6	35.0	40	43	45	49	51	0.4	Yes
R268	Residence	589805	4751197	838	T58	37.1	37.1	37.1	40	43	45	49	51	0.0	Yes
R269	Residence	589953	4751250	859	T46	37.6	37.5	37.6	40	43	45	49	51	0.1	Yes
R270	Residence	590072	4750943	672	T58	38.1	38.1	38.1	40	43	45	49	51	0.0	Yes
R271	Residence	590117	4751503	571	T46	39.6	39.5	39.7	40	43	45	49	51	0.2	Yes
R272	Residence	589961	4751604	662	T46	37.3	36.4	37.0	40	43	45	49	51	0.6	Yes
R273	Residence	590915	4750881	797	T23	36.8	36.0	36.5	40	43	45	49	51	0.5	Yes
R275	Residence	591121	4750841	795	T23	36.6	35.7	36.2	40	43	45	49	51	0.5	Yes
R276	Residence	591293	4750912	731	T23	38.2	38.1	38.2	40	43	45	49	51	0.1	Yes
R277	Residence	591558	4750983	753	T23	38.0	37.8	37.9	40	43	45	49	51	0.1	Yes
R278	Residence	591457	4751049	648	T23	37.7	36.8	37.3	40	43	45	49	51	0.5	Yes
R279	Residence	591686	4751169	688	T23	38.4	38.3	38.4	40	43	45	49	51	0.1	Yes
R280	Residence	591901	4751175	856	T23	35.8	35.0	35.5	40	43	45	49	51	0.5	Yes
R281	Residence	591929	4751121	909	T23	36.9	36.8	36.8	40	43	45	49	51	0.0	Yes
R282	Residence	591963	4751192	900	T23	36.9	36.8	36.9	40	43	45	49	51	0.1	Yes
R283	Residence	592168	4751194	1083	T23	34.5	33.7	34.2	40	43	45	49	51	0.5	Yes
R284	Residence	593593	4749422	930	T16	38.1	37.9	37.9	40	43	45	49	51	0.0	Yes
R285	Residence	593644	4749202	836	T10	36.4	35.7	36.1	40	43	45	49	51	0.4	Yes
R288	Residence	594802	4752442	835	T13	34.6	34.0	34.2	40	43	45	49	51	0.2	Yes
R289	Residence	595053	4752188	690	T13	36.3	35.9	36.1	40	43	45	49	51	0.2	Yes
R290	Residence	594993	4752081	568	T13	38.0	37.8	38.1	40	43	45	49	51	0.3	Yes
R291	Residence	595129	4752091	663	T13	36.6	36.3	36.5	40	43	45	49	51	0.2	Yes
R292	Residence	595257	4751952	681	T13	35.5	34.2	34.9	40	43	45	49	51	0.7	Yes
R293	Residence	595180	4751869	574	T13	38.0	37.7	38.0	40	43	45	49	51	0.3	Yes
R294	Residence	595356	4751931	760	T13	34.5	32.4	32.8	40	43	45	49	51	0.4	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R295	Residence	595233	4751783	593	T13	37.8	37.5	37.8	40	43	45	49	51	0.3	Yes
R296	Residence	595312	4751801	674	T13	35.7	34.4	35.0	40	43	45	49	51	0.6	Yes
R297	Residence	595418	4751879	798	T13	35.2	34.2	34.4	40	43	45	49	51	0.2	Yes
R300	Residence	595388	4751690	728	T13	36.1	35.8	36.0	40	43	45	49	51	0.2	Yes
R302	Residence	594197	4749117	704	T10	37.0	36.3	36.7	40	43	45	49	51	0.4	Yes
R303	Residence	594425	4749015	717	T10	38.0	37.8	37.8	40	43	45	49	51	0.0	Yes
R304	Residence	595177	4748691	1180	MV35	34.0	32.9	33.1	40	43	45	49	51	0.2	Yes
R305	Residence	594821	4748722	873	T10	35.2	34.3	34.5	40	43	45	49	51	0.2	Yes
R306	Residence	595426	4748513	982	MV35	35.2	34.8	34.7	40	43	45	49	51	-0.1	Yes
R307	Residence	596129	4748611	273	MV36	35.2	33.1	33.1	40	43	45	49	51	0.0	Yes
R308	Residence	595830	4751457	1178	T13	31.7	30.0	30.4	40	43	45	49	51	0.4	Yes
R309	Residence	596100	4751651	1437	T13	31.5	29.7	29.7	40	43	45	49	51	0.0	Yes
R310	Residence	596240	4751667	1442	MV16	31.0	29.4	29.4	40	43	45	49	51	0.0	Yes
R311	Residence	596363	4751615	1362	MV16	30.8	28.7	28.7	40	43	45	49	51	0.0	Yes
R312	Residence	596533	4751025	751	MV16	32.2	28.5	28.9	40	43	45	49	51	0.4	Yes
R313	Residence	596576	4750895	617	MV16	32.7	30.8	30.8	40	43	45	49	51	0.0	Yes
R314	Residence	596578	4751446	1146	MV7	31.0	29.7	29.7	40	43	45	49	51	0.0	Yes
R316	Residence	596849	4751602	1163	MV7	30.6	28.7	28.7	40	43	45	49	51	0.0	Yes
R317	Residence	597005	4751565	1086	MV7	29.7	27.1	27.6	40	43	45	49	51	0.5	Yes
R318	Residence	596786	4751516	1106	MV7	29.8	27.3	27.8	40	43	45	49	51	0.5	Yes
R319	Residence	597182	4751744	1242	MV7	29.2	26.2	26.5	40	43	45	49	51	0.3	Yes
R320	Residence	597369	4751727	1226	MV4	30.6	29.4	29.5	40	43	45	49	51	0.1	Yes
R321	Residence	597631	4751809	1321	MV4	29.5	26.6	26.7	40	43	45	49	51	0.1	Yes
R322	Residence	597814	4751672	1196	MV1	31.5	30.6	30.7	40	43	45	49	51	0.1	Yes
R323	Residence	597545	4751666	1168	MV4	31.0	29.9	29.9	40	43	45	49	51	0.0	Yes
R324	Residence	598007	4751826	1366	MV1	30.0	27.7	28.0	40	43	45	49	51	0.3	Yes
R325	Residence	598346	4751705	1346	MV1	31.4	29.7	30.2	40	43	45	49	51	0.5	Yes
R327	Residence	598214	4751579	1179	MV1	33.0	32.3	32.3	40	43	45	49	51	0.0	Yes
R336	Residence	601010	4751539	758	T22	35.7	34.8	35.4	40	43	45	49	51	0.6	Yes
R337	Residence	601265	4751811	639	T22	37.5	37.4	37.6	40	43	45	49	51	0.2	Yes
R338	Residence	601684	4752112	714	T22	36.2	36.1	36.3	40	43	45	49	51	0.2	Yes
R339	Residence	602037	4752122	773	T22	35.6	35.4	35.6	40	43	45	49	51	0.2	Yes
R340	Residence	602390	4751809	753	T22	34.9	34.0	34.6	40	43	45	49	51	0.6	Yes
R341	Residence	602498	4751933	913	T22	34.6	34.5	34.6	40	43	45	49	51	0.1	Yes
R342	Residence	602509	4751807	855	T22	34.0	33.1	33.7	40	43	45	49	51	0.6	Yes
R343	Residence	602928	4751863	1259	T22	33.5	33.5	33.5	40	43	45	49	51	0.0	Yes
R349	Residence	603144	4750902	1176	T14	36.7	36.5	36.6	40	43	45	49	51	0.1	Yes
R350	Residence	593583	4751606	1080	T13	33.6	32.7	33.2	40	43	45	49	51	0.5	Yes
R353	Residence	594609	4751028	592	T13	38.8	38.0	38.7	40	43	45	49	51	0.7	Yes
R354	Residence	594938	4750947	725	T13	38.1	37.9	38.1	40	43	45	49	51	0.2	Yes
R355	Residence	595233	4750565	991	MV29	36.2	35.7	35.8	40	43	45	49	51	0.1	Yes
R356	Residence	595320	4751040	875	T13	34.7	33.5	34.0	40	43	45	49	51	0.5	Yes
R357	Residence	595471	4750990	1023	T13	33.7	32.3	32.8	40	43	45	49	51	0.5	Yes
R358	Residence	595252	4750428	894	MV29	36.1	35.7	35.8	40	43	45	49	51	0.1	Yes
R359	Residence	595088	4750040	740	T16	37.6	35.3	35.9	40	43	45	49	51	0.6	Yes
R360	Residence	595216	4749628	839	MV29	36.1	33.5	33.9	40	43	45	49	51	0.4	Yes
R361	Residence	595517	4749636	552	MV30	35.1	32.2	32.5	40	43	45	49	51	0.3	Yes
R362	Residence	595748	4749453	392	MV32	35.0	31.6	31.8	40	43	45	49	51	0.2	Yes
R363	Church	595682	4749487	446	MV32	34.9	31.9	32.1	40	43	45	49	51	0.2	Yes
R364	Residence	595795	4749735	258	MV30	35.6	33.9	33.8	40	43	45	49	51	-0.1	Yes
R365	Residence	596064	4750325	245	MV24	35.0	30.3	30.6	40	43	45	49	51	0.3	Yes
R367	Residence	596650	4750552	271	MV16	34.3	31.7	31.7	40	43	45	49	51	0.0	Yes
R368	Residence	596945	4750609	300	MV12	34.5	32.1	32.1	40	43	45	49	51	0.0	Yes
R369	Residence	597292	4750739	245	MV7	34.5	32.4	32.4	40	43	45	49	51	0.0	Yes
R371	Residence	597528	4750821	331	MV4	34.6	33.0	33.1	40	43	45	49	51	0.1	Yes
R372	Residence	598092	4751035	633	MV1	35.9	33.2	33.7	40	43	45	49	51	0.5	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 - 10 m/s	6 - 10 m/s	6 - 10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 - 10 m/s	
R373	Residence	598103	4751280	842	MV1	34.5	31.8	32.3	40	43	45	49	51	0.5	Yes
R374	Residence	598295	4751102	801	MV1	36.4	35.9	36.0	40	43	45	49	51	0.1	Yes
R378	Residence	597392	4748712	263	MV53	37.0	32.7	32.9	40	43	45	49	51	0.2	Yes
R380	Residence	597617	4748539	365	MV54	36.6	33.3	33.6	40	43	45	49	51	0.3	Yes
R381	Residence	597542	4748329	206	MV55	36.5	33.4	33.7	40	43	45	49	51	0.3	Yes
R383	Residence	597832	4747384	977	T17	37.2	37.0	37.1	40	43	45	49	51	0.1	Yes
R386	Residence	599094	4747199	849	T17	39.0	38.8	38.9	40	43	45	49	51	0.1	Yes
R387	Residence	598518	4749012	611	MV64	38.9	36.5	37.0	40	43	45	49	51	0.5	Yes
R388	Residence	598470	4748990	566	MV64	38.8	36.4	36.8	40	43	45	49	51	0.4	Yes
R389	Residence	598453	4749195	511	MV65	38.2	37.7	37.8	40	43	45	49	51	0.1	Yes
R390	Residence	598466	4749459	567	MV65	38.3	37.9	38.0	40	43	45	49	51	0.1	Yes
R391	Residence	598331	4749557	502	MV65	38.2	37.7	37.8	40	43	45	49	51	0.1	Yes
R392	Residence	598327	4749796	641	T56	39.4	37.1	37.7	40	43	45	49	51	0.6	Yes
R393	Residence	598184	4749987	428	MV2	39.4	39.0	39.2	40	43	45	49	51	0.2	Yes
R395	Residence	597996	4750732	325	MV1	37.2	36.3	36.5	40	43	45	49	51	0.2	Yes
R396	Residence	597867	4751171	698	MV1	34.1	31.1	31.5	40	43	45	49	51	0.4	Yes
R399	Residence	599457	4746582	685	T55	38.3	38.2	38.3	40	43	45	49	51	0.1	Yes
R401	Residence	599349	4745978	1052	T55	34.3	33.5	33.9	40	43	45	49	51	0.4	Yes
R402	Residence	599410	4745181	897	T9	35.4	35.2	35.4	40	43	45	49	51	0.2	Yes
R403	Residence	599512	4744986	778	T9	34.8	33.9	34.4	40	43	45	49	51	0.5	Yes
R404	Residence	599793	4744608	636	T9	36.3	35.3	35.9	40	43	45	49	51	0.6	Yes
R405	Residence	599604	4744244	1024	T9	33.5	33.3	33.4	40	43	45	49	51	0.1	Yes
R406	Residence	593184	4748779	877	T10	37.5	37.4	37.4	40	43	45	49	51	0.0	Yes
R407	Residence	593146	4748642	871	T10	35.7	35.0	35.3	40	43	45	49	51	0.3	Yes
R408	Residence	593334	4748307	673	T10	36.2	35.3	35.7	40	43	45	49	51	0.4	Yes
R409	Residence	593350	4748255	670	T10	36.2	35.3	35.6	40	43	45	49	51	0.3	Yes
R410	Residence	593488	4747888	750	T10	35.4	34.5	34.8	40	43	45	49	51	0.3	Yes
R411	Residence	593389	4747812	873	T10	35.9	36.0	35.9	40	43	45	49	51	-0.1	Yes
R412	Residence	593406	4747756	903	T10	34.4	33.6	33.8	40	43	45	49	51	0.2	Yes
R413	Residence	593537	4747695	875	T10	36.1	36.1	36.0	40	43	45	49	51	-0.1	Yes
R414	Residence	593415	4747666	968	T10	34.1	33.3	33.5	40	43	45	49	51	0.2	Yes
R415	Residence	593579	4747295	1219	T10	35.4	35.5	35.4	40	43	45	49	51	-0.1	Yes
R416	Residence	593627	4747096	1395	T10	35.6	35.6	35.6	40	43	45	49	51	0.0	Yes
R455	Residence	595897	4749329	293	MV34	35.3	34.4	34.3	40	43	45	49	51	-0.1	Yes
R457	Residence	595844	4749286	354	MV34	35.0	34.5	34.5	40	43	45	49	51	0.0	Yes
R460	Residence	596136	4748195	483	MV37	34.8	34.3	34.3	40	43	45	49	51	0.0	Yes
R461	Residence	596099	4748107	571	MV37	34.9	32.4	32.5	40	43	45	49	51	0.1	Yes
R462	Residence	596203	4748080	526	MV37	34.9	34.6	34.5	40	43	45	49	51	-0.1	Yes
R464	Residence	596434	4747858	662	MV37	35.1	32.6	32.8	40	43	45	49	51	0.2	Yes
R465	Residence	597146	4747852	459	MV55	35.5	35.1	35.1	40	43	45	49	51	0.0	Yes
R466	Residence	597329	4747592	674	MV55	36.2	35.9	35.9	40	43	45	49	51	0.0	Yes
R467	Residence	597505	4747260	1018	MV55	37.3	35.0	35.1	40	43	45	49	51	0.1	Yes
R468	Residence	597960	4747051	1109	T17	37.3	37.1	37.1	40	43	45	49	51	0.0	Yes
R469	Residence	598084	4747146	959	T17	35.9	35.0	35.4	40	43	45	49	51	0.4	Yes
R470	Residence	598478	4747034	904	T17	37.4	37.3	37.3	40	43	45	49	51	0.0	Yes
R471	Residence	599198	4747072	1012	T17	38.4	38.2	38.3	40	43	45	49	51	0.1	Yes
R501	Residence	600846	4749547	951	T42	36.7	35.8	36.3	40	43	45	49	51	0.5	Yes
R502	Residence	601128	4749169	1036	T68	38.2	38.0	38.1	40	43	45	49	51	0.1	Yes
R503	Residence	601337	4748589	856	T68	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
R504	Residence	601320	4748421	946	T68	38.6	38.4	38.5	40	43	45	49	51	0.1	Yes
R505	Residence	601527	4747991	881	T12	38.5	38.3	38.4	40	43	45	49	51	0.1	Yes
R507	Residence	601382	4747867	762	T12	38.8	38.6	38.7	40	43	45	49	51	0.1	Yes
R508	Residence	601517	4747855	744	T12	38.8	38.6	38.8	40	43	45	49	51	0.2	Yes
R509	Residence	601562	4747880	773	T12	38.7	38.5	38.7	40	43	45	49	51	0.2	Yes
R510	Residence	601704	4747927	846	T12	38.6	38.4	38.5	40	43	45	49	51	0.1	Yes
R512	Residence	601959	4746592	706	T12	39.6	39.4	39.6	40	43	45	49	51	0.2	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R513	Residence	602042	4746596	718	T21	38.3	37.6	38.2	40	43	45	49	51	0.6	Yes
R515	Residence	601962	4746506	761	T21	38.0	37.3	37.9	40	43	45	49	51	0.6	Yes
R516	Residence	602395	4745144	635	T51	38.3	37.5	38.2	40	43	45	49	51	0.7	Yes
R517	Residence	602617	4744883	878	T51	35.7	34.9	35.4	40	43	45	49	51	0.5	Yes
R518	Residence	602615	4744865	880	T51	35.6	34.7	35.3	40	43	45	49	51	0.6	Yes
R519	Residence	602547	4744797	836	T51	35.5	34.5	35.0	40	43	45	49	51	0.5	Yes
R520	Residence	604976	4745525	1115	T2	33.2	32.4	32.9	40	43	45	49	51	0.5	Yes
R521	Residence	604946	4745498	1144	T2	33.0	32.2	32.7	40	43	45	49	51	0.5	Yes
R523	Residence	604715	4746166	571	T2	38.7	37.6	38.3	40	43	45	49	51	0.7	Yes
R524	Residence	604317	4747310	629	T4	39.6	39.4	39.6	40	43	45	49	51	0.2	Yes
R525	Residence	604363	4747368	623	T4	39.6	39.5	39.7	40	43	45	49	51	0.2	Yes
R527	Residence	604311	4747481	735	T4	37.5	36.7	37.3	40	43	45	49	51	0.6	Yes
R528	Residence	604043	4747485	821	T11	38.5	38.3	38.5	40	43	45	49	51	0.2	Yes
R529	Residence	604185	4747518	855	T4	38.6	38.4	38.5	40	43	45	49	51	0.1	Yes
R530	Residence	604187	4747613	851	T11	37.0	36.3	36.9	40	43	45	49	51	0.6	Yes
R531	Residence	604135	4747760	734	T11	37.4	36.6	37.2	40	43	45	49	51	0.6	Yes
R532	Residence	604106	4747879	663	T11	37.8	37.0	37.6	40	43	45	49	51	0.6	Yes
R533	Residence	604196	4747866	753	T11	37.2	36.5	37.0	40	43	45	49	51	0.5	Yes
R534	Residence	604223	4747770	810	T11	37.0	36.3	36.8	40	43	45	49	51	0.5	Yes
R535	Residence	604253	4747699	866	T11	38.5	38.3	38.4	40	43	45	49	51	0.1	Yes
R536	Residence	604201	4747571	877	T4	37.0	36.3	36.9	40	43	45	49	51	0.6	Yes
R537	Residence	604268	4747645	881	T4	37.0	36.3	36.8	40	43	45	49	51	0.5	Yes
R540	Residence	603293	4750455	775	T14	39.6	39.5	39.6	40	43	45	49	51	0.1	Yes
R541	Residence	603164	4750588	955	T14	37.1	36.2	36.7	40	43	45	49	51	0.5	Yes
R559	Residence	592871	4747549	1434	T10	32.9	32.3	32.4	40	43	45	49	51	0.1	Yes
R561	Residence	593296	4747657	1050	T10	35.3	35.3	35.2	40	43	45	49	51	-0.1	Yes
R562	Residence	594083	4747899	550	T10	38.0	37.1	37.5	40	43	45	49	51	0.4	Yes
R564	Residence	594306	4747888	635	T10	39.2	39.2	39.1	40	43	45	49	51	-0.1	Yes
R565	Residence	594675	4748041	790	T10	38.2	37.4	37.5	40	43	45	49	51	0.1	Yes
R566	Residence	594782	4747998	904	T10	40.0	40.0	39.9	40	43	45	49	51	-0.1	Yes
R567	Residence	595233	4748095	1286	T10	37.7	37.7	37.6	40	43	45	49	51	-0.1	Yes
R568	Residence	595348	4748097	1187	MV36	37.2	37.1	37.0	40	43	45	49	51	-0.1	Yes
R569	Residence	595494	4748236	994	MV36	35.9	35.7	35.6	40	43	45	49	51	-0.1	Yes
R570	Residence	595505	4748148	1024	MV36	36.2	36.0	36.0	40	43	45	49	51	0.0	Yes
R571	Residence	595663	4748268	828	MV36	35.3	32.8	32.9	40	43	45	49	51	0.1	Yes
R572	Residence	595750	4748218	778	MV36	35.2	34.9	34.9	40	43	45	49	51	0.0	Yes
R573	Residence	595790	4748278	712	MV36	35.0	34.6	34.6	40	43	45	49	51	0.0	Yes
R574	Residence	596487	4748315	202	MV37	35.4	34.5	34.5	40	43	45	49	51	0.0	Yes
R575	Residence	596772	4748529	196	MV47	36.4	35.4	35.4	40	43	45	49	51	0.0	Yes
R576	Residence	596975	4748483	207	MV47	36.2	35.0	35.0	40	43	45	49	51	0.0	Yes
R577	Residence	597145	4748655	188	MV52	38.4	35.3	35.3	40	43	45	49	51	0.0	Yes
R578	Residence	597594	4748786	175	MV62	36.9	33.1	33.4	40	43	45	49	51	0.3	Yes
R579	Residence	597644	4748802	149	MV62	36.9	33.3	33.6	40	43	45	49	51	0.3	Yes
R581	Residence	597786	4748768	226	MV62	37.0	33.7	34.0	40	43	45	49	51	0.3	Yes
R582	Residence	597849	4748787	255	MV62	37.1	33.9	34.3	40	43	45	49	51	0.4	Yes
R584	Residence	598134	4748890	295	MV64	37.7	37.1	37.2	40	43	45	49	51	0.1	Yes
R585	Residence	598242	4748987	344	MV64	37.9	37.3	37.4	40	43	45	49	51	0.1	Yes
R588	Residence	599042	4749252	889	T44	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes
R590	Residence	599519	4749453	899	T25	39.7	39.4	39.6	40	43	45	49	51	0.2	Yes
R591	Residence	599784	4749447	1008	T44	39.5	39.2	39.4	40	43	45	49	51	0.2	Yes
R592	Residence	600206	4749300	945	T53	39.1	38.9	39.0	40	43	45	49	51	0.1	Yes
R593	Residence	600450	4749675	705	T42	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes
R595	Residence	601044	4750101	718	T42	38.6	38.6	38.7	40	43	45	49	51	0.1	Yes
R596	Residence	601475	4750077	1134	T42	37.8	37.5	37.6	40	43	45	49	51	0.1	Yes
R597	Residence	601547	4749841	1099	T68	38.3	37.9	38.0	40	43	45	49	51	0.1	Yes
R598	Residence	601768	4750196	1110	T38	38.0	37.7	37.8	40	43	45	49	51	0.1	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R599	Cemetery	601999	4750288	1004	T38	36.9	36.0	36.5	40	43	45	49	51	0.5	Yes
R601	Residence	602230	4750197	820	T38	39.5	39.2	39.3	40	43	45	49	51	0.1	Yes
R602	Residence	602253	4750344	933	T35	38.7	38.4	38.5	40	43	45	49	51	0.1	Yes
R603	Residence	602385	4750396	893	T35	38.8	38.4	38.5	40	43	45	49	51	0.1	Yes
R604	Residence	602564	4750509	913	T35	38.4	38.1	38.2	40	43	45	49	51	0.1	Yes
R605	Residence	602542	4750393	814	T35	39.1	38.7	38.8	40	43	45	49	51	0.1	Yes
R606	Residence	602792	4750443	795	T35	39.1	38.8	39.0	40	43	45	49	51	0.2	Yes
R607	Residence	602875	4750461	809	T35	39.0	38.8	39.0	40	43	45	49	51	0.2	Yes
R608	Residence	602944	4750615	965	T35	36.7	35.7	36.2	40	43	45	49	51	0.5	Yes
R609	Residence	603780	4750806	778	T14	38.6	38.4	38.6	40	43	45	49	51	0.2	Yes
R611	Residence	604558	4751074	603	T47	38.9	38.7	38.9	40	43	45	49	51	0.2	Yes
R612	Residence	604708	4751115	616	T47	37.5	36.5	37.1	40	43	45	49	51	0.6	Yes
R613	Residence	604748	4751099	600	T47	38.7	38.6	38.8	40	43	45	49	51	0.2	Yes
R614	Residence	605022	4751198	753	T47	37.1	36.9	37.1	40	43	45	49	51	0.2	Yes
R615	Residence	605161	4751400	994	T47	35.3	35.1	35.2	40	43	45	49	51	0.1	Yes
R616	Residence	605570	4751066	1005	T47	36.3	36.1	36.2	40	43	45	49	51	0.1	Yes
R617	Residence	605622	4751286	1028	T57	35.7	35.5	35.6	40	43	45	49	51	0.1	Yes
R619	Residence	605642	4751467	1024	T57	33.7	32.9	33.4	40	43	45	49	51	0.5	Yes
R621	Residence	606205	4752684	1469	T57	30.0	30.0	30.0	40	43	45	49	51	0.0	Yes
R622	Residence	606418	4752647	1383	T57	28.9	28.1	28.7	40	43	45	49	51	0.6	Yes
R623	Residence	606526	4752562	1284	T57	31.0	30.9	31.0	40	43	45	49	51	0.1	Yes
R624	Residence	606668	4752564	1281	T57	31.0	30.9	30.9	40	43	45	49	51	0.0	Yes
R625	Residence	606889	4752539	1278	T57	29.5	28.7	29.2	40	43	45	49	51	0.5	Yes
R626	Residence	606949	4752654	1403	T57	28.7	27.8	28.4	40	43	45	49	51	0.6	Yes
R627	Residence	607040	4752590	1363	T57	28.9	28.1	28.6	40	43	45	49	51	0.5	Yes
R628	Residence	607131	4752630	1430	T57	30.1	30.0	30.0	40	43	45	49	51	0.0	Yes
R668	Residence	596310	4747047	1481	MV37	38.5	38.5	38.5	40	43	45	49	51	0.0	Yes
R670	Residence	596459	4747052	1465	MV37	37.3	36.4	36.5	40	43	45	49	51	0.1	Yes
R672	Residence	596662	4746973	1462	MV55	38.0	37.2	37.2	40	43	45	49	51	0.0	Yes
R673	Residence	596720	4747093	1329	MV55	38.4	38.4	38.4	40	43	45	49	51	0.0	Yes
R674	Residence	597052	4747231	1075	MV55	37.7	37.6	37.6	40	43	45	49	51	0.0	Yes
R675	Residence	597056	4747096	1205	MV55	38.8	38.8	38.8	40	43	45	49	51	0.0	Yes
R676	Residence	599597	4747189	743	T55	39.8	39.6	39.8	40	43	45	49	51	0.2	Yes
R679	Residence	600535	4747587	806	T53	39.8	39.6	39.7	40	43	45	49	51	0.1	Yes
R681	Residence	600962	4747730	806	T12	39.2	39.0	39.1	40	43	45	49	51	0.1	Yes
R682	Residence	601115	4747695	688	T12	37.9	37.1	37.7	40	43	45	49	51	0.6	Yes
R683	Residence	600910	4747598	748	T12	37.8	37.1	37.7	40	43	45	49	51	0.6	Yes
R686	Residence	601899	4747943	932	T12	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
R687	Residence	601721	4748152	860	T68	37.3	36.5	37.1	40	43	45	49	51	0.6	Yes
R693	Residence	604687	4749039	728	T40	39.6	39.4	39.6	40	43	45	49	51	0.2	Yes
R694	Residence	604785	4749203	683	T40	39.8	39.6	39.8	40	43	45	49	51	0.2	Yes
R695	Residence	605073	4748236	1260	T4	36.9	36.8	36.8	40	43	45	49	51	0.0	Yes
R696	Residence	605465	4747910	1098	T4	36.1	35.3	35.8	40	43	45	49	51	0.5	Yes
R697	Residence	605079	4747709	748	T4	38.7	38.5	38.6	40	43	45	49	51	0.1	Yes
R698	Residence	604889	4747683	690	T4	39.0	38.8	39.0	40	43	45	49	51	0.2	Yes
R699	Residence	604781	4747827	837	T4	38.1	37.9	38.0	40	43	45	49	51	0.1	Yes
R700	Residence	604762	4747726	739	T4	37.3	36.4	37.0	40	43	45	49	51	0.6	Yes
R701	Residence	604777	4747659	671	T4	37.8	37.0	37.6	40	43	45	49	51	0.6	Yes
R702	Residence	604727	4747723	742	T4	37.3	36.4	37.0	40	43	45	49	51	0.6	Yes
R703	Residence	604680	4747687	717	T4	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
R704	Residence	604716	4747608	631	T4	39.4	39.3	39.5	40	43	45	49	51	0.2	Yes
R705	Residence	604662	4747678	713	T4	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
R706	Residence	604628	4747668	714	T4	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
R707	Residence	604584	4747600	667	T4	39.2	39.0	39.2	40	43	45	49	51	0.2	Yes
R708	Residence	604561	4747576	655	T4	37.2	37.2	37.8	40	43	45	49	51	0.6	Yes
R709	Residence	604450	4747691	810	T4	38.5	38.3	38.4	40	43	45	49	51	0.1	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R710	Residence	604390	4747501	692	T4	37.8	37.0	37.6	40	43	45	49	51	0.6	Yes
R711	Residence	604219	4747455	790	T4	38.7	38.5	38.7	40	43	45	49	51	0.2	Yes
R712	Residence	604126	4747408	844	T4	37.0	36.3	36.9	40	43	45	49	51	0.6	Yes
R713	Residence	604036	4747357	901	T4	36.8	36.1	36.7	40	43	45	49	51	0.6	Yes
R714	Residence	603986	4747326	908	T11	38.2	38.1	38.2	40	43	45	49	51	0.1	Yes
R715	Residence	603916	4747397	810	T11	36.9	36.2	36.7	40	43	45	49	51	0.5	Yes
R716	Residence	603851	4747368	802	T11	36.9	36.1	36.7	40	43	45	49	51	0.6	Yes
R717	Residence	603931	4747302	899	T11	38.1	38.0	38.1	40	43	45	49	51	0.1	Yes
R718	Residence	603543	4747343	735	T11	38.4	38.3	38.4	40	43	45	49	51	0.1	Yes
R719	Residence	603581	4747169	912	T11	36.2	35.4	35.9	40	43	45	49	51	0.5	Yes
R720	Residence	603447	4747107	968	T11	36.1	35.4	35.9	40	43	45	49	51	0.5	Yes
R721	Residence	603384	4747059	1019	T11	36.1	35.4	35.9	40	43	45	49	51	0.5	Yes
R722	Residence	603309	4747180	909	T11	37.9	37.7	37.8	40	43	45	49	51	0.1	Yes
R723	Residence	603190	4746986	855	T21	36.5	35.8	36.3	40	43	45	49	51	0.5	Yes
R724	Residence	602983	4746871	649	T21	39.2	39.0	39.2	40	43	45	49	51	0.2	Yes
R725	Residence	602922	4746867	621	T21	39.4	39.3	39.5	40	43	45	49	51	0.2	Yes
R726	Residence	602867	4747065	794	T21	38.6	38.6	38.7	40	43	45	49	51	0.1	Yes
R727	Residence	602749	4746837	549	T21	39.0	38.1	38.8	40	43	45	49	51	0.7	Yes
R728	Residence	602487	4746930	672	T21	39.3	39.1	39.3	40	43	45	49	51	0.2	Yes
R730	Residence	602148	4746712	688	T21	39.7	39.6	39.8	40	43	45	49	51	0.2	Yes
R731	Residence	602164	4746635	630	T21	38.7	37.9	38.6	40	43	45	49	51	0.7	Yes
R732	Residence	602109	4746616	667	T21	39.8	39.7	39.9	40	43	45	49	51	0.2	Yes
R733	Residence	601884	4746626	631	T12	39.7	39.6	39.8	40	43	45	49	51	0.2	Yes
R734	Residence	601880	4746566	676	T12	39.5	39.4	39.5	40	43	45	49	51	0.1	Yes
R737	Residence	601549	4746422	692	T12	38.9	38.7	38.9	40	43	45	49	51	0.2	Yes
R738	Residence	601384	4746515	603	T12	39.4	39.2	39.5	40	43	45	49	51	0.3	Yes
R739	Residence	601285	4746376	760	T12	37.0	36.1	36.7	40	43	45	49	51	0.6	Yes
R740	Residence	600942	4746249	912	T55	36.3	35.5	36.0	40	43	45	49	51	0.5	Yes
R741	Residence	600841	4746210	845	T55	36.4	35.7	36.2	40	43	45	49	51	0.5	Yes
R742	Residence	600631	4746221	673	T55	38.7	38.5	38.7	40	43	45	49	51	0.2	Yes
R743	Residence	600540	4746125	684	T55	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
R744	Residence	600394	4746127	607	T55	39.1	39.0	39.2	40	43	45	49	51	0.2	Yes
R745	Residence	599866	4745931	793	T55	37.5	37.4	37.5	40	43	45	49	51	0.1	Yes
R746	Residence	599466	4745843	1069	T55	35.9	35.7	35.8	40	43	45	49	51	0.1	Yes
R747	Residence	599327	4745777	1210	T55	33.8	33.0	33.4	40	43	45	49	51	0.4	Yes
R748	Residence	599226	4745790	1270	T55	35.1	34.9	35.0	40	43	45	49	51	0.1	Yes
R749	Residence	599190	4745819	1277	T55	35.0	34.9	34.9	40	43	45	49	51	0.0	Yes
R750	Residence	599035	4745799	1408	T55	34.7	34.5	34.5	40	43	45	49	51	0.0	Yes
R833	Residence	605343	4750757	655	T47	37.2	36.3	36.9	40	43	45	49	51	0.6	Yes
R834	Residence	605575	4750473	835	T47	36.2	35.4	36.0	40	43	45	49	51	0.6	Yes
R835	Residence	605720	4750430	982	T47	37.3	37.2	37.2	40	43	45	49	51	0.0	Yes
R836	Residence	605696	4749991	914	T19	36.5	35.8	36.3	40	43	45	49	51	0.5	Yes
R837	Residence	605690	4749662	737	T19	37.3	36.5	37.0	40	43	45	49	51	0.5	Yes
R838	Residence	605703	4749620	709	T19	37.5	36.7	37.2	40	43	45	49	51	0.5	Yes
R839	Residence	605643	4748297	1292	T19	37.2	37.0	37.1	40	43	45	49	51	0.1	Yes
R840	Residence	605764	4748120	1096	T6	36.1	35.3	35.8	40	43	45	49	51	0.5	Yes
R841	Residence	605750	4748007	1027	T6	36.4	35.6	36.1	40	43	45	49	51	0.5	Yes
R842	Church/Cntry	605627	4747409	871	T4	38.0	37.2	37.7	40	43	45	49	51	0.5	Yes
R843	Residence	605704	4747241	812	T6	38.5	37.8	38.3	40	43	45	49	51	0.5	Yes
R846	Residence	605935	4746482	913	T2	39.1	38.9	39.0	40	43	45	49	51	0.1	Yes
R847	Residence	605775	4746233	844	T2	38.2	37.8	37.9	40	43	45	49	51	0.1	Yes
R850	Residence	607958	4751829	1417	T57	30.5	29.7	30.2	40	43	45	49	51	0.5	Yes
R851	Residence	607982	4751795	1427	T57	30.6	29.8	30.2	40	43	45	49	51	0.4	Yes
R852	Residence	608009	4751642	1405	T57	31.2	30.4	30.9	40	43	45	49	51	0.5	Yes
R853	Residence	607759	4751532	1136	T57	33.9	33.8	33.9	40	43	45	49	51	0.1	Yes
R854	Residence	607971	4751536	1345	T57	31.7	30.9	31.4	40	43	45	49	51	0.5	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R855	Residence	607839	4751413	1196	T57	32.6	31.8	32.3	40	43	45	49	51	0.5	Yes
R856	Residence	607952	4751294	1302	T57	34.3	34.2	34.2	40	43	45	49	51	0.0	Yes
R857	Residence	607987	4751201	1339	T57	33.2	32.4	32.8	40	43	45	49	51	0.4	Yes
R858	Residence	607993	4751164	1348	T57	33.3	32.5	33.0	40	43	45	49	51	0.5	Yes
R859	Residence	608019	4751108	1327	T15	33.6	32.8	33.2	40	43	45	49	51	0.4	Yes
R860	Residence	608012	4751066	1286	T15	33.8	33.0	33.5	40	43	45	49	51	0.5	Yes
R861	Residence	608020	4751017	1237	T15	34.1	33.2	33.7	40	43	45	49	51	0.5	Yes
R862	Residence	608022	4750961	1181	T15	34.4	33.6	34.0	40	43	45	49	51	0.4	Yes
R863	Residence	608127	4751063	1269	T15	33.8	32.9	33.4	40	43	45	49	51	0.5	Yes
R864	Residence	607949	4750876	1114	T15	34.9	34.1	34.6	40	43	45	49	51	0.5	Yes
R865	Residence	607822	4750854	1132	T15	36.5	36.3	36.4	40	43	45	49	51	0.1	Yes
R868	Residence	608046	4750451	678	T15	39.5	39.4	39.5	40	43	45	49	51	0.1	Yes
R869	Residence	608262	4750475	677	T15	39.7	39.5	39.7	40	43	45	49	51	0.2	Yes
R870	Residence	608117	4748931	762	T26	38.8	38.0	38.6	40	43	45	49	51	0.6	Yes
R871	Residence	608129	4748827	848	T26	39.8	39.6	39.7	40	43	45	49	51	0.1	Yes
R872	Residence	608178	4747161	783	T8	38.8	37.9	38.4	40	43	45	49	51	0.5	Yes
R873	Church/Cmtry	605932	4750186	926	T19	36.4	35.6	36.1	40	43	45	49	51	0.5	Yes
R874	Residence	606274	4750424	937	T57	38.0	37.8	37.9	40	43	45	49	51	0.1	Yes
R875	Residence	606470	4750319	869	T30	37.3	36.5	37.1	40	43	45	49	51	0.6	Yes
R876	Residence	606392	4750588	741	T57	36.9	36.1	36.6	40	43	45	49	51	0.5	Yes
R877	Residence	606532	4750589	703	T57	38.7	38.5	38.6	40	43	45	49	51	0.1	Yes
R878	Residence	606614	4750374	846	T30	37.4	36.6	37.2	40	43	45	49	51	0.6	Yes
R879	Residence	606655	4750239	706	T30	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes
R880	Residence	606868	4750533	781	T57	38.7	38.6	38.7	40	43	45	49	51	0.1	Yes
R882	Residence	606964	4750569	779	T57	38.6	38.5	38.6	40	43	45	49	51	0.1	Yes
R883	Residence	606945	4750475	860	T57	37.3	36.6	37.1	40	43	45	49	51	0.5	Yes
R886	Residence	607150	4750896	632	T57	38.6	38.5	38.7	40	43	45	49	51	0.2	Yes
R887	Residence	607477	4751095	848	T57	36.6	36.4	36.5	40	43	45	49	51	0.1	Yes
R888	Residence	608625	4751083	1305	T49	34.9	34.7	34.8	40	43	45	49	51	0.1	Yes
R889	Residence	608648	4750939	1159	T49	34.5	33.6	34.1	40	43	45	49	51	0.5	Yes
R890	Residence	608874	4751026	1201	T50	35.0	34.8	34.9	40	43	45	49	51	0.1	Yes
R891	Residence	608719	4751015	1228	T50	33.8	33.0	33.5	40	43	45	49	51	0.5	Yes
R892	Residence	608867	4750841	1021	T50	36.4	36.2	36.3	40	43	45	49	51	0.1	Yes
R893	Residence	608936	4750785	953	T50	35.5	34.6	35.1	40	43	45	49	51	0.5	Yes
R894	Residence	609171	4750746	905	T50	35.3	34.4	34.9	40	43	45	49	51	0.5	Yes
R895	Residence	609351	4750635	832	T50	35.6	34.7	35.2	40	43	45	49	51	0.5	Yes
R896	Residence	609266	4750494	673	T50	37.6	36.6	37.2	40	43	45	49	51	0.6	Yes
R897	Residence	609365	4750498	709	T50	36.9	36.0	36.6	40	43	45	49	51	0.6	Yes
R898	Residence	609524	4750414	715	T50	36.6	35.6	36.2	40	43	45	49	51	0.6	Yes
R899	Residence	609517	4750539	815	T50	35.5	34.6	35.2	40	43	45	49	51	0.6	Yes
R900	Residence	609554	4750520	819	T50	35.5	34.5	35.1	40	43	45	49	51	0.6	Yes
R902	Residence	609624	4750505	849	T50	35.1	34.1	34.7	40	43	45	49	51	0.6	Yes
R903	Residence	609656	4750494	861	T50	34.9	34.0	34.5	40	43	45	49	51	0.5	Yes
R904	Residence	609612	4750387	752	T50	36.1	35.1	35.7	40	43	45	49	51	0.6	Yes
R905	Residence	609654	4750388	782	T50	35.7	34.7	35.3	40	43	45	49	51	0.6	Yes
R906	Residence	609692	4750478	873	T50	34.8	33.8	34.4	40	43	45	49	51	0.6	Yes
R907	Residence	609720	4750473	889	T50	34.6	33.6	34.2	40	43	45	49	51	0.6	Yes
R908	Residence	609780	4750444	913	T50	35.6	35.4	35.5	40	43	45	49	51	0.1	Yes
R910	Residence	609777	4750312	830	T50	35.1	34.1	34.7	40	43	45	49	51	0.6	Yes
R911	Residence	609830	4750284	860	T50	34.8	33.8	34.4	40	43	45	49	51	0.6	Yes
R912	Residence	609968	4750396	1036	T50	33.1	32.2	32.7	40	43	45	49	51	0.5	Yes
R913	Residence	610062	4750341	1090	T50	34.1	33.9	34.0	40	43	45	49	51	0.1	Yes
R914	Residence	609991	4750273	997	T50	34.8	34.6	34.7	40	43	45	49	51	0.1	Yes
R916	Residence	610412	4750483	1467	T50	30.1	29.2	29.7	40	43	45	49	51	0.5	Yes
R917	Residence	610294	4750489	1365	T50	30.8	29.9	30.4	40	43	45	49	51	0.5	Yes
R918	Residence	610213	4750494	1296	T50	31.2	30.3	30.8	40	43	45	49	51	0.5	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R919	Residence	610160	4750530	1270	T50	31.3	30.4	30.9	40	43	45	49	51	0.5	Yes
R920	Residence	610169	4750683	1366	T50	30.6	29.8	30.2	40	43	45	49	51	0.4	Yes
R921	Residence	610195	4750732	1416	T50	30.3	29.4	29.9	40	43	45	49	51	0.5	Yes
R922	Residence	610420	4750126	1358	T50	31.1	30.1	30.6	40	43	45	49	51	0.5	Yes
R923	Residence	610467	4750108	1401	T50	30.9	29.9	30.4	40	43	45	49	51	0.5	Yes
R924	Residence	610547	4749998	1464	T50	32.3	32.0	32.0	40	43	45	49	51	0.0	Yes
R925	Residence	610547	4749938	1459	T50	30.9	29.8	30.3	40	43	45	49	51	0.5	Yes
R926	Residence	610553	4749870	1462	T50	30.9	29.9	30.4	40	43	45	49	51	0.5	Yes
R927	Residence	610550	4749791	1459	T50	32.7	32.3	32.3	40	43	45	49	51	0.0	Yes
R928	Residence	610552	4749729	1465	T50	32.7	32.3	32.4	40	43	45	49	51	0.1	Yes
R929	Residence	610548	4749621	1473	T50	32.8	32.4	32.5	40	43	45	49	51	0.1	Yes
R930	Residence	610461	4749553	1400	T50	31.6	30.6	31.1	40	43	45	49	51	0.5	Yes
R931	Residence	610344	4749510	1296	T50	32.2	31.1	31.6	40	43	45	49	51	0.5	Yes
R932	Residence	610271	4749473	1236	T50	32.5	31.5	32.0	40	43	45	49	51	0.5	Yes
R969	Residence	613187	4748438	1211	T59	35.0	34.0	34.4	40	43	45	49	51	0.4	Yes
R970	Residence	613194	4747795	971	T67	38.0	37.5	37.6	40	43	45	49	51	0.1	Yes
R971	Residence	613199	4747089	1106	T67	37.2	36.4	36.4	40	43	45	49	51	0.0	Yes
R972	Residence	613121	4746541	1405	T67	36.2	34.2	34.2	40	43	45	49	51	0.0	Yes
R978	Residence	613371	4747303	1046	T61	36.4	35.2	35.7	40	43	45	49	51	0.5	Yes
R979	Residence	605950	4748034	910	T6	38.4	38.3	38.4	40	43	45	49	51	0.1	Yes
R980	Residence	606095	4748176	953	T6	37.0	36.2	36.7	40	43	45	49	51	0.5	Yes
R981	Residence	606306	4748111	818	T6	39.4	39.2	39.3	40	43	45	49	51	0.1	Yes
R982	Residence	606361	4748354	1014	T19	38.8	38.6	38.7	40	43	45	49	51	0.1	Yes
R983	Residence	606476	4748366	1008	T19	37.5	36.7	37.2	40	43	45	49	51	0.5	Yes
R984	Residence	606560	4748374	1012	T19	39.1	38.9	39.0	40	43	45	49	51	0.1	Yes
R985	Residence	606619	4748371	1028	T19	39.2	39.0	39.1	40	43	45	49	51	0.1	Yes
R986	Residence	606668	4748301	967	T69	38.0	37.2	37.7	40	43	45	49	51	0.5	Yes
R987	Residence	606714	4748336	990	T69	37.9	37.2	37.7	40	43	45	49	51	0.5	Yes
R989	Residence	606762	4748554	905	T19	39.3	39.2	39.3	40	43	45	49	51	0.1	Yes
R990	Residence	607080	4748357	933	T8	39.7	39.5	39.6	40	43	45	49	51	0.1	Yes
R991	Residence	607125	4748380	936	T8	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes
R992	Residence	607502	4748512	972	T26	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
R993	Residence	607761	4748791	711	T26	38.7	37.8	38.4	40	43	45	49	51	0.6	Yes
R998	Residence	608830	4748944	843	T49	37.9	37.0	37.6	40	43	45	49	51	0.6	Yes
R1001	Residence	609162	4749051	796	T50	37.7	36.7	37.3	40	43	45	49	51	0.6	Yes
R1003	Residence	609297	4749108	764	T50	37.5	36.5	37.1	40	43	45	49	51	0.6	Yes
R1004	Residence	609463	4749232	716	T50	37.4	36.4	37.0	40	43	45	49	51	0.6	Yes
R1005	Residence	609493	4749245	721	T50	37.3	36.3	36.9	40	43	45	49	51	0.6	Yes
R1006	Residence	609512	4749020	925	T50	37.1	36.8	36.9	40	43	45	49	51	0.1	Yes
R1007	Residence	609528	4749353	657	T50	39.0	38.7	38.9	40	43	45	49	51	0.2	Yes
R1008	Residence	609764	4749241	903	T50	36.6	36.3	36.4	40	43	45	49	51	0.1	Yes
R1009	Residence	609792	4749331	868	T50	35.4	34.4	34.9	40	43	45	49	51	0.5	Yes
R1010	Residence	609897	4749365	937	T50	34.7	33.4	33.9	40	43	45	49	51	0.5	Yes
R1011	Residence	610003	4749425	1003	T50	34.1	32.9	33.4	40	43	45	49	51	0.5	Yes
R1012	Residence	609989	4749239	1082	T50	35.2	34.9	35.0	40	43	45	49	51	0.1	Yes
R1013	Residence	610252	4749464	1221	T50	32.6	31.6	32.1	40	43	45	49	51	0.5	Yes
R1014	Residence	610399	4749434	1370	T50	31.9	30.9	31.4	40	43	45	49	51	0.5	Yes
R1015	Residence	610498	4749473	1455	T50	31.5	30.5	30.9	40	43	45	49	51	0.4	Yes
R1030	Residence	612873	4747259	738	T67	37.2	35.9	36.4	40	43	45	49	51	0.5	Yes
R1031	Residence	612903	4747387	710	T67	38.7	38.1	38.3	40	43	45	49	51	0.2	Yes
R1032	Residence	612591	4746399	1284	T67	37.3	34.2	34.2	40	43	45	49	51	0.0	Yes
R1034	Residence	612134	4746446	1015	T66	38.3	35.6	35.8	40	43	45	49	51	0.2	Yes
R1035	Residence	612390	4746253	1299	T66	37.9	33.7	33.7	40	43	45	49	51	0.0	Yes
R1036	Residence	611789	4746055	1334	T66	39.4	33.0	33.1	40	43	45	49	51	0.1	Yes
R1037	Residence	611689	4746520	871	T66	37.6	35.0	35.5	40	43	45	49	51	0.5	Yes
R1039	Residence	611370	4746205	1203	T65	39.0	33.8	33.9	40	43	45	49	51	0.1	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R1040	Residence	611203	4746212	1222	T65	37.4	31.4	32.0	40	43	45	49	51	0.6	Yes
R1041	Residence	610774	4746293	1315	T65	37.1	30.6	31.1	40	43	45	49	51	0.5	Yes
R1042	Residence	610778	4746188	1403	T65	39.2	32.3	32.4	40	43	45	49	51	0.1	Yes
R1043	Residence	610706	4746267	1374	T65	38.8	32.5	32.5	40	43	45	49	51	0.0	Yes
R1054	Residence	611697	4748184	770	T67	39.4	39.0	39.2	40	43	45	49	51	0.2	Yes
R1055	Residence	611653	4748174	790	T65	39.4	39.0	39.2	40	43	45	49	51	0.2	Yes
R1057	Residence	611375	4748156	760	T65	37.5	36.3	36.9	40	43	45	49	51	0.6	Yes
R1058	Residence	611223	4748159	798	T65	38.0	37.5	37.7	40	43	45	49	51	0.2	Yes
R1059	Residence	610900	4748217	999	T65	36.1	35.5	35.6	40	43	45	49	51	0.1	Yes
R1060	Residence	610879	4748136	947	T65	35.1	33.8	34.3	40	43	45	49	51	0.5	Yes
R1061	Residence	610694	4748210	1126	T65	33.9	32.5	33.0	40	43	45	49	51	0.5	Yes
R1062	Residence	610713	4748000	971	T65	34.9	33.5	34.0	40	43	45	49	51	0.5	Yes
R1064	Residence	611651	4748966	1455	T67	33.6	33.0	33.1	40	43	45	49	51	0.1	Yes
R1065	Residence	611693	4748496	1019	T67	36.6	36.1	36.2	40	43	45	49	51	0.1	Yes
R1068	Residence	610785	4748664	1439	T65	32.5	31.2	31.7	40	43	45	49	51	0.5	Yes
R1069	Residence	610600	4748469	1382	T65	32.8	31.5	32.0	40	43	45	49	51	0.5	Yes
R1070	Residence	610603	4748036	1081	T65	35.6	34.9	35.0	40	43	45	49	51	0.1	Yes
R1071	Residence	610632	4747961	1015	T65	34.6	33.1	33.7	40	43	45	49	51	0.6	Yes
R1072	Residence	610632	4747923	994	T65	34.7	33.3	33.8	40	43	45	49	51	0.5	Yes
R1073	Residence	610618	4747891	990	T65	36.2	35.4	35.5	40	43	45	49	51	0.1	Yes
R1074	Residence	610440	4747686	1077	T65	34.3	32.7	33.2	40	43	45	49	51	0.5	Yes
R1075	Residence	610646	4747026	915	T65	37.3	35.6	35.8	40	43	45	49	51	0.2	Yes
R1076	Residence	610724	4747088	819	T65	37.9	36.5	36.6	40	43	45	49	51	0.1	Yes
R1078	Residence	610243	4747195	1254	T65	35.7	33.8	33.8	40	43	45	49	51	0.0	Yes
R1079	Residence	610188	4747321	1294	T65	35.4	33.7	33.8	40	43	45	49	51	0.1	Yes
R1080	Residence	609418	4747176	1203	T7	33.9	31.9	32.3	40	43	45	49	51	0.4	Yes
R1175	Residence	599409	4744277	1142	T9	31.5	30.5	30.9	40	43	45	49	51	0.4	Yes
R1176	Residence	599716	4744208	982	T9	32.4	31.5	32.0	40	43	45	49	51	0.5	Yes
R1177	Residence	599876	4744260	852	T9	34.8	34.7	34.8	40	43	45	49	51	0.1	Yes
R1178	Residence	599962	4744287	789	T9	34.2	33.3	33.9	40	43	45	49	51	0.6	Yes
R1179	Residence	600138	4744292	729	T9	36.1	35.9	36.1	40	43	45	49	51	0.2	Yes
R1197	Residence	600875	4744097	1080	T9	34.2	34.2	34.3	40	43	45	49	51	0.1	Yes
R1198	Residence	600965	4744203	1048	T9	33.1	32.3	32.8	40	43	45	49	51	0.5	Yes
R1199	Residence	601078	4744166	1145	T51	32.8	32.0	32.5	40	43	45	49	51	0.5	Yes
R1200	Residence	601100	4744309	1020	T51	33.8	33.0	33.5	40	43	45	49	51	0.5	Yes
R1201	Residence	601067	4744406	971	T51	34.4	33.6	34.2	40	43	45	49	51	0.6	Yes
R1202	Residence	601044	4744488	914	T9	35.0	34.2	34.7	40	43	45	49	51	0.5	Yes
R1203	Residence	601113	4744493	878	T51	35.0	34.2	34.8	40	43	45	49	51	0.6	Yes
R1204	Residence	601127	4744449	898	T51	34.8	33.9	34.5	40	43	45	49	51	0.6	Yes
R1205	Residence	601136	4744420	913	T51	34.6	33.8	34.3	40	43	45	49	51	0.5	Yes
R1206	Residence	601188	4744341	939	T51	34.1	33.3	33.8	40	43	45	49	51	0.5	Yes
R1207	Residence	601241	4744182	1042	T51	34.4	34.2	34.3	40	43	45	49	51	0.1	Yes
R1208	Residence	601327	4744200	986	T51	34.6	34.4	34.6	40	43	45	49	51	0.2	Yes
R1209	Residence	601484	4744221	907	T51	33.6	32.7	33.3	40	43	45	49	51	0.6	Yes
R1210	Residence	601710	4744383	703	T51	35.6	34.7	35.3	40	43	45	49	51	0.6	Yes
R1211	Residence	601690	4744287	801	T51	34.5	33.6	34.2	40	43	45	49	51	0.6	Yes
R1213	Residence	601857	4744360	731	T51	35.2	34.3	34.9	40	43	45	49	51	0.6	Yes
R1214	Residence	602243	4744481	772	T51	35.0	34.0	34.6	40	43	45	49	51	0.6	Yes
R1215	Residence	602178	4744501	717	T51	35.6	34.6	35.2	40	43	45	49	51	0.6	Yes
R1216	Residence	602296	4744506	787	T51	34.9	33.9	34.5	40	43	45	49	51	0.6	Yes
R1217	Residence	602277	4744553	740	T51	35.4	34.5	35.1	40	43	45	49	51	0.6	Yes
R1218	Residence	602260	4744622	679	T51	36.2	35.2	35.9	40	43	45	49	51	0.7	Yes
R1219	Residence	602244	4744669	636	T51	36.8	35.8	36.5	40	43	45	49	51	0.7	Yes
R1220	Residence	602226	4744731	583	T51	37.6	36.6	37.3	40	43	45	49	51	0.7	Yes
R1221	Residence	602263	4744752	601	T51	37.4	36.4	37.1	40	43	45	49	51	0.7	Yes
R1222	Residence	602289	4744783	607	T51	37.4	36.4	37.1	40	43	45	49	51	0.7	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R1223	Residence	602438	4744752	753	T51	35.9	35.0	35.6	40	43	45	49	51	0.6	Yes
R1224	Residence	602483	4744783	781	T51	35.8	34.8	35.4	40	43	45	49	51	0.6	Yes
R1225	Residence	602514	4744802	803	T51	35.7	34.7	35.2	40	43	45	49	51	0.5	Yes
R1226	Residence	602668	4744863	932	T5	35.3	34.3	34.8	40	43	45	49	51	0.5	Yes
R1227	Residence	602729	4744960	831	T5	35.9	35.0	35.6	40	43	45	49	51	0.6	Yes
R1228	Residence	602766	4744896	895	T5	35.2	34.3	34.8	40	43	45	49	51	0.5	Yes
R1229	Residence	602871	4744919	879	T5	35.1	34.2	34.8	40	43	45	49	51	0.6	Yes
R1230	Residence	602844	4745056	740	T5	37.6	37.4	37.6	40	43	45	49	51	0.2	Yes
R1231	Residence	602969	4744977	841	T5	36.5	36.3	36.5	40	43	45	49	51	0.2	Yes
R1232	Residence	603058	4745045	804	T5	35.4	34.5	35.0	40	43	45	49	51	0.5	Yes
R1235	Residence	603158	4745404	557	T5	39.3	39.3	39.5	40	43	45	49	51	0.2	Yes
R1236	Residence	603098	4745346	560	T5	39.4	39.2	39.5	40	43	45	49	51	0.3	Yes
R1237	Residence	603254	4745487	582	T5	39.2	39.0	39.3	40	43	45	49	51	0.3	Yes
R1238	Residence	603322	4745521	626	T5	37.6	36.6	37.3	40	43	45	49	51	0.7	Yes
R1239	Residence	603387	4745554	673	T5	38.2	38.1	38.3	40	43	45	49	51	0.2	Yes
R1240	Residence	603454	4745613	719	T5	37.9	37.7	37.9	40	43	45	49	51	0.2	Yes
R1241	Residence	603574	4745600	839	T5	35.5	34.7	35.2	40	43	45	49	51	0.5	Yes
R1242	Residence	603655	4745715	901	T5	35.3	34.4	35.0	40	43	45	49	51	0.6	Yes
R1243	Residence	603819	4745627	1074	T5	35.6	35.3	35.4	40	43	45	49	51	0.1	Yes
R1244	Residence	604015	4745594	1273	T5	33.4	32.5	32.9	40	43	45	49	51	0.4	Yes
R1245	Residence	604102	4745564	1364	T5	34.6	34.5	34.5	40	43	45	49	51	0.0	Yes
R1246	Residence	604234	4745536	1363	T2	32.9	32.1	32.6	40	43	45	49	51	0.5	Yes
R1247	Residence	604481	4745466	1297	T2	34.1	33.9	34.0	40	43	45	49	51	0.1	Yes
R1248	Residence	604624	4745332	1370	T2	31.9	31.1	31.6	40	43	45	49	51	0.5	Yes
R1249	Residence	604802	4745450	1211	T2	32.6	31.8	32.3	40	43	45	49	51	0.5	Yes
R1250	Residence	604848	4745463	1190	T2	34.2	34.1	34.2	40	43	45	49	51	0.1	Yes
R1251	Residence	605026	4745567	1072	T2	33.5	32.6	33.1	40	43	45	49	51	0.5	Yes
R1252	Residence	605147	4745724	921	T2	34.6	33.7	34.3	40	43	45	49	51	0.6	Yes
R1254	Residence	605312	4745909	780	T2	37.3	37.0	37.2	40	43	45	49	51	0.2	Yes
R1255	Residence	605350	4745949	758	T2	36.3	35.2	35.8	40	43	45	49	51	0.6	Yes
R1256	Residence	605478	4746020	761	T2	36.5	35.4	35.9	40	43	45	49	51	0.5	Yes
R1257	Residence	605596	4746099	778	T2	36.6	35.5	36.0	40	43	45	49	51	0.5	Yes
R1258	Residence	605657	4746168	780	T2	36.8	35.7	36.2	40	43	45	49	51	0.5	Yes
R1259	Residence	605705	4746214	793	T2	36.9	35.9	36.4	40	43	45	49	51	0.5	Yes
R1260	Residence	605865	4746245	918	T2	36.7	35.8	36.2	40	43	45	49	51	0.4	Yes
R1261	Residence	606016	4746262	1050	T2	36.8	35.9	36.3	40	43	45	49	51	0.4	Yes
R1262	Residence	606225	4746262	914	T3	37.5	36.6	37.1	40	43	45	49	51	0.5	Yes
R1263	Residence	606300	4746250	865	T3	37.8	36.9	37.4	40	43	45	49	51	0.5	Yes
R1264	Residence	606405	4746198	829	T3	39.3	39.1	39.2	40	43	45	49	51	0.1	Yes
R1265	Residence	606410	4746292	756	T3	40.0	39.8	39.9	40	43	45	49	51	0.1	Yes
R1266	Residence	606477	4746175	803	T3	38.3	37.3	37.9	40	43	45	49	51	0.6	Yes
R1268	Residence	599155	4744249	1363	T9	30.6	29.3	29.6	40	43	45	49	51	0.3	Yes
R1270	Residence	600618	4744281	794	T9	36.0	36.0	36.1	40	43	45	49	51	0.1	Yes
R1271	Residence	601121	4744241	1059	T51	33.3	32.5	33.0	40	43	45	49	51	0.5	Yes
R1272	Residence	601162	4744445	877	T51	34.8	34.0	34.5	40	43	45	49	51	0.5	Yes
R1273	Residence	601149	4744482	859	T51	35.0	34.2	34.8	40	43	45	49	51	0.6	Yes
R1274	Residence	601765	4744383	702	T51	36.7	36.6	36.8	40	43	45	49	51	0.2	Yes
R1275	Residence	602403	4744730	732	T51	36.0	35.1	35.7	40	43	45	49	51	0.6	Yes
R1276	Residence	602348	4744693	705	T51	36.1	35.2	35.8	40	43	45	49	51	0.6	Yes
R1277	Residence	602591	4744824	869	T51	35.4	33.9	34.3	40	43	45	49	51	0.4	Yes
R1278	Residence	603032	4744949	885	T5	34.7	33.8	34.3	40	43	45	49	51	0.5	Yes
R1280	Residence	604339	4745437	1388	T2	32.4	31.6	32.1	40	43	45	49	51	0.5	Yes
R1281	Residence	610543	4750080	1471	T50	30.6	29.6	30.2	40	43	45	49	51	0.6	Yes
R1284	Residence	612396	4746190	579	T67	39.5	39.2	39.4	40	43	45	49	51	0.2	Yes
R1287	Residence	610389	4749526	1336	T50	33.5	33.1	33.1	40	43	45	49	51	0.0	Yes
R1288	Residence	610307	4749494	1265	T50	33.9	33.5	33.5	40	43	45	49	51	0.0	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R1289	Residence	607360	4748447	942	T8	38.0	37.3	37.8	40	43	45	49	51	0.5	Yes
R1290	Residence	607465	4748505	983	T26	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
R1291	Residence	604283	4747531	789	T4	38.7	38.5	38.7	40	43	45	49	51	0.2	Yes
R1292	Church	604071	4747354	868	T4	36.9	36.2	36.7	40	43	45	49	51	0.5	Yes
R1293	Residence	604013	4747337	915	T11	36.8	36.1	36.6	40	43	45	49	51	0.5	Yes
R1294	Residence	603883	4747383	804	T11	36.9	36.1	36.7	40	43	45	49	51	0.6	Yes
R1295	Cemetery	603036	4746963	755	T21	37.1	36.3	36.9	40	43	45	49	51	0.6	Yes
R1296	Residence	602136	4746629	651	T21	38.6	37.8	38.4	40	43	45	49	51	0.6	Yes
R1297	Residence	602077	4746608	692	T21	38.4	37.7	38.3	40	43	45	49	51	0.6	Yes
R1298	Residence	601257	4746362	781	T12	36.8	36.0	36.6	40	43	45	49	51	0.6	Yes
R1299	Residence	600884	4746644	748	T55	39.3	39.1	39.3	40	43	45	49	51	0.2	Yes
R1300	Residence	599816	4745925	817	T55	36.0	35.2	35.7	40	43	45	49	51	0.5	Yes
R1301	Residence	599520	4745846	1034	T55	36.0	35.9	36.0	40	43	45	49	51	0.1	Yes
R1317	Residence	596911	4748474	203	MV47	36.1	35.0	35.0	40	43	45	49	51	0.0	Yes
R1318	Residence	600507	4749685	703	T42	38.2	37.2	37.7	40	43	45	49	51	0.5	Yes
R1319	Cemetery	600949	4749831	787	T42	37.2	36.3	36.8	40	43	45	49	51	0.5	Yes
R1320	Residence	601254	4749900	994	T42	36.3	35.6	36.0	40	43	45	49	51	0.4	Yes
R1321	Residence	602258	4750261	865	T38	37.8	36.8	37.4	40	43	45	49	51	0.6	Yes
R1322	Residence	607521	4750401	922	T26	38.9	38.8	38.9	40	43	45	49	51	0.1	Yes
R1323	Residence	608448	4750798	1023	T15	37.0	36.8	36.9	40	43	45	49	51	0.1	Yes
R1324	Residence	610503	4750088	1432	T50	30.8	29.8	30.3	40	43	45	49	51	0.5	Yes
R1339	Residence	597745	4751805	1329	MV1	30.8	29.5	29.5	40	43	45	49	51	0.0	Yes
R1340	Residence	596752	4751619	1214	MV7	30.5	28.4	28.4	40	43	45	49	51	0.0	Yes
R1341	Residence	595975	4751290	1170	MV24	32.5	31.6	31.6	40	43	45	49	51	0.0	Yes
R1342	Cemetery	595363	4751782	718	T13	35.1	33.0	33.5	40	43	45	49	51	0.5	Yes
R1345	Residence	591163	4755213	1288	T36	32.4	31.5	32.0	40	43	45	49	51	0.5	Yes
R1346	Residence	589647	4754869	714	T33	39.5	39.3	39.5	40	43	45	49	51	0.2	Yes
R1347	Residence	589576	4754708	815	T34	39.3	39.1	39.2	40	43	45	49	51	0.1	Yes
R1348	Residence	589652	4754718	808	T34	38.1	37.3	37.9	40	43	45	49	51	0.6	Yes
R1349	Residence	589456	4754653	804	T34	37.6	36.8	37.4	40	43	45	49	51	0.6	Yes
R1350	Residence	589245	4754583	857	T34	36.8	35.9	36.5	40	43	45	49	51	0.6	Yes
R1351	Residence	588735	4754408	1161	T34	34.7	33.9	34.4	40	43	45	49	51	0.5	Yes
R1352	Residence	588699	4754321	1153	T18	36.4	36.2	36.3	40	43	45	49	51	0.1	Yes
R1353	Residence	587667	4753972	587	T18	37.3	36.3	36.9	40	43	45	49	51	0.6	Yes
R1355	Residence	590165	4752841	1042	T45	36.8	36.1	36.5	40	43	45	49	51	0.4	Yes
R1356	Residence	591819	4753796	1426	T41	33.5	33.3	33.4	40	43	45	49	51	0.1	Yes
R1357	Residence	592526	4751432	1363	T23	33.2	32.4	32.8	40	43	45	49	51	0.4	Yes
R1358	Church	592623	4751296	1484	T23	33.2	32.4	32.7	40	43	45	49	51	0.3	Yes
R1359	Residence	592604	4751223	1458	T24	34.9	34.7	34.7	40	43	45	49	51	0.0	Yes
R1360	Cemetery	592721	4750979	1257	T24	33.8	33.0	33.4	40	43	45	49	51	0.4	Yes
R1361	Residence	592713	4750884	1166	T24	35.7	35.5	35.5	40	43	45	49	51	0.0	Yes
R1362	Residence	596041	4748115	607	MV37	35.0	32.5	32.6	40	43	45	49	51	0.1	Yes
R1363	Residence	605436	4749676	979	T19	38.1	38.0	38.1	40	43	45	49	51	0.1	Yes
R1365	Residence	604691	4746151	597	T2	39.4	39.1	39.4	40	43	45	49	51	0.3	Yes
R1366	Residence	604172	4747645	821	T11	37.0	36.3	36.9	40	43	45	49	51	0.6	Yes
R1367	Residence	604214	4747808	788	T11	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
R1368	Residence	599891	4744541	611	T9	37.6	37.5	37.7	40	43	45	49	51	0.2	Yes
R1369	Residence	597557	4748243	213	MV55	36.6	35.6	35.6	40	43	45	49	51	0.0	Yes
R1373	Cemetery	593234	4749040	784	T20	36.8	36.0	36.4	40	43	45	49	51	0.4	Yes
R1374	Residence	591967	4748965	784	T20	38.6	38.5	38.6	40	43	45	49	51	0.1	Yes
R1375	Residence	595224	4750337	872	MV29	36.4	34.0	34.4	40	43	45	49	51	0.4	Yes
R1377	Residence	590824	4750807	899	T23	37.7	37.6	37.6	40	43	45	49	51	0.0	Yes
R1378	Residence	588798	4754249	1044	T34	35.4	35.1	35.1	40	43	45	49	51	0.5	Yes
R2137	Residence	588682	4749437	1400	T58	34.3	33.6	33.7	40	43	45	49	51	0.1	Yes
R2148	Residence	588903	4749463	1223	T58	35.4	35.5	35.4	40	43	45	49	51	-0.1	Yes
R2152	Residence	589043	4749522	1087	T58	35.3	35.4	35.3	40	43	45	49	51	-0.1	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R2153	Residence	589092	4749617	982	T58	35.4	35.5	35.4	40	43	45	49	51	-0.1	Yes
R2159	Residence	589173	4749645	909	T58	35.7	35.7	35.6	40	43	45	49	51	-0.1	Yes
R2164	Residence	589226	4749361	1122	T58	35.4	35.5	35.4	40	43	45	49	51	-0.1	Yes
R2165	Residence	589246	4749008	1438	T58	35.8	35.9	35.8	40	43	45	49	51	-0.1	Yes
R2170	Residence	589274	4749259	1194	T58	33.9	33.3	33.4	40	43	45	49	51	0.1	Yes
R2171	Residence	589275	4748942	1492	T58	34.3	33.6	33.7	40	43	45	49	51	0.1	Yes
R2179	Residence	589339	4748971	1445	T58	35.6	35.7	35.6	40	43	45	49	51	-0.1	Yes
R2552	Residence	587708	4752727	761	T18	36.9	36.0	36.5	40	43	45	49	51	0.5	Yes
R2565	Residence	588941	4756653	1252	T33	30.9	30.0	30.5	40	43	45	49	51	0.5	Yes
R2566	Residence	589212	4756734	1212	T33	31.5	30.6	31.1	40	43	45	49	51	0.5	Yes
R2567	Residence	589214	4756612	1096	T33	33.9	33.7	33.8	40	43	45	49	51	0.1	Yes
R2568	Residence	589438	4756707	1095	T36	33.9	33.7	33.8	40	43	45	49	51	0.1	Yes
R2569	Residence	590273	4756764	1034	T36	32.2	31.2	31.8	40	43	45	49	51	0.6	Yes
R2575	Residence	590669	4756914	1329	T36	29.6	28.7	29.1	40	43	45	49	51	0.4	Yes
R2593	Residence	588815	4754488	1127	T34	34.8	34.0	34.5	40	43	45	49	51	0.5	Yes
R2594	Residence	588810	4754529	1153	T34	36.2	36.0	36.0	40	43	45	49	51	0.0	Yes
R2595	Residence	588804	4754551	1170	T34	36.1	35.9	36.0	40	43	45	49	51	0.1	Yes
R2596	Residence	588812	4754658	1205	T33	35.9	35.8	35.8	40	43	45	49	51	0.0	Yes
R2597	Residence	588740	4754708	1217	T33	34.1	33.2	33.6	40	43	45	49	51	0.4	Yes
R2598	Residence	588806	4754705	1174	T33	34.4	33.5	34.0	40	43	45	49	51	0.5	Yes
R2599	Residence	588802	4754729	1159	T33	35.8	35.6	35.7	40	43	45	49	51	0.1	Yes
R2600	Residence	588742	4754750	1185	T33	34.0	33.1	33.6	40	43	45	49	51	0.5	Yes
R2601	Residence	588810	4754778	1118	T33	34.3	33.3	33.8	40	43	45	49	51	0.5	Yes
R2602	Residence	588798	4754846	1079	T33	34.3	33.4	33.8	40	43	45	49	51	0.4	Yes
R2603	Residence	588798	4754888	1050	T33	34.3	33.4	33.8	40	43	45	49	51	0.4	Yes
R2604	Residence	588794	4754938	1021	T33	34.3	33.4	33.8	40	43	45	49	51	0.4	Yes
R2605	Residence	588807	4754968	992	T33	34.4	33.5	33.9	40	43	45	49	51	0.4	Yes
R2606	Residence	588727	4754995	1041	T33	33.9	33.0	33.5	40	43	45	49	51	0.5	Yes
R2607	Residence	588721	4755021	1032	T33	35.4	35.1	35.1	40	43	45	49	51	0.0	Yes
R2608	Residence	588723	4755058	1010	T33	34.0	33.0	33.5	40	43	45	49	51	0.5	Yes
R2609	Residence	589079	4755160	660	T33	38.3	38.1	38.3	40	43	45	49	51	0.2	Yes
R2610	Residence	588746	4755190	928	T33	35.6	35.5	35.6	40	43	45	49	51	0.1	Yes
R2611	Residence	588563	4755681	1029	T33	32.8	31.8	32.3	40	43	45	49	51	0.5	Yes
R2612	Residence	590660	4755225	854	T36	35.7	34.8	35.3	40	43	45	49	51	0.5	Yes
R2613	Residence	591118	4755577	1134	T36	32.3	31.4	31.9	40	43	45	49	51	0.5	Yes
R2614	Residence	590790	4755825	793	T36	35.0	34.0	34.6	40	43	45	49	51	0.6	Yes
R2615	Residence	590763	4756039	811	T36	34.6	33.6	34.2	40	43	45	49	51	0.6	Yes
R2616	Residence	591052	4756107	1106	T36	31.7	30.8	31.3	40	43	45	49	51	0.5	Yes
R2617	Residence	590733	4756216	860	T36	35.1	35.0	35.1	40	43	45	49	51	0.1	Yes
R2618	Residence	590584	4756621	1035	T36	32.1	30.8	31.3	40	43	45	49	51	0.5	Yes
R2684	Residence	595503	4752598	1290	T13	29.5	28.1	28.6	40	43	45	49	51	0.5	Yes
R2769	Residence	600698	4752432	1477	T22	30.0	29.1	29.6	40	43	45	49	51	0.5	Yes
R2770	Residence	600746	4752435	1445	T22	30.1	29.2	29.7	40	43	45	49	51	0.5	Yes
R2853	Residence	613529	4749080	1267	T59	34.8	34.4	34.5	40	43	45	49	51	0.1	Yes
R2854	Residence	613588	4749067	1220	T59	35.1	34.7	34.8	40	43	45	49	51	0.1	Yes
R2855	Residence	613637	4749067	1190	T59	33.8	32.8	33.2	40	43	45	49	51	0.4	Yes
R2856	Residence	613678	4749065	1164	T59	35.4	35.1	35.1	40	43	45	49	51	0.0	Yes
R2857	Residence	613945	4748917	898	T59	37.5	37.3	37.4	40	43	45	49	51	0.1	Yes
R2858	Residence	614063	4749005	933	T59	37.2	37.0	37.1	40	43	45	49	51	0.1	Yes
R2859	Residence	613872	4749378	1349	T59	32.5	31.5	32.0	40	43	45	49	51	0.5	Yes
R2860	Residence	614031	4749116	1049	T59	34.9	33.9	34.4	40	43	45	49	51	0.5	Yes
R2861	Residence	614103	4749005	922	T59	37.4	37.1	37.2	40	43	45	49	51	0.1	Yes
R2862	Residence	614273	4748963	848	T59	37.1	36.1	36.6	40	43	45	49	51	0.5	Yes
R2863	Residence	614749	4748859	686	T62	39.6	39.4	39.6	40	43	45	49	51	0.2	Yes
R2864	Residence	614999	4749000	883	T62	37.4	37.1	37.3	40	43	45	49	51	0.2	Yes
R2865	Residence	615167	4748954	917	T62	35.8	34.8	35.3	40	43	45	49	51	0.5	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R2866	Residence	615288	4748965	996	T62	35.1	34.1	34.6	40	43	45	49	51	0.5	Yes
R2867	Residence	615377	4748975	1060	T62	35.9	35.6	35.7	40	43	45	49	51	0.1	Yes
R2868	Residence	615424	4748867	1015	T62	35.0	34.0	34.5	40	43	45	49	51	0.5	Yes
R2869	Residence	615505	4748906	1101	T62	34.3	33.3	33.7	40	43	45	49	51	0.4	Yes
R2870	Residence	615561	4748928	1158	T62	33.8	32.8	33.3	40	43	45	49	51	0.5	Yes
R2871	Residence	615617	4748915	1193	T62	33.6	32.6	33.0	40	43	45	49	51	0.4	Yes
R2872	Residence	615664	4748908	1226	T62	33.3	32.4	32.8	40	43	45	49	51	0.4	Yes
R2873	Residence	615684	4748912	1244	T62	33.2	32.2	32.6	40	43	45	49	51	0.4	Yes
R2874	Residence	615695	4748911	1253	T62	33.1	32.2	32.6	40	43	45	49	51	0.4	Yes
R2875	Residence	615710	4748901	1259	T62	34.5	34.3	34.3	40	43	45	49	51	0.0	Yes
R2876	Residence	615895	4748840	1384	T62	33.7	33.5	33.6	40	43	45	49	51	0.1	Yes
R2877	Residence	615297	4748729	828	T62	36.9	35.9	36.4	40	43	45	49	51	0.5	Yes
R2878	Residence	615337	4748686	831	T62	38.1	37.9	38.1	40	43	45	49	51	0.2	Yes
R2879	Residence	615393	4748706	888	T62	36.4	35.4	35.9	40	43	45	49	51	0.5	Yes
R2880	Residence	615299	4748591	745	T62	38.0	37.0	37.5	40	43	45	49	51	0.5	Yes
R2881	Residence	615856	4748359	1190	T62	34.6	33.6	34.0	40	43	45	49	51	0.4	Yes
R2884	Residence	615606	4747479	632	T60	39.1	38.0	38.5	40	43	45	49	51	0.5	Yes
R2885	Residence	615610	4747398	640	T60	39.9	39.7	39.9	40	43	45	49	51	0.2	Yes
R2886	Residence	615621	4747295	670	T60	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
R2887	Residence	615643	4747237	708	T60	39.0	38.8	38.9	40	43	45	49	51	0.1	Yes
R2888	Residence	615774	4747076	891	T60	35.8	34.8	35.2	40	43	45	49	51	0.4	Yes
R2889	Residence	615656	4747090	780	T60	38.2	38.0	38.1	40	43	45	49	51	0.1	Yes
R2890	Residence	615529	4747019	715	T60	39.0	38.8	38.9	40	43	45	49	51	0.1	Yes
R2891	Residence	615689	4746946	886	T60	37.2	36.9	37.0	40	43	45	49	51	0.1	Yes
R2892	Residence	615464	4746917	738	T60	38.9	38.6	38.8	40	43	45	49	51	0.2	Yes
R2893	Residence	615600	4746866	869	T60	37.4	37.1	37.3	40	43	45	49	51	0.2	Yes
R2894	Residence	615600	4746842	886	T60	36.0	35.0	35.4	40	43	45	49	51	0.4	Yes
R2895	Residence	615601	4746820	903	T60	37.1	36.8	36.9	40	43	45	49	51	0.1	Yes
R2896	Residence	615596	4746793	919	T60	35.7	34.7	35.1	40	43	45	49	51	0.4	Yes
R2897	Residence	615702	4746644	1101	T60	34.0	33.0	33.4	40	43	45	49	51	0.4	Yes
R2898	Residence	615664	4746580	1126	T60	33.9	32.8	33.2	40	43	45	49	51	0.4	Yes
R2899	Residence	615667	4746533	1165	T60	34.9	34.6	34.7	40	43	45	49	51	0.1	Yes
R2900	Residence	615687	4746450	1244	T60	33.0	31.9	32.2	40	43	45	49	51	0.3	Yes
R2901	Residence	615733	4746435	1283	T60	32.6	31.5	31.9	40	43	45	49	51	0.4	Yes
R2902	Residence	615835	4746424	1354	T60	33.5	33.1	33.2	40	43	45	49	51	0.1	Yes
R2903	Residence	615865	4746425	1373	T60	31.9	30.8	31.2	40	43	45	49	51	0.4	Yes
R2904	Residence	615888	4746426	1387	T60	31.8	30.7	31.1	40	43	45	49	51	0.4	Yes
R2905	Residence	615923	4746373	1450	T60	32.8	32.4	32.5	40	43	45	49	51	0.1	Yes
R2906	Residence	615855	4746372	1407	T60	31.7	30.6	30.9	40	43	45	49	51	0.3	Yes
R2907	Residence	615793	4746370	1371	T60	33.4	33.0	33.1	40	43	45	49	51	0.1	Yes
R2908	Residence	615760	4746367	1354	T60	33.6	33.2	33.2	40	43	45	49	51	0.0	Yes
R2909	Residence	615672	4746322	1343	T60	32.3	31.2	31.5	40	43	45	49	51	0.3	Yes
R2910	Residence	615671	4746337	1330	T60	32.4	31.3	31.6	40	43	45	49	51	0.3	Yes
R2935	Residence	615678	4746194	1457	T60	33.0	32.6	32.6	40	43	45	49	51	0.0	Yes
R2936	Residence	615587	4746151	1454	T60	31.7	30.5	30.8	40	43	45	49	51	0.3	Yes
R2940	Residence	613986	4746292	1269	T64	35.7	34.5	34.5	40	43	45	49	51	0.0	Yes
R2941	Residence	613795	4746445	1274	T64	36.1	34.9	34.9	40	43	45	49	51	0.0	Yes
R2942	Residence	614963	4745971	1391	T64	32.3	30.8	31.2	40	43	45	49	51	0.4	Yes
R2943	Residence	615452	4746047	1491	T64	33.0	32.4	32.4	40	43	45	49	51	0.0	Yes
R2944	Residence	615317	4745999	1472	T64	33.1	31.8	31.7	40	43	45	49	51	-0.1	Yes
R2945	Residence	615270	4745990	1461	T64	33.2	31.9	31.8	40	43	45	49	51	-0.1	Yes
R2946	Residence	615201	4745982	1443	T64	33.4	32.0	32.0	40	43	45	49	51	0.0	Yes
R2947	Residence	615163	4745975	1437	T64	33.4	32.7	32.8	40	43	45	49	51	0.1	Yes
R2948	Residence	615119	4745996	1404	T64	32.1	30.8	31.1	40	43	45	49	51	0.3	Yes
R2949	Residence	615096	4745995	1398	T64	33.7	33.0	33.0	40	43	45	49	51	0.0	Yes
R2950	Residence	615048	4745956	1423	T64	32.0	30.2	30.4	40	43	45	49	51	0.2	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R2951	Residence	614948	4745893	1485	T64	33.4	32.5	32.5	40	43	45	49	51	0.0	Yes
R2956	Residence	608109	4746658	782	T54	39.8	39.4	39.6	40	43	45	49	51	0.2	Yes
R2957	Residence	608357	4746426	987	T54	36.2	34.8	35.3	40	43	45	49	51	0.5	Yes
R2958	Residence	608707	4746214	1349	T54	34.2	32.0	32.5	40	43	45	49	51	0.5	Yes
R2962	Residence	608466	4746128	1129	T54	34.8	33.1	33.6	40	43	45	49	51	0.5	Yes
R2963	Residence	608468	4746035	1157	T54	34.6	32.7	33.2	40	43	45	49	51	0.5	Yes
R2967	Residence	608397	4745331	1482	T54	32.4	29.9	30.4	40	43	45	49	51	0.5	Yes
R2968	Residence	608356	4745336	1450	T54	32.5	30.1	30.6	40	43	45	49	51	0.5	Yes
R2969	Residence	608246	4745395	1333	T54	32.8	30.8	31.2	40	43	45	49	51	0.4	Yes
R2970	Residence	608217	4745386	1321	T54	32.8	30.8	31.3	40	43	45	49	51	0.5	Yes
R2971	Residence	608188	4745388	1301	T54	34.4	33.1	33.2	40	43	45	49	51	0.1	Yes
R2972	Residence	608153	4745370	1293	T54	32.9	31.0	31.4	40	43	45	49	51	0.4	Yes
R2973	Residence	608115	4745295	1332	T54	32.6	30.7	31.2	40	43	45	49	51	0.5	Yes
R2974	Residence	608037	4745283	1300	T54	32.6	30.9	31.3	40	43	45	49	51	0.4	Yes
R2975	Residence	607980	4745339	1223	T54	33.0	31.4	31.9	40	43	45	49	51	0.5	Yes
R2976	Residence	607928	4745334	1203	T54	33.1	31.5	32.0	40	43	45	49	51	0.5	Yes
R2977	Residence	607872	4745339	1173	T54	33.3	31.7	32.2	40	43	45	49	51	0.5	Yes
R2978	Residence	607883	4745386	1136	T54	33.5	32.0	32.5	40	43	45	49	51	0.5	Yes
R2979	Residence	607840	4745404	1101	T54	33.7	32.3	32.7	40	43	45	49	51	0.4	Yes
R2980	Residence	607820	4745429	1070	T54	33.9	32.5	33.0	40	43	45	49	51	0.5	Yes
R2981	Residence	607764	4745429	1047	T54	35.5	34.8	34.9	40	43	45	49	51	0.1	Yes
R2982	Residence	607770	4745508	977	T54	34.6	33.3	33.8	40	43	45	49	51	0.5	Yes
R2983	Residence	607746	4745554	925	T54	35.0	33.8	34.3	40	43	45	49	51	0.5	Yes
R2984	Residence	607808	4745565	942	T54	34.9	33.6	34.1	40	43	45	49	51	0.5	Yes
R2985	Residence	607910	4745549	1007	T54	34.5	33.1	33.6	40	43	45	49	51	0.5	Yes
R2986	Residence	608224	4745693	1108	T54	35.7	34.6	34.7	40	43	45	49	51	0.1	Yes
R2987	Residence	607921	4745639	939	T54	35.0	33.7	34.2	40	43	45	49	51	0.5	Yes
R2988	Residence	607591	4745688	745	T54	36.8	35.6	36.2	40	43	45	49	51	0.6	Yes
R2989	Residence	607682	4745524	929	T54	36.3	35.8	35.9	40	43	45	49	51	0.1	Yes
R2990	Residence	607517	4745553	859	T54	36.9	36.5	36.6	40	43	45	49	51	0.1	Yes
R2991	Residence	607451	4745579	824	T54	37.2	36.8	37.0	40	43	45	49	51	0.2	Yes
R2992	Residence	607395	4745606	794	T54	36.3	35.2	35.7	40	43	45	49	51	0.5	Yes
R2993	Residence	607326	4745633	768	T54	37.8	37.5	37.6	40	43	45	49	51	0.1	Yes
R2994	Residence	607299	4745645	758	T54	38.0	37.6	37.8	40	43	45	49	51	0.2	Yes
R2996	Residence	607205	4745687	731	T54	37.2	36.1	36.6	40	43	45	49	51	0.5	Yes
R2999	Residence	607008	4745773	723	T54	37.6	36.5	37.1	40	43	45	49	51	0.6	Yes
R3000	Residence	606972	4745819	704	T54	39.1	38.8	39.0	40	43	45	49	51	0.2	Yes
R3001	Residence	606899	4745850	724	T54	37.9	36.9	37.5	40	43	45	49	51	0.6	Yes
R3003	Residence	606820	4745928	724	T54	38.3	37.2	37.8	40	43	45	49	51	0.6	Yes
R3004	Residence	606775	4745949	746	T54	39.4	39.2	39.3	40	43	45	49	51	0.1	Yes
R3005	Residence	606662	4746033	797	T54	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
R3006	Residence	606613	4746055	831	T54	38.2	37.2	37.8	40	43	45	49	51	0.6	Yes
R3007	Residence	606553	4746136	795	T3	38.5	37.5	38.0	40	43	45	49	51	0.5	Yes
R3008	Residence	606535	4746146	795	T3	38.4	37.4	38.0	40	43	45	49	51	0.6	Yes
R3009	Residence	606506	4746153	805	T3	38.3	37.3	37.8	40	43	45	49	51	0.5	Yes
R3010	Residence	613716	4747311	741	T61	39.8	39.4	39.5	40	43	45	49	51	0.1	Yes
R3011	Residence	601417	4749222	779	T68	37.8	36.9	37.4	40	43	45	49	51	0.5	Yes
R3013	Residence	615577	4748915	1162	T62	35.2	34.9	35.0	40	43	45	49	51	0.1	Yes
R3014	Residence	615728	4748912	1280	T62	32.9	32.0	32.4	40	43	45	49	51	0.4	Yes
R3015	Residence	615753	4748897	1292	T62	34.3	34.1	34.1	40	43	45	49	51	0.0	Yes
R3016	Residence	615773	4748872	1295	T62	32.9	31.9	32.3	40	43	45	49	51	0.4	Yes
R3018	Residence	615756	4747640	800	T60	37.3	36.3	36.7	40	43	45	49	51	0.4	Yes
R3019	Residence	615777	4747519	804	T60	37.0	36.0	36.4	40	43	45	49	51	0.4	Yes
R3020	Residence	615852	4747405	880	T60	36.1	35.1	35.5	40	43	45	49	51	0.4	Yes
R3021	Residence	615672	4746299	1363	T60	32.2	31.0	31.4	40	43	45	49	51	0.4	Yes
R3022	Residence	615760	4746302	1407	T60	31.8	30.6	31.0	40	43	45	49	51	0.4	Yes

Table C.02: Acoustic Assessment Table of Non-Participating Receptors

Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment

Project Number: 14284.00

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Created on: 8/3/2018

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Turbine ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6 -10 m/s	6 -10 m/s	6 -10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6 -10 m/s	
R3023	Residence	615682	4746169	1481	T60	31.4	30.2	30.6	40	43	45	49	51	0.4	Yes
R3025	Residence	615736	4746367	1340	T60	33.7	33.3	33.3	40	43	45	49	51	0.0	Yes
R3026	Residence	615688	4746361	1318	T60	32.4	31.3	31.7	40	43	45	49	51	0.4	Yes
R3027	Residence	615886	4746376	1424	T60	33.0	32.6	32.7	40	43	45	49	51	0.1	Yes
R3028	Residence	615835	4746370	1396	T60	33.2	32.8	32.9	40	43	45	49	51	0.1	Yes
R3029	Residence	615766	4746436	1302	T60	32.5	31.4	31.7	40	43	45	49	51	0.3	Yes
R3030	Residence	615719	4746356	1340	T60	33.7	33.3	33.3	40	43	45	49	51	0.0	Yes
R3033	Residence	608170	4745381	1295	T54	32.9	31.0	31.4	40	43	45	49	51	0.4	Yes
R3034	Residence	607908	4745282	1240	T54	32.9	31.2	31.7	40	43	45	49	51	0.5	Yes
R3035	Residence	608261	4745509	1260	T54	33.3	31.3	31.8	40	43	45	49	51	0.5	Yes
R3036	Residence	608196	4745517	1209	T54	33.4	31.6	32.1	40	43	45	49	51	0.5	Yes
R3037	Residence	608143	4745527	1166	T54	33.6	31.9	32.4	40	43	45	49	51	0.5	Yes
R3038	Residence	607059	4745739	730	T54	37.4	36.3	36.9	40	43	45	49	51	0.6	Yes
R3039	Residence	607166	4745702	727	T54	38.5	38.1	38.3	40	43	45	49	51	0.2	Yes
R3052	Residence	613935	4749444	1390	T59	32.2	31.2	31.7	40	43	45	49	51	0.5	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3107	Vacant Lot	586528	4753574	1418	T18	30.7	30.7	30.7	40	43	45	49	51	0.0	Yes
V3108	Vacant Lot	586490	4753681	1468	T18	30.3	30.2	30.3	40	43	45	49	51	0.1	Yes
V3109	Vacant Lot	586905	4753806	1094	T18	32.8	32.7	32.8	40	43	45	49	51	0.1	Yes
V3111	Vacant Lot	586864	4753959	1190	T18	32.1	32.0	32.0	40	43	45	49	51	0.0	Yes
V3112	Vacant Lot	587194	4753907	874	T18	34.7	34.6	34.7	40	43	45	49	51	0.1	Yes
V3113	Vacant Lot	587295	4753938	808	T18	35.4	35.3	35.4	40	43	45	49	51	0.1	Yes
V3114	Vacant Lot	587402	4753970	747	T18	36.1	35.9	36.1	40	43	45	49	51	0.2	Yes
V3115	Vacant Lot	587547	4754014	686	T18	36.9	36.7	36.9	40	43	45	49	51	0.2	Yes
V3126	Vacant Lot	587943	4754290	838	T18	35.8	35.0	35.2	40	43	45	49	51	0.2	Yes
V3127	Vacant Lot	587999	4754328	877	T18	35.6	35.1	35.2	40	43	45	49	51	0.1	Yes
V3133	Vacant Lot	588144	4755218	1488	T33	32.3	32.2	32.2	40	43	45	49	51	0.0	Yes
V3134	Vacant Lot	588380	4754473	1111	T18	35.2	35.0	35.0	40	43	45	49	51	0.0	Yes
V3135	Vacant Lot	588540	4754561	1260	T18	35.2	34.9	35.0	40	43	45	49	51	0.1	Yes
V3136	Vacant Lot	588424	4754306	981	T18	36.0	35.8	35.9	40	43	45	49	51	0.1	Yes
V3137	Vacant Lot	588486	4754331	1034	T18	35.9	35.8	35.8	40	43	45	49	51	0.0	Yes
V3138	Vacant Lot	588609	4754372	1136	T18	36.0	35.8	35.9	40	43	45	49	51	0.1	Yes
V3139	Vacant Lot	588713	4754507	1226	T34	35.9	35.7	35.8	40	43	45	49	51	0.1	Yes
V3140	Vacant Lot	588774	4754457	1148	T34	36.2	36.0	36.1	40	43	45	49	51	0.1	Yes
V3141	Vacant Lot	588779	4754475	1152	T34	36.2	36.0	36.1	40	43	45	49	51	0.1	Yes
V3142	Vacant Lot	588773	4754560	1201	T34	35.9	35.8	35.8	40	43	45	49	51	0.0	Yes
V3143	Vacant Lot	588764	4754692	1212	T33	35.7	35.5	35.5	40	43	45	49	51	0.0	Yes
V3145	Vacant Lot	588589	4756423	1306	T33	31.7	31.5	31.6	40	43	45	49	51	0.1	Yes
V3146	Vacant Lot	588501	4755505	1089	T33	33.9	33.7	33.8	40	43	45	49	51	0.1	Yes
V3147	Vacant Lot	588802	4754759	1137	T33	35.8	35.5	35.6	40	43	45	49	51	0.1	Yes
V3148	Vacant Lot	588817	4754575	1172	T34	36.1	35.9	36.0	40	43	45	49	51	0.1	Yes
V3149	Vacant Lot	588949	4754485	1012	T34	36.8	36.7	36.8	40	43	45	49	51	0.1	Yes
V3150	Vacant Lot	589216	4754570	866	T34	38.0	37.8	38.0	40	43	45	49	51	0.2	Yes
V3151	Vacant Lot	588787	4755006	986	T33	35.7	35.4	35.5	40	43	45	49	51	0.1	Yes
V3152	Vacant Lot	588601	4755632	988	T33	34.5	34.3	34.4	40	43	45	49	51	0.1	Yes
V3153	Vacant Lot	588890	4756550	1194	T33	32.7	32.5	32.6	40	43	45	49	51	0.1	Yes
V3154	Vacant Lot	589013	4756578	1150	T33	33.2	33.0	33.1	40	43	45	49	51	0.1	Yes
V3155	Vacant Lot	589489	4754932	656	T33	39.4	39.2	39.4	40	43	45	49	51	0.2	Yes
V3159	Vacant Lot	590559	4755408	664	T36	38.3	37.9	38.1	40	43	45	49	51	0.2	Yes
V3160	Vacant Lot	590679	4755497	731	T36	37.3	37.1	37.3	40	43	45	49	51	0.2	Yes
V3162	Vacant Lot	590361	4754983	862	T36	38.4	38.2	38.3	40	43	45	49	51	0.1	Yes
V3163	Vacant Lot	589843	4756845	1090	T36	33.3	33.1	33.2	40	43	45	49	51	0.1	Yes
V3164	Vacant Lot	590780	4755123	1011	T36	36.2	36.0	36.1	40	43	45	49	51	0.1	Yes
V3165	Vacant Lot	590953	4755198	1110	T36	35.1	34.9	35.0	40	43	45	49	51	0.1	Yes
V3170	Vacant Lot	590802	4756254	939	T36	34.4	34.2	34.3	40	43	45	49	51	0.1	Yes
V3174	Vacant Lot	587356	4752313	1280	T18	34.9	34.8	34.8	40	43	45	49	51	0.0	Yes
V3176	Vacant Lot	587510	4753911	629	T18	37.6	37.4	37.7	40	43	45	49	51	0.3	Yes
V3177	Vacant Lot	588482	4753930	721	T18	38.3	38.1	38.3	40	43	45	49	51	0.2	Yes
V3178	Vacant Lot	588444	4754225	922	T18	36.4	36.3	36.4	40	43	45	49	51	0.1	Yes
V3179	Vacant Lot	588762	4754335	1108	T34	36.5	36.3	36.4	40	43	45	49	51	0.1	Yes
V3180	Vacant Lot	588834	4754358	1051	T34	36.7	36.5	36.6	40	43	45	49	51	0.1	Yes
V3181	Vacant Lot	589005	4754421	930	T34	37.3	37.1	37.2	40	43	45	49	51	0.1	Yes
V3182	Vacant Lot	589184	4754484	827	T34	38.1	37.9	38.0	40	43	45	49	51	0.1	Yes
V3183	Vacant Lot	589977	4752697	1052	T46	37.7	37.5	37.6	40	43	45	49	51	0.1	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3185	Vacant Lot	590234	4752801	1025	T46	38.3	38.1	38.2	40	43	45	49	51	0.1	Yes
V3186	Vacant Lot	590423	4752873	1006	T41	38.6	38.4	38.5	40	43	45	49	51	0.1	Yes
V3187	Vacant Lot	590747	4754854	1036	T41	36.8	36.6	36.7	40	43	45	49	51	0.1	Yes
V3188	Vacant Lot	591441	4754382	1160	T41	34.4	34.2	34.3	40	43	45	49	51	0.1	Yes
V3219	Vacant Lot	587528	4751998	1352	T43	35.8	35.8	35.8	40	43	45	49	51	0.0	Yes
V3230	Vacant Lot	588430	4751844	1127	T43	35.2	35.1	35.1	40	43	45	49	51	0.0	Yes
V3231	Vacant Lot	588546	4751492	1481	T43	34.5	34.5	34.5	40	43	45	49	51	0.0	Yes
V3232	Vacant Lot	589505	4751338	1002	T58	35.9	35.8	35.8	40	43	45	49	51	0.0	Yes
V3234	Vacant Lot	590825	4752906	815	T28	38.7	38.5	38.7	40	43	45	49	51	0.2	Yes
V3236	Vacant Lot	591353	4751008	650	T23	38.9	38.7	38.9	40	43	45	49	51	0.2	Yes
V3237	Vacant Lot	591067	4750904	738	T23	38.4	38.2	38.3	40	43	45	49	51	0.1	Yes
V3239	Vacant Lot	591812	4751187	775	T23	37.7	37.6	37.7	40	43	45	49	51	0.1	Yes
V3240	Vacant Lot	592532	4751382	1377	T23	34.8	34.7	34.7	40	43	45	49	51	0.0	Yes
V3241	Vacant Lot	592561	4751482	1391	T23	34.7	34.5	34.5	40	43	45	49	51	0.0	Yes
V3242	Vacant Lot	592547	4751521	1373	T23	34.7	34.5	34.5	40	43	45	49	51	0.0	Yes
V3243	Vacant Lot	592647	4751419	1484	T23	34.5	34.3	34.3	40	43	45	49	51	0.0	Yes
V3246	Vacant Lot	593273	4752004	1442	T13	33.1	32.9	32.9	40	43	45	49	51	0.0	Yes
V3250	Vacant Lot	593429	4751603	1234	T13	34.5	34.3	34.3	40	43	45	49	51	0.0	Yes
V3255	Vacant Lot	592610	4751361	1457	T23	34.6	34.5	34.5	40	43	45	49	51	0.0	Yes
V3257	Vacant Lot	592682	4751131	1389	T24	35.0	34.8	34.8	40	43	45	49	51	0.0	Yes
V3258	Vacant Lot	592731	4750960	1243	T24	35.4	35.2	35.3	40	43	45	49	51	0.1	Yes
V3259	Vacant Lot	592896	4750804	1176	T24	35.9	35.8	35.8	40	43	45	49	51	0.0	Yes
V3260	Vacant Lot	592979	4750982	1242	T48	35.4	35.2	35.2	40	43	45	49	51	0.0	Yes
V3261	Vacant Lot	592884	4750727	1104	T24	36.2	36.0	36.1	40	43	45	49	51	0.1	Yes
V3262	Vacant Lot	593797	4751418	888	T13	36.7	36.5	36.7	40	43	45	49	51	0.2	Yes
V3263	Vacant Lot	593882	4751374	818	T13	37.4	37.2	37.3	40	43	45	49	51	0.1	Yes
V3264	Vacant Lot	594181	4751121	618	T48	39.9	39.7	39.9	40	43	45	49	51	0.2	Yes
V3267	Vacant Lot	593105	4749915	698	T20	39.3	39.2	39.3	40	43	45	49	51	0.1	Yes
V3268	Vacant Lot	592940	4750403	891	T24	37.6	37.5	37.6	40	43	45	49	51	0.1	Yes
V3269	Vacant Lot	592907	4750480	922	T24	37.3	37.1	37.2	40	43	45	49	51	0.1	Yes
V3270	Vacant Lot	592921	4750425	893	T24	37.6	37.4	37.5	40	43	45	49	51	0.1	Yes
V3271	Vacant Lot	592612	4751188	1426	T24	34.9	34.8	34.8	40	43	45	49	51	0.0	Yes
V3272	Vacant Lot	592506	4751324	1363	T23	34.9	34.8	34.8	40	43	45	49	51	0.0	Yes
V3273	Vacant Lot	592025	4751144	978	T23	36.5	36.4	36.4	40	43	45	49	51	0.0	Yes
V3274	Vacant Lot	592896	4750271	773	T24	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
V3275	Vacant Lot	592947	4750177	763	T24	38.9	38.7	38.9	40	43	45	49	51	0.2	Yes
V3276	Vacant Lot	593143	4749588	583	T20	39.9	39.8	40.0	40	43	45	49	51	0.2	Yes
V3277	Vacant Lot	593067	4749112	606	T20	39.4	39.2	39.4	40	43	45	49	51	0.2	Yes
V3278	Vacant Lot	591409	4750936	735	T23	38.2	38.0	38.1	40	43	45	49	51	0.1	Yes
V3279	Vacant Lot	591004	4750800	851	T23	37.7	37.6	37.6	40	43	45	49	51	0.0	Yes
V3280	Vacant Lot	590762	4750637	1065	T58	37.1	37.1	37.0	40	43	45	49	51	-0.1	Yes
V3281	Vacant Lot	590994	4750030	1303	T58	37.7	37.7	37.7	40	43	45	49	51	0.0	Yes
V3282	Vacant Lot	591214	4750093	1108	T24	37.2	37.2	37.2	40	43	45	49	51	0.0	Yes
V3283	Vacant Lot	591585	4750172	790	T24	37.8	37.7	37.8	40	43	45	49	51	0.1	Yes
V3284	Vacant Lot	591563	4750071	769	T24	38.1	38.0	38.0	40	43	45	49	51	0.0	Yes
V3285	Vacant Lot	591409	4750027	902	T24	37.6	37.5	37.6	40	43	45	49	51	0.1	Yes
V3286	Vacant Lot	593767	4749313	872	T16	38.1	38.0	38.0	40	43	45	49	51	0.0	Yes
V3287	Vacant Lot	593827	4749282	856	T10	38.2	38.0	38.1	40	43	45	49	51	0.1	Yes
V3288	Vacant Lot	593723	4749232	835	T10	38.0	37.8	37.9	40	43	45	49	51	0.1	Yes
V3305	Vacant Lot	588322	4750772	1469	T58	34.9	35.0	34.9	40	43	45	49	51	-0.1	Yes
V3306	Vacant Lot	588828	4750882	1043	T58	34.7	34.8	34.7	40	43	45	49	51	-0.1	Yes
V3307	Vacant Lot	589400	4751033	749	T58	36.5	36.5	36.5	40	43	45	49	51	0.0	Yes
V3308	Vacant Lot	590186	4750913	713	T58	38.1	38.0	38.0	40	43	45	49	51	0.0	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3309	Vacant Lot	590218	4749870	690	T58	39.1	39.1	39.1	40	43	45	49	51	0.0	Yes
V3311	Vacant Lot	589781	4749791	573	T58	38.6	38.6	38.6	40	43	45	49	51	0.0	Yes
V3312	Vacant Lot	589262	4749665	841	T58	36.0	36.1	36.0	40	43	45	49	51	-0.1	Yes
V3313	Vacant Lot	588916	4750219	829	T58	35.6	35.7	35.6	40	43	45	49	51	-0.1	Yes
V3336	Vacant Lot	589201	4749155	1319	T58	35.7	35.8	35.7	40	43	45	49	51	-0.1	Yes
V3341	Vacant Lot	589817	4749680	687	T58	37.9	37.9	37.9	40	43	45	49	51	0.0	Yes
V3342	Vacant Lot	590138	4749752	732	T58	39.1	39.1	39.1	40	43	45	49	51	0.0	Yes
V3347	Vacant Lot	595482	4748523	926	MV36	35.0	34.7	34.6	40	43	45	49	51	-0.1	Yes
V3348	Vacant Lot	595413	4748227	1072	MV36	36.2	36.0	36.0	40	43	45	49	51	0.0	Yes
V3349	Vacant Lot	594881	4748711	926	T10	36.3	36.1	36.1	40	43	45	49	51	0.0	Yes
V3350	Vacant Lot	594752	4748070	844	T10	39.2	39.2	39.2	40	43	45	49	51	0.0	Yes
V3351	Vacant Lot	593844	4749180	753	T10	38.2	38.1	38.1	40	43	45	49	51	0.0	Yes
V3352	Vacant Lot	593699	4747815	692	T10	37.3	37.3	37.2	40	43	45	49	51	-0.1	Yes
V3353	Vacant Lot	593319	4747753	964	T10	35.6	35.6	35.5	40	43	45	49	51	-0.1	Yes
V3354	Vacant Lot	592175	4748809	765	T20	38.3	38.2	38.3	40	43	45	49	51	0.1	Yes
V3355	Vacant Lot	591807	4748711	1073	T20	38.0	37.9	37.9	40	43	45	49	51	0.0	Yes
V3409	Vacant Lot	597181	4747262	1017	MV55	37.5	37.4	37.4	40	43	45	49	51	0.0	Yes
V3410	Vacant Lot	598492	4746964	970	T17	37.2	37.0	37.0	40	43	45	49	51	0.0	Yes
V3411	Vacant Lot	598957	4746731	1180	T55	36.7	36.5	36.6	40	43	45	49	51	0.1	Yes
V3477	Vacant Lot	599117	4745727	1377	T9	34.7	34.6	34.6	40	43	45	49	51	0.0	Yes
V3478	Vacant Lot	599243	4745293	1085	T9	34.6	34.5	34.5	40	43	45	49	51	0.0	Yes
V3479	Vacant Lot	599377	4744253	1182	T9	32.7	32.4	32.5	40	43	45	49	51	0.1	Yes
V3480	Vacant Lot	599267	4744245	1274	T9	32.4	32.0	32.0	40	43	45	49	51	0.0	Yes
V3481	Vacant Lot	599699	4745877	911	T55	36.8	36.6	36.7	40	43	45	49	51	0.1	Yes
V3482	Vacant Lot	600167	4744381	636	T9	37.3	37.1	37.4	40	43	45	49	51	0.3	Yes
V3484	Vacant Lot	599482	4746490	680	T55	38.2	38.1	38.2	40	43	45	49	51	0.1	Yes
V3485	Vacant Lot	599668	4746369	560	T55	39.3	39.2	39.4	40	43	45	49	51	0.2	Yes
V3486	Vacant Lot	599788	4745994	766	T55	37.5	37.4	37.5	40	43	45	49	51	0.1	Yes
V3487	Vacant Lot	600450	4745951	790	T55	38.0	37.9	38.0	40	43	45	49	51	0.1	Yes
V3488	Vacant Lot	601393	4744317	852	T51	35.6	35.4	35.6	40	43	45	49	51	0.2	Yes
V3489	Vacant Lot	596786	4751735	1310	MV7	30.3	26.2	26.2	40	43	45	49	51	0.0	Yes
V3490	Vacant Lot	596829	4751733	1294	MV7	30.3	27.0	26.9	40	43	45	49	51	-0.1	Yes
V3491	Vacant Lot	596918	4751722	1259	MV7	30.2	27.2	27.1	40	43	45	49	51	-0.1	Yes
V3492	Vacant Lot	596937	4751733	1265	MV7	30.2	26.5	26.5	40	43	45	49	51	0.0	Yes
V3493	Vacant Lot	596967	4751733	1258	MV7	30.2	27.4	27.3	40	43	45	49	51	-0.1	Yes
V3494	Vacant Lot	597003	4751733	1251	MV7	30.2	28.0	27.9	40	43	45	49	51	-0.1	Yes
V3495	Vacant Lot	597036	4751743	1255	MV7	30.2	27.8	27.7	40	43	45	49	51	-0.1	Yes
V3496	Vacant Lot	597077	4751747	1254	MV7	30.2	28.2	28.1	40	43	45	49	51	-0.1	Yes
V3497	Vacant Lot	597107	4751757	1260	MV7	30.2	27.6	27.5	40	43	45	49	51	-0.1	Yes
V3498	Vacant Lot	597145	4751757	1257	MV7	30.2	28.1	28.0	40	43	45	49	51	-0.1	Yes
V3499	Vacant Lot	597189	4751777	1275	MV7	30.2	28.1	28.1	40	43	45	49	51	0.0	Yes
V3500	Vacant Lot	597450	4751798	1296	MV4	30.4	28.1	28.0	40	43	45	49	51	-0.1	Yes
V3501	Vacant Lot	597920	4751810	1339	MV1	31.1	29.7	29.6	40	43	45	49	51	-0.1	Yes
V3502	Vacant Lot	597954	4751831	1364	MV1	31.1	29.3	29.1	40	43	45	49	51	-0.2	Yes
V3503	Vacant Lot	597989	4751831	1368	MV1	31.2	29.4	29.3	40	43	45	49	51	-0.1	Yes
V3504	Vacant Lot	597990	4751785	1323	MV1	31.4	30.6	30.7	40	43	45	49	51	0.1	Yes
V3505	Vacant Lot	598047	4751832	1379	MV1	31.3	29.7	29.6	40	43	45	49	51	-0.1	Yes
V3506	Vacant Lot	598078	4751851	1403	MV1	31.3	29.5	29.5	40	43	45	49	51	0.0	Yes
V3507	Vacant Lot	598111	4751864	1423	MV1	31.3	29.2	29.1	40	43	45	49	51	-0.1	Yes
V3508	Vacant Lot	598386	4751724	1380	MV1	32.6	31.0	30.9	40	43	45	49	51	-0.1	Yes
V3510	Vacant Lot	598481	4751774	1452	T56	32.6	31.9	31.9	40	43	45	49	51	0.0	Yes
V3511	Vacant Lot	598503	4751793	1468	T56	32.5	32.0	32.1	40	43	45	49	51	0.1	Yes
V3522	Vacant Lot	600363	4751770	1361	T29	34.4	34.1	34.2	40	43	45	49	51	0.1	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3526	Vacant Lot	601301	4751759	578	T22	38.3	38.2	38.4	40	43	45	49	51	0.2	Yes
V3527	Vacant Lot	601528	4751911	558	T22	38.4	38.3	38.6	40	43	45	49	51	0.3	Yes
V3528	Vacant Lot	601754	4751992	591	T22	37.9	37.7	38.0	40	43	45	49	51	0.3	Yes
V3531	Vacant Lot	602763	4752257	1321	T22	31.9	31.8	31.9	40	43	45	49	51	0.1	Yes
V3545	Vacant Lot	606828	4752627	1355	T57	30.5	30.4	30.5	40	43	45	49	51	0.1	Yes
V3546	Vacant Lot	607120	4752706	1498	T57	29.6	29.6	29.6	40	43	45	49	51	0.0	Yes
V3559	Vacant Lot	608478	4751153	1377	T15	34.5	34.4	34.4	40	43	45	49	51	0.0	Yes
V3560	Vacant Lot	608563	4751134	1362	T49	34.6	34.4	34.5	40	43	45	49	51	0.1	Yes
V3561	Vacant Lot	608968	4751172	1333	T50	33.8	33.7	33.7	40	43	45	49	51	0.0	Yes
V3562	Vacant Lot	608682	4751027	1244	T49	35.2	35.0	35.1	40	43	45	49	51	0.1	Yes
V3563	Vacant Lot	608544	4751046	1278	T49	35.2	35.0	35.1	40	43	45	49	51	0.1	Yes
V3566	Vacant Lot	608010	4751757	1440	T57	32.2	32.1	32.1	40	43	45	49	51	0.0	Yes
V3567	Vacant Lot	608016	4751697	1427	T57	32.5	32.4	32.4	40	43	45	49	51	0.0	Yes
V3568	Vacant Lot	608019	4751493	1385	T57	33.3	33.2	33.3	40	43	45	49	51	0.1	Yes
V3569	Vacant Lot	608028	4751269	1378	T57	34.3	34.2	34.2	40	43	45	49	51	0.0	Yes
V3570	Vacant Lot	608054	4750892	1108	T15	36.2	36.1	36.2	40	43	45	49	51	0.1	Yes
V3571	Vacant Lot	608019	4750870	1092	T15	36.4	36.2	36.3	40	43	45	49	51	0.1	Yes
V3572	Vacant Lot	607874	4750842	1103	T15	36.6	36.4	36.5	40	43	45	49	51	0.1	Yes
V3573	Vacant Lot	607797	4750827	1117	T15	36.6	36.5	36.6	40	43	45	49	51	0.1	Yes
V3574	Vacant Lot	607763	4750816	1120	T15	36.7	36.6	36.6	40	43	45	49	51	0.0	Yes
V3575	Vacant Lot	607716	4750805	1131	T15	36.8	36.7	36.7	40	43	45	49	51	0.0	Yes
V3576	Vacant Lot	607681	4750791	1135	T15	36.9	36.7	36.8	40	43	45	49	51	0.1	Yes
V3577	Vacant Lot	608968	4750773	937	T50	36.8	36.6	36.8	40	43	45	49	51	0.2	Yes
V3578	Vacant Lot	609060	4750719	875	T50	37.1	36.9	37.1	40	43	45	49	51	0.2	Yes
V3579	Vacant Lot	609685	4750380	800	T50	36.7	36.5	36.7	40	43	45	49	51	0.2	Yes
V3580	Vacant Lot	609723	4750367	820	T50	36.5	36.3	36.4	40	43	45	49	51	0.1	Yes
V3581	Vacant Lot	609798	4750358	874	T50	35.9	35.7	35.9	40	43	45	49	51	0.2	Yes
V3582	Vacant Lot	610216	4750194	1178	T50	33.6	33.3	33.4	40	43	45	49	51	0.1	Yes
V3583	Vacant Lot	610485	4750096	1416	T50	32.4	32.1	32.1	40	43	45	49	51	0.0	Yes
V3584	Vacant Lot	610570	4750069	1496	T50	32.1	31.8	31.8	40	43	45	49	51	0.0	Yes
V3585	Vacant Lot	607203	4752632	1457	T57	29.9	29.8	29.9	40	43	45	49	51	0.1	Yes
V3586	Vacant Lot	606974	4752557	1314	T57	30.7	30.6	30.7	40	43	45	49	51	0.1	Yes
V3587	Vacant Lot	606826	4752510	1239	T57	31.2	31.1	31.2	40	43	45	49	51	0.1	Yes
V3588	Vacant Lot	606804	4752566	1292	T57	30.9	30.8	30.9	40	43	45	49	51	0.1	Yes
V3589	Vacant Lot	606747	4752554	1274	T57	31.0	30.9	31.0	40	43	45	49	51	0.1	Yes
V3590	Vacant Lot	606273	4752566	1337	T57	30.8	30.7	30.8	40	43	45	49	51	0.1	Yes
V3591	Vacant Lot	605600	4752088	1323	T57	32.3	32.2	32.3	40	43	45	49	51	0.1	Yes
V3592	Vacant Lot	606358	4752321	1078	T57	32.7	32.6	32.7	40	43	45	49	51	0.1	Yes
V3595	Vacant Lot	606744	4752484	1204	T57	31.5	31.4	31.5	40	43	45	49	51	0.1	Yes
V3597	Vacant Lot	606999	4750479	876	T57	38.7	38.6	38.7	40	43	45	49	51	0.1	Yes
V3604	Vacant Lot	603069	4751777	1365	T22	33.2	33.0	33.1	40	43	45	49	51	0.1	Yes
V3605	Vacant Lot	602897	4751799	1208	T22	33.5	33.4	33.4	40	43	45	49	51	0.0	Yes
V3606	Vacant Lot	603299	4751252	1370	T14	35.1	35.0	35.0	40	43	45	49	51	0.0	Yes
V3607	Vacant Lot	603689	4750894	886	T14	37.7	37.5	37.7	40	43	45	49	51	0.2	Yes
V3608	Vacant Lot	603833	4750799	761	T14	38.8	38.6	38.8	40	43	45	49	51	0.2	Yes
V3610	Vacant Lot	602673	4751777	991	T22	34.5	34.3	34.3	40	43	45	49	51	0.0	Yes
V3611	Vacant Lot	602337	4751816	713	T22	36.5	36.4	36.6	40	43	45	49	51	0.2	Yes
V3614	Vacant Lot	602837	4751535	1089	T22	34.6	34.5	34.6	40	43	45	49	51	0.1	Yes
V3615	Vacant Lot	603063	4750878	1216	T14	36.8	36.6	36.6	40	43	45	49	51	0.0	Yes
V3616	Vacant Lot	602628	4750924	993	T22	36.8	36.6	36.7	40	43	45	49	51	0.1	Yes
V3619	Vacant Lot	602082	4750303	986	T38	38.5	38.1	38.2	40	43	45	49	51	0.1	Yes
V3620	Vacant Lot	601576	4750202	1207	T42	37.7	37.4	37.5	40	43	45	49	51	0.1	Yes
V3621	Vacant Lot	601278	4750142	927	T42	37.9	37.7	37.8	40	43	45	49	51	0.1	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
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Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3622	Vacant Lot	600325	4751680	1264	T29	34.8	34.6	34.7	40	43	45	49	51	0.1	Yes
V3623	Vacant Lot	600397	4751095	718	T42	39.1	38.9	39.1	40	43	45	49	51	0.2	Yes
V3628	Vacant Lot	599373	4751554	1238	T29	35.1	34.8	34.8	40	43	45	49	51	0.0	Yes
V3634	Vacant Lot	598156	4751576	1157	MV1	32.8	32.1	32.1	40	43	45	49	51	0.0	Yes
V3637	Vacant Lot	599530	4751482	1105	T29	35.7	35.4	35.5	40	43	45	49	51	0.1	Yes
V3638	Vacant Lot	599407	4751434	1117	T29	35.9	35.6	35.7	40	43	45	49	51	0.1	Yes
V3642	Vacant Lot	598741	4751245	912	T56	36.6	36.2	36.4	40	43	45	49	51	0.2	Yes
V3646	Vacant Lot	598290	4751031	743	MV1	36.9	36.4	36.6	40	43	45	49	51	0.2	Yes
V3649	Vacant Lot	598552	4749102	624	MV65	38.7	38.3	38.4	40	43	45	49	51	0.1	Yes
V3654	Vacant Lot	597727	4751001	529	MV1	34.4	33.2	33.3	40	43	45	49	51	0.1	Yes
V3655	Vacant Lot	597416	4750900	398	MV4	33.9	32.1	32.1	40	43	45	49	51	0.0	Yes
V3656	Vacant Lot	596554	4750947	671	MV16	32.5	30.7	30.7	40	43	45	49	51	0.0	Yes
V3657	Vacant Lot	596284	4750543	397	MV24	34.2	31.8	31.8	40	43	45	49	51	0.0	Yes
V3658	Vacant Lot	595743	4750638	693	MV24	34.0	33.0	33.0	40	43	45	49	51	0.0	Yes
V3664	Vacant Lot	595963	4748368	518	MV36	34.8	34.2	34.2	40	43	45	49	51	0.0	Yes
V3669	Vacant Lot	598736	4747048	878	T17	37.8	37.6	37.7	40	43	45	49	51	0.1	Yes
V3671	Vacant Lot	599327	4747243	861	T52	39.4	39.2	39.3	40	43	45	49	51	0.1	Yes
V3677	Vacant Lot	600421	4749518	859	T42	38.9	38.6	38.7	40	43	45	49	51	0.1	Yes
V3678	Vacant Lot	600786	4749707	782	T42	38.7	38.5	38.6	40	43	45	49	51	0.1	Yes
V3679	Vacant Lot	600853	4749829	723	T42	39.0	38.7	38.9	40	43	45	49	51	0.2	Yes
V3682	Vacant Lot	601314	4748230	1021	T53	38.5	38.3	38.4	40	43	45	49	51	0.1	Yes
V3686	Vacant Lot	602481	4750359	811	T35	39.1	38.8	39.0	40	43	45	49	51	0.2	Yes
V3689	Vacant Lot	603036	4750537	898	T35	38.7	38.4	38.5	40	43	45	49	51	0.1	Yes
V3693	Vacant Lot	603269	4750607	882	T14	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
V3697	Vacant Lot	605042	4749217	895	T40	38.4	38.2	38.3	40	43	45	49	51	0.1	Yes
V3698	Vacant Lot	605558	4749487	816	T19	38.3	38.1	38.2	40	43	45	49	51	0.1	Yes
V3699	Vacant Lot	605413	4750474	673	T47	38.6	38.4	38.6	40	43	45	49	51	0.2	Yes
V3703	Vacant Lot	606570	4750317	815	T30	38.9	38.8	38.9	40	43	45	49	51	0.1	Yes
V3704	Vacant Lot	605759	4749022	698	T19	38.7	38.6	38.7	40	43	45	49	51	0.1	Yes
V3705	Vacant Lot	607230	4748519	1026	T26	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
V3707	Vacant Lot	607664	4748726	758	T26	39.9	39.7	39.8	40	43	45	49	51	0.1	Yes
V3712	Vacant Lot	615711	4748835	1223	T62	34.8	34.6	34.7	40	43	45	49	51	0.1	Yes
V3713	Vacant Lot	614127	4749017	927	T59	37.3	37.1	37.2	40	43	45	49	51	0.1	Yes
V3714	Vacant Lot	613703	4749055	1141	T59	35.5	35.2	35.3	40	43	45	49	51	0.1	Yes
V3715	Vacant Lot	615494	4748209	814	T62	39.6	39.4	39.6	40	43	45	49	51	0.2	Yes
V3716	Vacant Lot	615547	4748029	800	T60	39.8	39.6	39.8	40	43	45	49	51	0.2	Yes
V3717	Vacant Lot	613165	4748071	1027	T67	37.5	37.1	37.2	40	43	45	49	51	0.1	Yes
V3718	Vacant Lot	613096	4747923	907	T67	37.8	37.4	37.5	40	43	45	49	51	0.1	Yes
V3719	Vacant Lot	613046	4748467	1162	T67	36.1	35.7	35.7	40	43	45	49	51	0.0	Yes
V3722	Vacant Lot	611722	4748263	813	T67	38.6	38.2	38.4	40	43	45	49	51	0.2	Yes
V3747	Vacant Lot	610542	4749505	1490	T50	33.0	32.5	32.6	40	43	45	49	51	0.1	Yes
V3749	Vacant Lot	610468	4749471	1426	T50	33.2	32.8	32.9	40	43	45	49	51	0.1	Yes
V3750	Vacant Lot	610443	4749458	1406	T50	33.3	32.9	33.0	40	43	45	49	51	0.1	Yes
V3751	Vacant Lot	610697	4748454	1310	T65	34.6	33.9	34.0	40	43	45	49	51	0.1	Yes
V3752	Vacant Lot	610597	4748429	1353	T65	34.5	33.8	33.8	40	43	45	49	51	0.0	Yes
V3753	Vacant Lot	611628	4748250	859	T65	38.6	38.2	38.3	40	43	45	49	51	0.1	Yes
V3754	Vacant Lot	609830	4749352	887	T50	36.5	36.2	36.3	40	43	45	49	51	0.1	Yes
V3755	Vacant Lot	609355	4749107	782	T50	38.4	38.2	38.3	40	43	45	49	51	0.1	Yes
V3756	Vacant Lot	608972	4749000	814	T49	39.2	39.0	39.1	40	43	45	49	51	0.1	Yes
V3757	Vacant Lot	605583	4749168	808	T19	38.1	38.0	38.1	40	43	45	49	51	0.1	Yes
V3758	Vacant Lot	605193	4749093	1086	T40	37.7	37.5	37.6	40	43	45	49	51	0.1	Yes
V3765	Vacant Lot	601678	4747766	684	T12	39.1	38.9	39.1	40	43	45	49	51	0.2	Yes
V3766	Vacant Lot	601471	4747804	693	T12	39.0	38.9	39.0	40	43	45	49	51	0.1	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

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 Created on: 2018-10-23

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters - 2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3772	Vacant Lot	599566	4747191	767	T55	39.7	39.5	39.7	40	43	45	49	51	0.2	Yes
V3773	Vacant Lot	599494	4747174	811	T55	39.5	39.3	39.4	40	43	45	49	51	0.1	Yes
V3774	Vacant Lot	599198	4746930	971	T55	37.9	37.7	37.8	40	43	45	49	51	0.1	Yes
V3775	Vacant Lot	598890	4746911	1039	T17	37.3	37.1	37.2	40	43	45	49	51	0.1	Yes
V3776	Vacant Lot	601943	4746644	658	T12	39.7	39.5	39.7	40	43	45	49	51	0.2	Yes
V3777	Vacant Lot	602018	4746611	735	T12	39.6	39.5	39.7	40	43	45	49	51	0.2	Yes
V3778	Vacant Lot	601757	4746452	715	T12	39.1	38.9	39.1	40	43	45	49	51	0.2	Yes
V3783	Vacant Lot	603235	4746867	792	T21	38.2	38.1	38.2	40	43	45	49	51	0.1	Yes
V3790	Vacant Lot	603819	4747349	804	T11	38.3	38.1	38.2	40	43	45	49	51	0.1	Yes
V3791	Vacant Lot	604361	4747500	712	T4	39.0	38.9	39.0	40	43	45	49	51	0.1	Yes
V3792	Vacant Lot	604339	4747561	771	T4	38.7	38.6	38.7	40	43	45	49	51	0.1	Yes
V3793	Vacant Lot	604247	4747520	809	T4	38.6	38.5	38.6	40	43	45	49	51	0.1	Yes
V3794	Vacant Lot	604215	4747512	828	T4	38.6	38.6	38.6	40	43	45	49	51	0.2	Yes
V3795	Vacant Lot	604189	4747493	837	T4	38.6	38.6	38.6	40	43	45	49	51	0.2	Yes
V3796	Vacant Lot	604165	4747489	854	T4	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
V3797	Vacant Lot	604141	4747471	864	T4	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
V3798	Vacant Lot	604256	4747460	764	T4	38.8	38.6	38.8	40	43	45	49	51	0.2	Yes
V3799	Vacant Lot	604281	4747407	712	T4	39.0	38.9	39.0	40	43	45	49	51	0.1	Yes
V3800	Vacant Lot	604182	4747668	818	T11	38.5	38.4	38.5	40	43	45	49	51	0.1	Yes
V3801	Vacant Lot	604148	4747713	766	T11	38.7	38.5	38.6	40	43	45	49	51	0.1	Yes
V3802	Vacant Lot	604223	4747732	825	T11	38.5	38.3	38.5	40	43	45	49	51	0.2	Yes
V3803	Vacant Lot	604132	4747793	717	T11	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
V3804	Vacant Lot	604121	4747833	692	T11	39.0	38.8	39.0	40	43	45	49	51	0.2	Yes
V3805	Vacant Lot	604200	4747831	767	T11	38.6	38.5	38.6	40	43	45	49	51	0.1	Yes
V3806	Vacant Lot	604171	4747896	721	T11	38.8	38.7	38.8	40	43	45	49	51	0.1	Yes
V3808	Vacant Lot	604918	4747642	651	T4	39.3	39.2	39.3	40	43	45	49	51	0.1	Yes
V3809	Vacant Lot	605158	4747810	869	T4	38.0	37.9	38.0	40	43	45	49	51	0.1	Yes
V3813	Vacant Lot	607175	4748384	922	T8	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes
V3814	Vacant Lot	607901	4748654	883	T26	39.6	39.3	39.4	40	43	45	49	51	0.1	Yes
V3815	Vacant Lot	604855	4745947	715	T2	37.9	37.6	37.8	40	43	45	49	51	0.2	Yes
V3816	Vacant Lot	608181	4747007	866	T8	39.8	39.5	39.6	40	43	45	49	51	0.1	Yes
V3817	Vacant Lot	608731	4747349	644	T7	38.9	38.5	38.7	40	43	45	49	51	0.2	Yes
V3818	Vacant Lot	609687	4747387	1317	T7	35.1	33.7	33.8	40	43	45	49	51	0.1	Yes
V3819	Vacant Lot	608825	4746111	1483	T54	35.6	33.4	33.4	40	43	45	49	51	0.0	Yes
V3821	Vacant Lot	610649	4747136	872	T65	37.4	36.0	36.1	40	43	45	49	51	0.1	Yes
V3822	Vacant Lot	610737	4748110	1025	T65	35.9	35.3	35.3	40	43	45	49	51	0.0	Yes
V3823	Vacant Lot	611020	4748135	864	T65	37.2	36.6	36.8	40	43	45	49	51	0.2	Yes
V3824	Vacant Lot	611246	4746343	1085	T65	38.6	34.6	34.7	40	43	45	49	51	0.1	Yes
V3825	Vacant Lot	611400	4748160	761	T65	38.7	38.3	38.5	40	43	45	49	51	0.2	Yes
V3826	Vacant Lot	611677	4748178	780	T67	39.4	39.0	39.2	40	43	45	49	51	0.2	Yes
V3827	Vacant Lot	611823	4748178	683	T67	39.7	39.4	39.6	40	43	45	49	51	0.2	Yes
V3828	Vacant Lot	612453	4748178	586	T67	39.4	39.0	39.3	40	43	45	49	51	0.3	Yes
V3829	Vacant Lot	613088	4747304	913	T67	37.8	37.1	37.2	40	43	45	49	51	0.1	Yes
V3831	Vacant Lot	613793	4746987	916	T61	38.6	38.1	38.2	40	43	45	49	51	0.1	Yes
V3834	Vacant Lot	614056	4746446	1103	T64	36.6	35.7	35.8	40	43	45	49	51	0.1	Yes
V3835	Vacant Lot	614301	4746480	948	T64	37.3	36.7	36.8	40	43	45	49	51	0.1	Yes
V3836	Vacant Lot	615540	4747137	656	T60	39.7	39.4	39.6	40	43	45	49	51	0.2	Yes
V3842	Vacant Lot	612088	4746226	1208	T66	38.4	34.0	34.1	40	43	45	49	51	0.1	Yes
V3843	Vacant Lot	612337	4746244	1283	T66	38.0	33.7	33.8	40	43	45	49	51	0.1	Yes
V3844	Vacant Lot	615603	4746773	938	T60	36.8	36.5	36.6	40	43	45	49	51	0.1	Yes
V3845	Vacant Lot	615807	4746435	1328	T60	33.7	33.3	33.4	40	43	45	49	51	0.1	Yes
V3846	Vacant Lot	615917	4746434	1400	T60	33.1	32.8	32.8	40	43	45	49	51	0.0	Yes
V3847	Vacant Lot	615968	4746432	1437	T60	32.9	32.5	32.5	40	43	45	49	51	0.0	Yes

Table C.03: Acoustic Assessment Table of Vacant Lot Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

Point of Reception ID	Receptor Description	UTM (Easting, m)	UTM (Northing, m)	Distance to Nearest Turbine (m)	Object ID	Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	MOECC Sound limits					Difference (C-B)	Compliance with Limit (Yes/No)
						6-10 m/s	6-10 m/s	6-10 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s	6-10 m/s	
V3848	Vacant Lot	615645	4747059	786	T60	38.2	37.9	38.0	40	43	45	49	51	0.1	Yes
V3849	Vacant Lot	615653	4747194	732	T60	38.8	38.5	38.6	40	43	45	49	51	0.1	Yes
V3850	Vacant Lot	593651	4751075	742	T48	37.6	37.4	37.5	40	43	45	49	51	0.1	Yes
V3851	Vacant Lot	593009	4750499	1007	T24	37.1	37.0	37.0	40	43	45	49	51	0.0	Yes
V3856	Vacant Lot	600909	4746229	893	T55	37.8	37.6	37.7	40	43	45	49	51	0.1	Yes
V3857	Vacant Lot	610626	4747837	957	T65	36.4	35.6	35.7	40	43	45	49	51	0.1	Yes
V3858	Vacant Lot	593057	4750701	1087	T48	36.4	36.2	36.3	40	43	45	49	51	0.1	Yes
V4000	Vacant Lot	602203	4750330	951	T38	38.7	38.4	38.5	40	43	45	49	51	0.1	Yes
V4001	Vacant Lot	597451	4747536	738	MV55	36.4	36.2	36.2	40	43	45	49	51	0.0	Yes
V4002	Vacant Lot	597642	4747443	875	MV55	36.8	36.6	36.6	40	43	45	49	51	0.0	Yes
V4003	Vacant Lot	597964	4747296	927	T17	37.4	37.2	37.3	40	43	45	49	51	0.1	Yes
V4004	Vacant Lot	590415	4755320	609	T36	39.3	39.1	39.3	40	43	45	49	51	0.2	Yes
V4006	Vacant Lot	602269	4748179	743	T68	39.8	39.6	39.7	40	43	45	49	51	0.1	Yes
V4007	Vacant Lot	607831	4748748	772	T26	39.8	39.6	39.7	40	43	45	49	51	0.1	Yes
V4008	Vacant Lot	607268	4748417	929	T8	39.6	39.4	39.5	40	43	45	49	51	0.1	Yes

Table C.04: Acoustic Assessment Table of Participating Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

Point of Reception ID	Receptor Description	Distance to Nearest				Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	Difference (C-B)	Compliance with Limit (Yes/No)
		UTM (Easting, m)	UTM (Northing, m)	Turbine (m)	Object ID	6- 10 m/s	6 - 10 m/s	6 - 10 m/s	6 - 10 m/s	
P41	Residence	587809	4754018	581	T18	38.4	38.3	38.5	0.2	-
P62	Residence	589406	4754512	704	T34	39.3	39.1	39.3	0.2	-
P68	Residence	590093	4754775	895	T45	39.4	39.3	39.4	0.1	-
P71	Residence	590228	4754987	811	T36	38.9	38.8	38.9	0.1	-
P107	Residence	588797	4752519	559	T43	39.2	39.1	39.3	0.2	-
P140	Residence	590219	4752543	794	T46	38.4	38.3	38.4	0.1	-
P177	Residence	592802	4749034	486	T20	40.7	40.6	40.8	0.2	-
P258	Residence	590506	4749759	980	T58	41.2	41.2	41.2	0.0	-
P301	Residence	594036	4749274	755	T16	38.6	38.4	38.5	0.1	-
P351	Residence	594307	4751294	481	T13	40.7	40.5	40.9	0.4	-
P352	Residence	594361	4750967	519	T48	40.8	40.6	40.9	0.3	-
P366	Residence	596556	4750512	245	MV16	34.5	29.9	30.1	0.2	-
P370	Residence	597248	4750668	167	MV7	34.9	32.6	32.6	0.0	-
P376	Residence	596873	4750327	186	MV12	36.6	33.1	33.1	0.0	-
P377	Residence	597330	4748897	150	MV58	37.7	35.3	35.3	0.0	-
P394	Residence	597860	4750701	234	MV1	36.5	35.4	35.5	0.1	-
P459	Residence	595916	4749261	294	MV34	35.2	33.2	33.2	0.0	-
P522	Residence	604828	4746000	671	T2	38.3	38.1	38.3	0.2	-
P538	Residence	603953	4748202	497	T11	39.8	38.9	39.6	0.7	-
P563	Residence	594172	4748051	429	T10	40.6	40.6	40.7	0.1	-
P580	Residence	597798	4748861	170	MV62	37.3	35.8	35.8	0.0	-
P587	Residence	598739	4749078	807	T27	39.5	39.2	39.3	0.1	-
P589	Residence	599146	4749234	825	T44	39.9	39.6	39.7	0.1	-
P594	Residence	600698	4749888	582	T42	39.0	38.0	38.7	0.7	-
P610	Residence	604293	4750474	447	T47	43.1	42.9	43.3	0.4	-
P677	Residence	599842	4747482	550	T52	41.4	41.3	41.5	0.2	-
P678	Residence	600242	4747562	700	T52	40.6	40.5	40.6	0.1	-
P680	Residence	600650	4747765	688	T53	38.7	37.8	38.4	0.6	-
P688	Residence	602436	4748143	824	T68	39.6	39.4	39.6	0.2	-
P689	Residence	602523	4748381	657	T68	41.3	41.1	41.4	0.3	-
P690	Residence	602653	4748323	736	T37	40.7	40.6	40.7	0.1	-
P691	Residence	603196	4748566	563	T11	41.6	41.4	41.7	0.3	-
P692	Residence	604432	4749085	563	T40	40.6	39.6	40.3	0.7	-
P729	Residence	602344	4746717	550	T21	40.4	40.3	40.5	0.2	-
P735	Residence	601768	4746647	546	T12	40.2	40.1	40.3	0.2	-
P844	Residence	605746	4746587	712	T2	38.3	37.5	38.1	0.6	-
P845	Residence	605516	4746586	483	T2	41.5	41.3	41.6	0.3	-
P885	Residence	607043	4750497	878	T57	37.2	36.5	37.0	0.5	-
P988	Residence	606772	4748238	883	T69	39.9	39.7	39.8	0.1	-

Table C.04: Acoustic Assessment Table of Participating Receptors
 Project: Grand Renewable Wind Farm- Acoustic Assessment Amendment
 Project Number: 14284.00

Point of Reception ID	Receptor Description	Distance to Nearest				Approved sound level - Noise Report 2012 (A)	Approval SPL with Other Modelling Parameters - 2018 (B)	Audit SPL with same Modelling Parameters -2018 (C)	Difference (C-B)	Compliance with Limit (Yes/No)
		UTM (Easting, m)	UTM (Northing, m)	Turbine (m)	Object ID	6 - 10 m/s	6 - 10 m/s	6 - 10 m/s	6 - 10 m/s	
P994	Residence	607806	4748629	879	T26	39.6	39.3	39.4	0.1	-
P995	Residence	608348	4748960	845	T15	38.6	37.8	38.4	0.6	-
P996	Residence	608372	4748656	717	T7	39.6	39.3	39.5	0.2	-
P997	Residence	608758	4749110	674	T49	40.5	40.3	40.5	0.2	-
P999	Residence	608952	4749087	725	T49	38.7	37.8	38.4	0.6	-
P1000	Residence	608998	4749093	734	T49	39.8	39.6	39.8	0.2	-
P1002	Residence	609157	4749192	655	T50	40.1	39.9	40.1	0.2	-
P1053	Residence	611791	4748187	710	T67	39.5	39.2	39.4	0.2	-
P1056	Residence	611536	4748171	770	T65	37.9	36.8	37.4	0.6	-
P1180	Residence	600306	4744319	686	T9	36.7	36.5	36.7	0.2	-
P1181	Residence	600391	4744383	630	T9	36.4	35.4	36.1	0.7	-
P1182	Residence	600369	4744444	566	T9	37.4	36.4	37.1	0.7	-
P1183	Residence	600349	4744512	496	T9	38.6	37.6	38.3	0.7	-
P1184	Residence	600326	4744586	420	T9	40.2	39.1	39.9	0.8	-
P1185	Residence	600311	4744641	364	T9	41.6	40.3	41.2	0.9	-
P1186	Residence	600349	4744632	377	T9	41.2	40.0	40.9	0.9	-
P1187	Residence	600382	4744640	376	T9	41.2	40.1	40.9	0.8	-
P1188	Residence	600428	4744610	418	T9	40.3	39.1	40.0	0.9	-
P1189	Residence	600442	4744562	468	T9	39.2	38.1	38.9	0.8	-
P1190	Residence	600447	4744524	505	T9	38.5	37.4	38.2	0.8	-
P1191	Residence	600462	4744470	561	T9	37.5	36.5	37.2	0.7	-
P1192	Residence	600482	4744407	628	T9	36.5	35.5	36.2	0.7	-
P1193	Residence	600501	4744350	688	T9	35.7	34.7	35.4	0.7	-
P1194	Residence	600512	4744315	724	T9	35.2	34.3	34.9	0.6	-
P1195	Residence	600511	4744274	763	T9	34.8	33.8	34.4	0.6	-
P1196	Residence	600465	4744286	739	T9	35.0	34.1	34.7	0.6	-
P1212	Residence	602018	4744457	678	T51	37.0	36.9	37.1	0.2	-
P1233	Residence	603052	4745134	720	T5	37.5	37.2	37.3	0.1	-
P1234	Residence	603057	4745223	642	T5	37.2	36.2	36.8	0.6	-
P1253	Residence	605221	4745810	849	T2	36.6	36.5	36.6	0.1	-
P1269	Residence	600416	4744652	374	T9	41.3	40.1	41.0	0.9	-
P1279	Residence	603059	4745254	616	T5	37.6	36.5	37.1	0.6	-
P1283	Residence	612059	4748139	536	T67	40.6	40.3	40.6	0.3	-
P2882	Residence	615276	4748290	606	T62	40.4	39.4	40.0	0.6	-
P2883	Residence	615173	4748187	493	T62	42.5	41.4	42.1	0.7	-
P2995	Residence	607255	4745725	684	T54	38.8	38.5	38.7	0.2	-
P2997	Residence	607154	4745757	678	T54	37.9	36.8	37.4	0.6	-
P2998	Residence	607068	4745832	643	T54	38.5	37.4	38.0	0.6	-
P3002	Residence	606893	4746041	597	T54	40.9	40.7	40.9	0.2	-
P3017	Residence	615328	4748090	641	T63	41.0	40.0	40.6	0.6	-

**Appendix D
Sources from Adjacent Facilities**

Appendix D - Sources from Adjacent Facilities

D.1 Grand Renewable Solar Park

The Grand Renewable Solar Park is located in the same approximate area as the Grand Renewable Wind Farm; bounded by Mount Olive Road to the west-southwest, Meadows Road to the northwest/north-northwest, Sutor Road to the east-northeast and Haldimand Road 20 to the south-southeast.

The Grand Renewable Solar Park consist of one hundred (100) 1.0 MW solar panel array units. Other equipment associated with the Solar Park which may be significant noise sources, a 108 MVA transformer, the medium voltage (MV) stations, the distributor static compensator inverter system and the Line Reactor units.

The Solar Park contains sixty-five (65) medium voltage (MV) stations: each housing two (2) 800kW SMA SC800CP-CA inverter and one 1.6-MVA 34.5 kV transformer. The Inverters are each installed in their own cabinet with the MV station enclosure. The MV station enclosure is equipment with acoustic louvers for ventilation purposes.

The Solar Park contains one (1) line reactor which is located at the power substation. The purpose of the line reactor is to filter out current spikes which may exist between the power generation and the grid.

The Solar Park contains two (2) disturbed static compensator ("DSTATCOM"), which is located at the power substation. The purpose of the DSTATCOM Inverters are to maintain high MVAR output at depressed system voltage. The power rating of the two DSTATCOM systems are different: with one rated at 10mVAR and one rated at 8.75 mVAR. For a conservative approach, the previous assessment for the solar park used the sound data for the 10mVAR model to model both units.

As mentioned previously in the Section 2 of the main report, there is a single substation associated with this project, servicing both the Grand Renewable Wind Farm as well as the Grand Renewable Solar Park. Within the substation, there is a 166 MVA transformer servicing the wind farm component and a 108 MVA transformer serving the solar park component. The substation is located on the property of the Solar Farm. Both substations are included in the current assessment.

The equipment and location list for the Grand Renewable Solar Park can be found in table D.1. Table D.2 shows a summary of the sound power level spectra of the Grand Renewable Solar Park equipment used in the current acoustic assessment. The sound power level spectra data were taken from the information reported in the latest noise study report for the project. Further details regarding the models, function and specification can be found in the latest noise study report [1].

D.2 Summerhaven Wind Energy Centre

The Summerhaven Wind Energy Centre ("SWEC"), operated by NextEra Energy Canada ULC, is located to the west of the Grand Renewable Wind Farm. SWEC consist of fifty-eight (58) Siemens SWT-2.221-101 Turbines and one power substation. The equipment summary list for the SWEC can be found in table D.2.

According the SWEC noise study report, issued by Golder and Associates, the SWEC transformer station is located at 582,616 mE, 4,747,537 mN (NAD83 UTM17N). The power substation is located approximately 7.7 km to the west the nearest Grand Renewable Wind Farm Turbine. The SWEC transformer station was not modeled in the previous acoustic assessment report as it was deemed to be an insignificant source given its remote distance and relative levels to other noise sources nearby.

The sound power spectra of the Siemens SWT-2.221-101 wind turbines from the SWEC used in the current assessment can be found in Table D.4. The sound power level spectra data were taken from the information reported in the 2nd Revision of the previous acoustic assessment report.

D.3 Byng Wind Project

At the time of the last acoustic assessment report, the Byng Wind Project ("BWP"), was under development by International Power Canada (IPC; now Engie NA). BWP was modeled in the last acoustic assessment report with six (6) General Electric wind turbines. It was also proposed that the BWP would include one (1) power switching station. The switching station was considered to be relatively small and not modelled in the last acoustic assessment.

BWP was issued an Environmental Compliance Approval-Air ("ECA-Air"), Number 7066-7SMP8D on July 12, 2009, with an amendment to the ECA-Air issued on April 27, 2010. It is understood that the Certificate of Approval-Air for the BWP was revoked.

The project is now defunct. Accordingly, it was removed from consideration in the current acoustic assessment.

D.4 Reference

- [1] A. A. Iravani, "Grand Renewable Solar Park Project Revised Noise Study Report," Dillon Consulting Limited , Toronto , October 2014.
- [2] J. Salmon, S. Corby and C. Brothers, "Grand Renewable Energy Park Noise Assessment Report Revision 2," Zephyr North Ltd. , Burlington, 29 May 2012.

Table D1: Equipment Location- Grand Renewable Solar Farm

Turbine ID	Equipment Description	UTM (Easting, m)	UTM (Northing, m)
DSTAT1	Disturbed Static Compensator ("DSTATCOM")	596530	4749160
DSTAT2	Disturbed Static Compensator ("DSTATCOM")	596550	4749168
LR	Linear Reactor	596488	4749144
TRSS	108 MVA Transformer	596520	4749123
MV1	Medium Voltage Station	597795	4750476
MV2	Medium Voltage Station	597949	4750345
MV3	Medium Voltage Station	597753	4750345
MV4	Medium Voltage Station	597438	4750502
MV5	Medium Voltage Station	597621	4750265
MV6	Medium Voltage Station	597580	4750029
MV7	Medium Voltage Station	597229	4750502
MV8	Medium Voltage Station	597256	4750423
MV9	Medium Voltage Station	597289	4750324
MV10	Medium Voltage Station	597328	4750210
MV11	Medium Voltage Station	597360	4750117
MV12	Medium Voltage Station	597059	4750331
MV13	Medium Voltage Station	597034	4750161
MV14	Medium Voltage Station	597050	4750114
MV15	Medium Voltage Station	597085	4750011
MV16	Medium Voltage Station	596640	4750281
MV17	Medium Voltage Station	596736	4750039
MV18	Medium Voltage Station	596838	4749789
MV19	Medium Voltage Station	596531	4750190
MV20	Medium Voltage Station	596538	4750170
MV21	Medium Voltage Station	596603	4749980
MV22	Medium Voltage Station	596609	4749960
MV23	Medium Voltage Station	596671	4749779
MV24	Medium Voltage Station	596235	4750149
MV25	Medium Voltage Station	596287	4749998
MV26	Medium Voltage Station	596294	4749977
MV27	Medium Voltage Station	596358	4749788
MV28	Medium Voltage Station	596362	4749776
MV29	Medium Voltage Station	595998	4749934
MV30	Medium Voltage Station	596049	4749785
MV31	Medium Voltage Station	596072	4749718
MV32	Medium Voltage Station	596117	4749586
MV33	Medium Voltage Station	596127	4749557
MV34	Medium Voltage Station	596187	4749377
MV35	Medium Voltage Station	596345	4748860
MV36	Medium Voltage Station	596400	4748647
MV37	Medium Voltage Station	596497	4748517
MV38	Medium Voltage Station	596497	4749000

Turbine ID	Equipment Description	UTM (Easting, m)	UTM (Northing, m)
MV39	Medium Voltage Station	596533	4748895
MV40	Medium Voltage Station	596569	4748790
MV41	Medium Voltage Station	596604	4748685
MV42	Medium Voltage Station	596719	4749206
MV43	Medium Voltage Station	596758	4749097
MV44	Medium Voltage Station	596793	4748992
MV45	Medium Voltage Station	596829	4748887
MV46	Medium Voltage Station	596865	4748782
MV47	Medium Voltage Station	596901	4748677
MV48	Medium Voltage Station	596990	4749276
MV49	Medium Voltage Station	597030	4749158
MV50	Medium Voltage Station	597066	4749053
MV51	Medium Voltage Station	597102	4748948
MV52	Medium Voltage Station	597138	4748843
MV53	Medium Voltage Station	597247	4748492
MV54	Medium Voltage Station	597274	4748413
MV55	Medium Voltage Station	597345	4748266
MV56	Medium Voltage Station	597297	4749250
MV57	Medium Voltage Station	597310	4749250
MV58	Medium Voltage Station	597270	4749035
MV59	Medium Voltage Station	597563	4749224
MV60	Medium Voltage Station	597599	4749119
MV61	Medium Voltage Station	597635	4749014
MV62	Medium Voltage Station	597653	4748951
MV63	Medium Voltage Station	597786	4749238
MV64	Medium Voltage Station	597911	4749084
MV65	Medium Voltage Station	597943	4749238

Note: All Coordinates are in UTM, Z17-NAD83 Projection

Table D2: Sound Power Level Spectra of Grand Renewable Solar Farm Equipment

	31.5 Hz (dB)	63 Hz (dB)	125 Hz (dB)	250 Hz (dB)	500 Hz (dB)	1000 Hz (dB)	2000 Hz (dB)	4000 Hz (dB)	8000 Hz (dB)	Total PWL (dBA)
108 MVA Transformer *	84.5	90.5	92.5	87.5	87.5	81.5	76.5	71.5	64.5	87.9
Medium Voltage Station	-	93	83	75	73	66	65	64	60	75.5
Disturbed Static Compensator	-	93	111	95	91	80	74	84	74	96.6
Linear Reactor	78.6	84.6	86.6	81.6	81.6	75.6	70.6	65.6	58.6	82.0

All sources include a 5 dB tonal penalty

Table D3: Equipment Location- Summerhaven Wind Energy Centre

Turbine ID	Equipment Make & Model	UTM (Easting, m)	UTM (Northing, m)
T201	Siemens-SWT-2.221-101	576124	4749873
T203	Siemens-SWT-2.221-101	574742	4748226
T204	Siemens-SWT-2.221-101	575685	4748309
T205	Siemens-SWT-2.221-101	576990	4748661
T206	Siemens-SWT-2.221-101	578518	4748834
T207	Siemens-SWT-2.221-101	579869	4749156
T208	Siemens-SWT-2.221-101	580947	4749341
T209	Siemens-SWT-2.221-101	586015	4749711
T210	Siemens-SWT-2.221-101	586837	4749912
T211	Siemens-SWT-2.221-101	587326	4751141
T212	Siemens-SWT-2.221-101	572316	4746292
T213	Siemens-SWT-2.221-101	572920	4746475
T214	Siemens-SWT-2.221-101	574224	4746586
T215	Siemens-SWT-2.221-101	576150	4746799
T216	Siemens-SWT-2.221-101	577821	4747047
T217	Siemens-SWT-2.221-101	582468	4747896
T218	Siemens-SWT-2.221-101	588422	4748589
T219	Siemens-SWT-2.221-101	590644	4749342
T220	Siemens-SWT-2.221-101	573903	4745199
T221	Siemens-SWT-2.221-101	577726	4746477
T222	Siemens-SWT-2.221-101	579685	4746426
T223	Siemens-SWT-2.221-101	580952	4746798
T224	Siemens-SWT-2.221-101	582973	4747085
T225	Siemens-SWT-2.221-101	583914	4747307
T226	Siemens-SWT-2.221-101	584940	4747269
T227	Siemens-SWT-2.221-101	586761	4746915
T228	Siemens-SWT-2.221-101	591259	4748123
T230	Siemens-SWT-2.221-101	587383	4745469
T231	Siemens-SWT-2.221-101	589357	4746128
T232	Siemens-SWT-2.221-101	590737	4746531
T233	Siemens-SWT-2.221-101	594906	4747489
T234	Siemens-SWT-2.221-101	588348	4744337
T235	Siemens-SWT-2.221-101	588779	4744087
T236	Siemens-SWT-2.221-101	589271	4744225
T237	Siemens-SWT-2.221-101	589975	4744279
T238	Siemens-SWT-2.221-101	591475	4744600
T239	Siemens-SWT-2.221-101	591880	4745113
T240	Siemens-SWT-2.221-101	592721	4744952

Turbine ID	Equipment Make & Model	UTM (Easting, m)	UTM (Northing, m)
T241	Siemens-SWT-2.221-101	593224	4745318
T242	Siemens-SWT-2.221-101	593522	4745702
T243	Siemens-SWT-2.221-101	594899	4745794
T244	Siemens-SWT-2.221-101	596210	4746279
T245	Siemens-SWT-2.221-101	596181	4745775
T246	Siemens-SWT-2.221-101	597119	4745943
T247	Siemens-SWT-2.221-101	597181	4746416
T248	Siemens-SWT-2.221-101	590280	4742517
T249	Siemens-SWT-2.221-101	590293	4742174
T250	Siemens-SWT-2.221-101	590314	4741857
T251	Siemens-SWT-2.221-101	592008	4742791
T252	Siemens-SWT-2.221-101	593087	4743349
T253	Siemens-SWT-2.221-101	593930	4743637
T254	Siemens-SWT-2.221-101	595213	4744131
T255	Siemens-SWT-2.221-101	596817	4743995
T256	Siemens-SWT-2.221-101	597076	4743766
T257	Siemens-SWT-2.221-101	579024	4749020
T258	Siemens-SWT-2.221-101	584373	4748649
T259	Siemens-SWT-2.221-101	577118	4747104
T261	Siemens-SWT-2.221-101	577924	4745876

Note: All Coordinates are in UTM, Z17-NAD83 Projection

Table D4: Wind Turbine Acoustic Emission Summary for Siemens SWT-2.221-101 Turbine

Make and Model: Siemens SWT-2.221-101

Electrical Rating: 2221 kW

Hub Height (m): 80.0 m

Wind shear coefficient, as per Section 6.2.3: 0.45

	Octave Band Sound Power Level (dB)									
	Manufacturer's Sound Power Levels					Adjusted Sound Power Levels				
Wind Speed ¹ (m/s)	6	7	8	9	10	6	7	8	9	10
Frequency ² (Hz)										
31.5	-	-	-	-	-	-	-	-	-	-
63	108.8	-	108.6	-	-	108.8	108.8	108.8	108.8	108.8
125	109.9	-	109.1	-	-	109.9	109.9	109.9	109.9	109.9
250	105.6	-	104.6	-	-	105.6	105.6	105.6	105.6	105.6
500	102.7	-	103.0	-	-	102.7	102.7	102.7	102.7	102.7
1000	99.6	-	100.1	-	-	99.6	99.6	99.6	99.6	99.6
2000	95.9	-	95.3	-	-	95.9	95.9	95.9	95.9	95.9
4000	88.3	-	88.6	-	-	88.3	88.3	88.3	88.3	88.3
8000	86.0	-	86.8	-	-	86.0	86.0	86.0	86.0	86.0
Overall A-weighted (dBA)	105.0	-	105.0	-	-	105.0	105.0	105.0	105.0	105.0

¹ At 10 m reference height.

² Octave Band Frequency. For projects that are subject to the CAN/CSA-C61400-11-07 standard inclusion of the 31.5 Hz data is optional.

**Appendix E
Sample Calculations**

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
T56		598675.0	4750335.0	296.4	0	101	0.0	1000	66.7	0.0	-0.9	0.0	2.2	0.0	0.0	0.0	0.0	0.0	33
T56		598675.0	4750335.0	296.4	0	98	0.0	500	66.7	0.0	-0.9	0.0	1.2	0.0	0.0	0.0	0.0	0.0	31
T56		598675.0	4750335.0	296.4	0	96	0.0	250	66.7	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	29
T56		598675.0	4750335.0	296.4	0	100	0.0	2000	66.7	0.0	-0.9	0.0	5.9	0.0	0.0	0.0	0.0	0.0	28
T25		599133.0	4750265.0	292.7	0	101	0.0	1000	70.9	0.0	-0.9	0.0	3.6	0.0	0.0	0.0	0.0	0.0	27
T25		599133.0	4750265.0	292.7	0	98	0.0	500	70.9	0.0	-0.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0	26
T56		598675.0	4750335.0	296.4	0	94	0.0	125	66.7	0.0	1.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	25
T25		599133.0	4750265.0	292.7	0	96	0.0	250	70.9	0.0	0.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	24
T56		598675.0	4750335.0	296.4	0	88	0.0	63	66.7	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	24
T25		599133.0	4750265.0	292.7	0	94	0.0	125	70.9	0.0	1.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0	20
T25		599133.0	4750265.0	292.7	0	100	0.0	2000	70.9	0.0	-0.9	0.0	9.6	0.0	0.0	0.0	0.0	0.0	20
T25		599133.0	4750265.0	292.7	0	88	0.0	63	70.9	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	20
T29		599967.0	4750467.0	289.5	0	98	0.0	500	76.3	0.0	-0.9	0.0	3.6	0.0	0.0	0.0	0.0	0.0	19
T27		598999.0	4748313.0	298.0	0	98	0.0	500	76.4	0.0	-0.9	0.0	3.6	0.0	0.0	0.0	0.0	0.0	19
T29		599967.0	4750467.0	289.5	0	101	0.0	1000	76.3	0.0	-0.9	0.0	6.8	0.0	0.0	0.0	0.0	0.0	18
T27		598999.0	4748313.0	298.0	0	101	0.0	1000	76.4	0.0	-0.9	0.0	6.8	0.0	0.0	0.0	0.0	0.0	18
T44		599489.0	4748483.0	299.5	0	98	0.0	500	77.0	0.0	-0.9	0.0	3.8	0.0	0.0	0.0	0.0	0.0	18
T29		599967.0	4750467.0	289.5	0	96	0.0	250	76.3	0.0	0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	18
T27		598999.0	4748313.0	298.0	0	96	0.0	250	76.4	0.0	0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	18
T17		598648.0	4747922.0	295.0	0	98	0.0	500	77.5	0.0	-0.9	0.0	4.1	0.0	0.0	0.0	0.0	0.0	17
T44		599489.0	4748483.0	299.5	0	101	0.0	1000	77.0	0.0	-0.9	0.0	7.3	0.0	0.0	0.0	0.0	0.0	17
T44		599489.0	4748483.0	299.5	0	96	0.0	250	77.0	0.0	0.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	17
T42		600381.0	4750377.0	286.9	0	98	0.0	500	78.0	0.0	-0.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	17
T17		598648.0	4747922.0	295.0	0	96	0.0	250	77.5	0.0	0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	16
T17		598648.0	4747922.0	295.0	0	101	0.0	1000	77.5	0.0	-0.9	0.0	7.7	0.0	0.0	0.0	0.0	0.0	16
T42		600381.0	4750377.0	286.9	0	96	0.0	250	78.0	0.0	0.1	0.0	2.3	0.0	0.0	0.0	0.0	0.0	16
T42		600381.0	4750377.0	286.9	0	101	0.0	1000	78.0	0.0	-0.9	0.0	8.2	0.0	0.0	0.0	0.0	0.0	15
T52		599708.0	4748016.0	295.9	0	98	0.0	500	78.9	0.0	-0.9	0.0	4.8	0.0	0.0	0.0	0.0	0.0	15
T29		599967.0	4750467.0	289.5	0	94	0.0	125	76.3	0.0	1.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	15
T27		598999.0	4748313.0	298.0	0	94	0.0	125	76.4	0.0	1.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	15
T52		599708.0	4748016.0	295.9	0	96	0.0	250	78.9	0.0	0.1	0.0	2.6	0.0	0.0	0.0	0.0	0.0	14
T29		599967.0	4750467.0	289.5	0	88	0.0	63	76.3	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
T27		598999.0	4748313.0	298.0	0	88	0.0	63	76.4	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
T53		600301.0	4748359.0	294.8	0	98	0.0	500	79.5	0.0	-0.9	0.0	5.2	0.0	0.0	0.0	0.0	0.0	14
T56		598675.0	4750335.0	296.4	0	78	0.0	32	66.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
T44		599489.0	4748483.0	299.5	0	94	0.0	125	77.0	0.0	1.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	14
DSTAT2	SolarPark	596550.0	4749168.0	205.1	0	95	0.0	125	76.2	0.0	4.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	14
DSTAT1	SolarPark	596530.0	4749160.0	205.2	0	95	0.0	125	76.3	0.0	4.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	14
T53		600301.0	4748359.0	294.8	0	96	0.0	250	79.5	0.0	0.1	0.0	2.8	0.0	0.0	0.0	0.0	0.0	14
T44		599489.0	4748483.0	299.5	0	88	0.0	63	77.0	0.0	-3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	14
T17		598648.0	4747922.0	295.0	0	94	0.0	125	77.5	0.0	1.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	13
T52		599708.0	4748016.0	295.9	0	101	0.0	1000	78.9	0.0	-0.9	0.0	9.1	0.0	0.0	0.0	0.0	0.0	13
T17		598648.0	4747922.0	295.0	0	88	0.0	63	77.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	13
T42		600381.0	4750377.0	286.9	0	94	0.0	125	78.0	0.0	1.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	13
T42		600381.0	4750377.0	286.9	0	88	0.0	63	78.0	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	13
T53		600301.0	4748359.0	294.8	0	101	0.0	1000	79.5	0.0	-0.9	0.0	9.8	0.0	0.0	0.0	0.0	0.0	12
T52		599708.0	4748016.0	295.9	0	94	0.0	125	78.9	0.0	1.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0	12
T52		599708.0	4748016.0	295.9	0	88	0.0	63	78.9	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	12
Tr300		596520.0	4749103.0	206.6	0	90	0.0	500	76.5	0.0	-1.7	0.0	3.6	0.0	0.0	0.0	0.0	0.0	11
T53		600301.0	4748359.0	294.8	0	94	0.0	125	79.5	0.0	1.8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	11
T247		597181.0	4746416.0	277.5	0	100	0.0	500	82.4	0.0	-1.2	0.0	7.2	0.0	0.0	0.0	0.0	0.0	11

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
T247		597181.0	4746416.0	277.5	0	97	0.0	250	82.4	0.0	-0.2	0.0	3.9	0.0	0.0	0.0	0.0	0.0	11
T56		598675.0	4750335.0	296.4	0	97	0.0	4000	66.7	0.0	-0.9	0.0	20.0	0.0	0.0	0.0	0.0	0.0	11
T53		600301.0	4748359.0	294.8	0	88	0.0	63	79.5	0.0	-3.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	11
T25		599133.0	4750265.0	292.7	0	78	0.0	32	70.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
T233		594906.0	4747489.0	279.3	0	97	0.0	250	83.3	0.0	-0.3	0.0	4.3	0.0	0.0	0.0	0.0	0.0	10
T233		594906.0	4747489.0	279.3	0	100	0.0	500	83.3	0.0	-1.2	0.0	7.9	0.0	0.0	0.0	0.0	0.0	10
T246		597119.0	4745943.0	270.0	0	97	0.0	250	83.4	0.0	-0.3	0.0	4.4	0.0	0.0	0.0	0.0	0.0	10
T16		594352.0	4749960.0	299.9	0	96	0.0	250	82.7	0.0	-0.1	0.0	4.0	0.0	0.0	0.0	0.0	0.0	9
T22		601756.0	4751401.0	283.2	0	96	0.0	250	82.7	0.0	-0.1	0.0	4.0	0.0	0.0	0.0	0.0	0.0	9
T55		600136.0	4746677.0	285.5	0	96	0.0	250	82.7	0.0	-0.1	0.0	4.0	0.0	0.0	0.0	0.0	0.0	9
T244		596210.0	4746279.0	279.2	0	97	0.0	250	83.5	0.0	-0.3	0.0	4.4	0.0	0.0	0.0	0.0	0.0	9
T13		594663.0	4751618.0	304.5	0	96	0.0	250	82.8	0.0	-0.1	0.0	4.1	0.0	0.0	0.0	0.0	0.0	9
T246		597119.0	4745943.0	270.0	0	100	0.0	500	83.4	0.0	-1.3	0.0	8.1	0.0	0.0	0.0	0.0	0.0	9
DSTAT2	SolarPark	596550.0	4749168.0	205.1	0	88	0.0	500	76.2	0.0	-1.1	0.0	3.5	0.0	0.0	0.0	0.0	0.0	9
T244		596210.0	4746279.0	279.2	0	100	0.0	500	83.5	0.0	-1.3	0.0	8.1	0.0	0.0	0.0	0.0	0.0	9
DSTAT1	SolarPark	596530.0	4749160.0	205.2	0	88	0.0	500	76.3	0.0	-1.1	0.0	3.6	0.0	0.0	0.0	0.0	0.0	9
T16		594352.0	4749960.0	299.9	0	98	0.0	500	82.7	0.0	-1.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	9
T22		601756.0	4751401.0	283.2	0	98	0.0	500	82.7	0.0	-1.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	9
T55		600136.0	4746677.0	285.5	0	98	0.0	500	82.7	0.0	-1.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	9
T13		594663.0	4751618.0	304.5	0	98	0.0	500	82.8	0.0	-1.1	0.0	7.5	0.0	0.0	0.0	0.0	0.0	9
T48		594126.0	4750504.0	304.4	0	96	0.0	250	83.2	0.0	-0.1	0.0	4.3	0.0	0.0	0.0	0.0	0.0	9
T68		602131.0	4748909.0	299.5	0	96	0.0	250	83.2	0.0	-0.1	0.0	4.3	0.0	0.0	0.0	0.0	0.0	9
T247		597181.0	4746416.0	277.5	0	94	0.0	125	82.4	0.0	1.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0	8
T16		594352.0	4749960.0	299.9	0	88	0.0	63	82.7	0.0	-3.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T22		601756.0	4751401.0	283.2	0	88	0.0	63	82.7	0.0	-3.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T55		600136.0	4746677.0	285.5	0	88	0.0	63	82.7	0.0	-3.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T245		596181.0	4745775.0	273.4	0	97	0.0	250	84.4	0.0	-0.3	0.0	4.9	0.0	0.0	0.0	0.0	0.0	8
T13		594663.0	4751618.0	304.5	0	88	0.0	63	82.8	0.0	-3.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T48		594126.0	4750504.0	304.4	0	98	0.0	500	83.2	0.0	-1.1	0.0	7.9	0.0	0.0	0.0	0.0	0.0	8
T68		602131.0	4748909.0	299.5	0	98	0.0	500	83.2	0.0	-1.1	0.0	7.9	0.0	0.0	0.0	0.0	0.0	8
T12		601479.0	4747111.0	289.5	0	96	0.0	250	83.8	0.0	-0.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	8
MV2	SolarPark	597949.0	4750345.0	202.0	0	67	0.0	63	63.6	0.0	-4.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	8
T48		594126.0	4750504.0	304.4	0	88	0.0	63	83.2	0.0	-3.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T68		602131.0	4748909.0	299.5	0	88	0.0	63	83.2	0.0	-3.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	8
T37		602481.0	4749039.0	299.5	0	96	0.0	250	83.9	0.0	-0.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	8
T16		594352.0	4749960.0	299.9	0	94	0.0	125	82.7	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	8
T22		601756.0	4751401.0	283.2	0	94	0.0	125	82.7	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	8
T55		600136.0	4746677.0	285.5	0	94	0.0	125	82.7	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	8
T38		602608.0	4749469.0	299.5	0	96	0.0	250	84.0	0.0	-0.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	8
T13		594663.0	4751618.0	304.5	0	94	0.0	125	82.8	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	8
T233		594906.0	4747489.0	279.3	0	94	0.0	125	83.3	0.0	1.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	7
T245		596181.0	4745775.0	273.4	0	100	0.0	500	84.4	0.0	-1.3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	7
T12		601479.0	4747111.0	289.5	0	88	0.0	63	83.8	0.0	-3.9	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
T37		602481.0	4749039.0	299.5	0	88	0.0	63	83.9	0.0	-3.9	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
T246		597119.0	4745943.0	270.0	0	94	0.0	125	83.4	0.0	1.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	7
T244		596210.0	4746279.0	279.2	0	94	0.0	125	83.5	0.0	1.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	7
T38		602608.0	4749469.0	299.5	0	88	0.0	63	84.0	0.0	-3.9	0.0	0.5	0.0	0.0	0.0	0.0	0.0	7
T48		594126.0	4750504.0	304.4	0	94	0.0	125	83.2	0.0	1.6	0.0	1.7	0.0	0.0	0.0	0.0	0.0	7
T68		602131.0	4748909.0	299.5	0	94	0.0	125	83.2	0.0	1.6	0.0	1.7	0.0	0.0	0.0	0.0	0.0	7
T35		602880.0	4749652.0	299.5	0	96	0.0	250	84.5	0.0	-0.2	0.0	4.9	0.0	0.0	0.0	0.0	0.0	7
T12		601479.0	4747111.0	289.5	0	98	0.0	500	83.8	0.0	-1.2	0.0	8.4	0.0	0.0	0.0	0.0	0.0	7

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
T29		599967.0	4750467.0	289.5	0	100	0.0	2000	76.3	0.0	-0.9	0.0	17.9	0.0	0.0	0.0	0.0	0.0	7
T37		602481.0	4749039.0	299.5	0	98	0.0	500	83.9	0.0	-1.2	0.0	8.5	0.0	0.0	0.0	0.0	0.0	7
T35		602880.0	4749652.0	299.5	0	88	0.0	63	84.5	0.0	-4.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	7
T27		598999.0	4748313.0	298.0	0	100	0.0	2000	76.4	0.0	-0.9	0.0	18.0	0.0	0.0	0.0	0.0	0.0	7
T38		602608.0	4749469.0	299.5	0	98	0.0	500	84.0	0.0	-1.2	0.0	8.6	0.0	0.0	0.0	0.0	0.0	7
T12		601479.0	4747111.0	289.5	0	94	0.0	125	83.8	0.0	1.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	6
T37		602481.0	4749039.0	299.5	0	94	0.0	125	83.9	0.0	1.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	6
T10		593994.0	4748442.0	299.5	0	98	0.0	500	84.0	0.0	-1.2	0.0	8.6	0.0	0.0	0.0	0.0	0.0	6
T38		602608.0	4749469.0	299.5	0	94	0.0	125	84.0	0.0	1.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	6
T245		596181.0	4745775.0	273.4	0	94	0.0	125	84.4	0.0	1.4	0.0	1.9	0.0	0.0	0.0	0.0	0.0	6
TRSS	SolarPark	596520.0	4749123.0	206.6	0	84	0.0	500	76.5	0.0	-1.7	0.0	3.6	0.0	0.0	0.0	0.0	0.0	6
MV3	SolarPark	597753.0	4750345.0	202.0	0	67	0.0	63	66.0	0.0	-5.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	6
T35		602880.0	4749652.0	299.5	0	94	0.0	125	84.5	0.0	1.5	0.0	1.9	0.0	0.0	0.0	0.0	0.0	6
T35		602880.0	4749652.0	299.5	0	98	0.0	500	84.5	0.0	-1.2	0.0	9.1	0.0	0.0	0.0	0.0	0.0	6
DSTAT2	SolarPark	596550.0	4749168.0	205.1	0	86	0.0	250	76.2	0.0	2.7	0.0	1.9	0.0	0.0	0.0	0.0	0.0	6
DSTAT1	SolarPark	596530.0	4749160.0	205.2	0	86	0.0	250	76.3	0.0	2.7	0.0	1.9	0.0	0.0	0.0	0.0	0.0	5
MV2	SolarPark	597949.0	4750345.0	202.0	0	70	0.0	500	63.6	0.0	0.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	5
MV6	SolarPark	597580.0	4750029.0	202.0	0	67	0.0	63	66.6	0.0	-5.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	5
MV1	SolarPark	597795.0	4750476.0	202.0	0	67	0.0	63	66.9	0.0	-5.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	5
T16		594352.0	4749960.0	299.9	0	101	0.0	1000	82.7	0.0	-1.1	0.0	14.0	0.0	0.0	0.0	0.0	0.0	5
MV5	SolarPark	597621.0	4750265.0	202.0	0	67	0.0	63	67.0	0.0	-5.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	5
T22		601756.0	4751401.0	283.2	0	101	0.0	1000	82.7	0.0	-1.1	0.0	14.1	0.0	0.0	0.0	0.0	0.0	5
T55		600136.0	4746677.0	285.5	0	101	0.0	1000	82.7	0.0	-1.1	0.0	14.1	0.0	0.0	0.0	0.0	0.0	5
T247		597181.0	4746416.0	277.5	0	100	0.0	1000	82.4	0.0	-1.2	0.0	13.6	0.0	0.0	0.0	0.0	0.0	5
T44		599489.0	4748483.0	299.5	0	100	0.0	2000	77.0	0.0	-0.9	0.0	19.3	0.0	0.0	0.0	0.0	0.0	5
T13		594663.0	4751618.0	304.5	0	101	0.0	1000	82.8	0.0	-1.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	5
T10		593994.0	4748442.0	299.5	0	93	0.0	250	84.0	0.0	-0.2	0.0	4.7	0.0	0.0	0.0	0.0	0.0	5
T29		599967.0	4750467.0	289.5	0	78	0.0	32	76.3	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4
T27		598999.0	4748313.0	298.0	0	78	0.0	32	76.4	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4
T10		593994.0	4748442.0	299.5	0	91	0.0	125	84.0	0.0	1.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	4
T10		593994.0	4748442.0	299.5	0	84	0.0	63	84.0	0.0	-3.9	0.0	0.5	0.0	0.0	0.0	0.0	0.0	4
T247		597181.0	4746416.0	277.5	0	83	0.0	63	82.4	0.0	-3.9	0.0	0.5	0.0	0.0	0.0	0.0	0.0	4
T44		599489.0	4748483.0	299.5	0	78	0.0	32	77.0	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4
T48		594126.0	4750504.0	304.4	0	101	0.0	1000	83.2	0.0	-1.1	0.0	15.0	0.0	0.0	0.0	0.0	0.0	3
T68		602131.0	4748909.0	299.5	0	101	0.0	1000	83.2	0.0	-1.1	0.0	15.0	0.0	0.0	0.0	0.0	0.0	3
Ti300		596520.0	4749103.0	206.6	0	83	0.0	250	76.5	0.0	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3
T17		598648.0	4747922.0	295.0	0	78	0.0	32	77.5	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3
MV65	SolarPark	597943.0	4749238.0	202.0	0	67	0.0	63	68.9	0.0	-5.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3
T233		594906.0	4747489.0	279.3	0	83	0.0	63	83.3	0.0	-4.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	3
T17		598648.0	4747922.0	295.0	0	100	0.0	2000	77.5	0.0	-0.9	0.0	20.5	0.0	0.0	0.0	0.0	0.0	3
T246		597119.0	4745943.0	270.0	0	83	0.0	63	83.4	0.0	-4.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	3
T244		596210.0	4746279.0	279.2	0	83	0.0	63	83.5	0.0	-4.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	3
MV3	SolarPark	597753.0	4750345.0	202.0	0	70	0.0	500	66.0	0.0	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	3
T42		600381.0	4750377.0	286.9	0	78	0.0	32	78.0	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3
MV11	SolarPark	597360.0	4750117.0	203.3	0	67	0.0	63	69.4	0.0	-5.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3
T233		594906.0	4747489.0	279.3	0	100	0.0	1000	83.3	0.0	-1.2	0.0	15.1	0.0	0.0	0.0	0.0	0.0	3
MV63	SolarPark	597786.0	4749238.0	202.0	0	67	0.0	63	69.6	0.0	-5.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2
MV2	SolarPark	597949.0	4750345.0	202.0	0	66	0.0	1000	63.6	0.0	-1.3	0.0	1.6	0.0	0.0	0.0	0.0	0.0	2
MV10	SolarPark	597328.0	4750210.0	204.0	0	67	0.0	63	69.9	0.0	-5.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2
T246		597119.0	4745943.0	270.0	0	100	0.0	1000	83.4	0.0	-1.3	0.0	15.3	0.0	0.0	0.0	0.0	0.0	2
T244		596210.0	4746279.0	279.2	0	100	0.0	1000	83.5	0.0	-1.3	0.0	15.4	0.0	0.0	0.0	0.0	0.0	2

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
T245		596181.0	4745775.0	273.4	0	83	0.0	63	84.4	0.0	-4.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	2
MV6	SolarPark	597580.0	4750029.0	202.0	0	70	0.0	500	66.6	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	2
T12		601479.0	4747111.0	289.5	0	101	0.0	1000	83.8	0.0	-1.2	0.0	16.0	0.0	0.0	0.0	0.0	0.0	2
T52		599708.0	4748016.0	295.9	0	78	0.0	32	78.9	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2
T37		602481.0	4749039.0	299.5	0	101	0.0	1000	83.9	0.0	-1.2	0.0	16.1	0.0	0.0	0.0	0.0	0.0	2
MV1	SolarPark	597795.0	4750476.0	202.0	0	70	0.0	500	66.9	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	2
MV5	SolarPark	597621.0	4750265.0	202.0	0	70	0.0	500	67.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	2
MV64	SolarPark	597911.0	4749084.0	202.0	0	67	0.0	63	70.5	0.0	-5.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2
MV9	SolarPark	597289.0	4750324.0	205.0	0	67	0.0	63	70.6	0.0	-5.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2
T38		602608.0	4749469.0	299.5	0	101	0.0	1000	84.0	0.0	-1.2	0.0	16.3	0.0	0.0	0.0	0.0	0.0	1
T42		600381.0	4750377.0	286.9	0	100	0.0	2000	78.0	0.0	-0.9	0.0	21.6	0.0	0.0	0.0	0.0	0.0	1
MV59	SolarPark	597563.0	4749224.0	202.0	0	67	0.0	63	70.9	0.0	-5.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1
T53		600301.0	4748359.0	294.8	0	78	0.0	32	79.5	0.0	-3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1
MV8	SolarPark	597256.0	4750423.0	205.8	0	67	0.0	63	71.2	0.0	-5.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1
MV60	SolarPark	597599.0	4749119.0	203.1	0	67	0.0	63	71.4	0.0	-5.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1
MV2	SolarPark	597949.0	4750345.0	202.0	0	67	0.0	125	63.6	0.0	2.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0
MV7	SolarPark	597229.0	4750502.0	205.8	0	67	0.0	63	71.7	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV15	SolarPark	597085.0	4750011.0	204.5	0	67	0.0	63	71.8	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV61	SolarPark	597635.0	4749014.0	203.9	0	67	0.0	63	72.0	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
T10		593994.0	4748442.0	299.5	0	99	0.0	1000	84.0	0.0	-1.2	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0
Tr300		596520.0	4749103.0	206.6	0	82	0.0	1000	76.5	0.0	-1.7	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0
MV14	SolarPark	597050.0	4750114.0	205.6	0	67	0.0	63	72.1	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV57	SolarPark	597310.0	4749250.0	202.9	0	67	0.0	63	72.2	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
T35		602880.0	4749652.0	299.5	0	101	0.0	1000	84.5	0.0	-1.2	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0
TRSS	SolarPark	596520.0	4749123.0	206.6	0	82	0.0	1000	76.5	0.0	-1.7	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0
MV56	SolarPark	597297.0	4749250.0	202.9	0	67	0.0	63	72.2	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV2	SolarPark	597949.0	4750345.0	202.0	0	66	0.0	2000	63.6	0.0	-1.4	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0
TRSS	SolarPark	596520.0	4749123.0	206.6	0	79	0.0	250	76.5	0.0	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0
LR	SolarPark	596488.0	4749144.0	209.7	0	78	0.0	500	76.5	0.0	-1.6	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0
MV13	SolarPark	597034.0	4750161.0	206.0	0	67	0.0	63	72.3	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV62	SolarPark	597653.0	4748951.0	204.4	0	67	0.0	63	72.3	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
MV12	SolarPark	597059.0	4750331.0	206.9	0	67	0.0	63	72.4	0.0	-5.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0
T245		596181.0	4745775.0	273.4	0	100	0.0	1000	84.4	0.0	-1.3	0.0	17.1	0.0	0.0	0.0	0.0	0.0	-1
MV3	SolarPark	597753.0	4750345.0	202.0	0	66	0.0	1000	66.0	0.0	-1.4	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-1
MV65	SolarPark	597943.0	4749238.0	202.0	0	70	0.0	500	68.9	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-1
DSTAT2		596550.0	4749168.0	205.1	0	80	0.0	1000	76.2	0.0	-1.7	0.0	6.7	0.0	0.0	0.0	0.0	0.0	-1
MV11	SolarPark	597360.0	4750117.0	203.3	0	70	0.0	500	69.4	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-1
DSTAT1	SolarPark	596530.0	4749160.0	205.2	0	80	0.0	1000	76.3	0.0	-1.7	0.0	6.8	0.0	0.0	0.0	0.0	0.0	-1
MV6	SolarPark	597580.0	4750029.0	202.0	0	66	0.0	1000	66.6	0.0	-1.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-1
MV63	SolarPark	597786.0	4749238.0	202.0	0	70	0.0	500	69.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-1
MV2	SolarPark	597949.0	4750345.0	202.0	0	66	0.0	250	63.6	0.0	3.8	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-2
MV18	SolarPark	596838.0	4749789.0	203.2	0	67	0.0	63	73.7	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-2
T16		594352.0	4749960.0	299.9	0	78	0.0	32	82.7	0.0	-3.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
MV48	SolarPark	596990.0	4749276.0	202.3	0	67	0.0	63	73.9	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-2
T22		601756.0	4751401.0	283.2	0	78	0.0	32	82.7	0.0	-3.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
T55		600136.0	4746677.0	285.5	0	78	0.0	32	82.7	0.0	-3.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
T13		594663.0	4751618.0	304.5	0	78	0.0	32	82.8	0.0	-3.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
MV1	SolarPark	597795.0	4750476.0	202.0	0	66	0.0	1000	66.9	0.0	-1.4	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-2
MV5	SolarPark	597621.0	4750265.0	202.0	0	66	0.0	1000	67.0	0.0	-1.4	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-2
MV10	SolarPark	597328.0	4750210.0	204.0	0	70	0.0	500	69.9	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-2
MV17	SolarPark	596736.0	4750039.0	205.5	0	67	0.0	63	74.2	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-2

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
T48		594126.0	4750504.0	304.4	0	78	0.0	32	83.2	0.0	-3.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
T68		602131.0	4748909.0	299.5	0	78	0.0	32	83.2	0.0	-3.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
MV4	SolarPark	597438.0	4750502.0	204.4	0	70	0.0	500	70.1	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-2
T52		599708.0	4748016.0	295.9	0	100	0.0	2000	78.9	0.0	-0.9	0.0	24.1	0.0	0.0	0.0	0.0	0.0	-2
Tr300		596520.0	4749103.0	206.6	0	79	0.0	125	76.5	0.0	3.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-2
MV23	SolarPark	596671.0	4749779.0	204.4	0	67	0.0	63	74.7	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-2
T12		601479.0	4747111.0	289.5	0	78	0.0	32	83.8	0.0	-3.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
T37		602481.0	4749039.0	299.5	0	78	0.0	32	83.9	0.0	-3.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-2
MV64	SolarPark	597911.0	4749084.0	202.0	0	70	0.0	500	70.5	0.0	-0.1	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-3
T38		602608.0	4749469.0	299.5	0	78	0.0	32	84.0	0.0	-3.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-3
MV3	SolarPark	597753.0	4750345.0	202.0	0	67	0.0	125	66.0	0.0	3.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV9	SolarPark	597289.0	4750324.0	205.0	0	70	0.0	500	70.6	0.0	-0.1	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-3
MV22	SolarPark	596609.0	4749960.0	205.3	0	67	0.0	63	74.9	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV21	SolarPark	596603.0	4749980.0	205.3	0	67	0.0	63	75.0	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV59	SolarPark	597563.0	4749224.0	202.0	0	70	0.0	500	70.9	0.0	-0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	-3
T35		602880.0	4749652.0	299.5	0	78	0.0	32	84.5	0.0	-4.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV42	SolarPark	596719.0	4749206.0	203.7	0	67	0.0	63	75.4	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV8	SolarPark	597256.0	4750423.0	205.8	0	70	0.0	500	71.2	0.0	-0.1	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-3
MV43	SolarPark	596758.0	4749097.0	203.1	0	67	0.0	63	75.5	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV6	SolarPark	597580.0	4750029.0	202.0	0	67	0.0	125	66.6	0.0	3.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV44	SolarPark	596793.0	4748992.0	202.6	0	67	0.0	63	75.7	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-3
MV60	SolarPark	597599.0	4749119.0	203.1	0	70	0.0	500	71.4	0.0	-0.1	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-4
MV3	SolarPark	597753.0	4750345.0	202.0	0	66	0.0	2000	66.0	0.0	-1.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0	-4
MV3	SolarPark	597753.0	4750345.0	202.0	0	66	0.0	250	66.0	0.0	3.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-4
MV1	SolarPark	597795.0	4750476.0	202.0	0	67	0.0	125	66.9	0.0	3.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-4
MV5	SolarPark	597621.0	4750265.0	202.0	0	67	0.0	125	67.0	0.0	3.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-4
MV7	SolarPark	597229.0	4750502.0	205.8	0	70	0.0	500	71.7	0.0	-0.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-4
DSTAT2	SolarPark	596550.0	4749168.0	205.1	0	67	0.0	63	76.2	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-4
MV28	SolarPark	596362.0	4749776.0	206.6	0	67	0.0	63	76.3	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-4
MV27	SolarPark	596358.0	4749788.0	206.6	0	67	0.0	63	76.3	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-4
DSTAT1	SolarPark	596530.0	4749160.0	205.2	0	67	0.0	63	76.3	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-4
MV15	SolarPark	597085.0	4750011.0	204.5	0	70	0.0	500	71.8	0.0	-0.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-4
MV61	SolarPark	597635.0	4749014.0	203.9	0	70	0.0	500	72.0	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-4
MV65	SolarPark	597943.0	4749238.0	202.0	0	66	0.0	1000	68.9	0.0	-1.5	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-4
MV6	SolarPark	597580.0	4750029.0	202.0	0	66	0.0	250	66.6	0.0	3.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-5
MV14	SolarPark	597050.0	4750114.0	205.6	0	70	0.0	500	72.1	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-5
MV57	SolarPark	597310.0	4749250.0	202.9	0	70	0.0	500	72.2	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-5
T53		600301.0	4748359.0	294.8	0	100	0.0	2000	79.5	0.0	-0.9	0.0	25.8	0.0	0.0	0.0	0.0	0.0	-5
TR55	SolarPark	596520.0	4749123.0	206.6	0	76	0.0	125	76.5	0.0	3.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-5
MV56	SolarPark	597297.0	4749250.0	202.9	0	70	0.0	500	72.2	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-5
MV38	SolarPark	596497.0	4749000.0	204.4	0	67	0.0	63	76.8	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-5
MV13	SolarPark	597034.0	4750161.0	206.0	0	70	0.0	500	72.3	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-5
MV62	SolarPark	597653.0	4748951.0	204.4	0	70	0.0	500	72.3	0.0	-0.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-5
MV39	SolarPark	596533.0	4748895.0	203.8	0	67	0.0	63	76.9	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-5
MV6	SolarPark	597580.0	4750029.0	202.0	0	66	0.0	2000	66.6	0.0	-1.5	0.0	5.9	0.0	0.0	0.0	0.0	0.0	-5
MV1	SolarPark	597795.0	4750476.0	202.0	0	66	0.0	250	66.9	0.0	3.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-5
MV12	SolarPark	597059.0	4750331.0	206.9	0	70	0.0	500	72.4	0.0	-0.1	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-5
MV40	SolarPark	596569.0	4748790.0	203.3	0	67	0.0	63	77.1	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-5
MV5	SolarPark	597621.0	4750265.0	202.0	0	66	0.0	250	67.0	0.0	3.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-5
MV11	SolarPark	597360.0	4750117.0	203.3	0	66	0.0	1000	69.4	0.0	-1.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-5
LR	SolarPark	596488.0	4749144.0	209.7	0	73	0.0	250	76.5	0.0	-0.6	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-5

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
MV41	SolarPark	596604.0	4748685.0	202.8	0	67	0.0	63	77.2	0.0	-5.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-5
MV1	SolarPark	597795.0	4750476.0	202.0	0	66	0.0	2000	66.9	0.0	-1.5	0.0	6.0	0.0	0.0	0.0	0.0	0.0	-5
MV63	SolarPark	597786.0	4749238.0	202.0	0	66	0.0	1000	69.6	0.0	-1.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-5
MV5	SolarPark	597621.0	4750265.0	202.0	0	66	0.0	2000	67.0	0.0	-1.5	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-5
MV35	SolarPark	596345.0	4748860.0	204.9	0	67	0.0	63	77.7	0.0	-5.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-5
MV10	SolarPark	597328.0	4750210.0	204.0	0	66	0.0	1000	69.9	0.0	-1.5	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-6
T25		599133.0	4750265.0	292.7	0	97	0.0	4000	70.9	0.0	-0.9	0.0	32.5	0.0	0.0	0.0	0.0	0.0	-6
LR	SolarPark	596488.0	4749144.0	209.7	0	76	0.0	1000	76.5	0.0	-1.6	0.0	6.9	0.0	0.0	0.0	0.0	0.0	-6
MV65	SolarPark	597943.0	4749238.0	202.0	0	67	0.0	125	68.9	0.0	4.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-6
MV64	SolarPark	597911.0	4749084.0	202.0	0	66	0.0	1000	70.5	0.0	-1.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-6
MV18	SolarPark	596838.0	4749789.0	203.2	0	70	0.0	500	73.7	0.0	-0.1	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-6
MV9	SolarPark	597289.0	4750324.0	205.0	0	66	0.0	1000	70.6	0.0	-1.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-7
MV48	SolarPark	596990.0	4749276.0	202.3	0	70	0.0	500	73.9	0.0	-0.1	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-7
TRSS	SolarPark	596520.0	4749123.0	206.6	0	64	0.0	63	76.5	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-7
T10		593994.0	4748442.0	299.5	0	73	0.0	32	84.0	0.0	-3.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-7
MV65	SolarPark	597943.0	4749238.0	202.0	0	66	0.0	250	68.9	0.0	3.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-7
MV59	SolarPark	597563.0	4749224.0	202.0	0	66	0.0	1000	70.9	0.0	-1.5	0.0	3.6	0.0	0.0	0.0	0.0	0.0	-7
MV11	SolarPark	597360.0	4750117.0	203.3	0	67	0.0	125	69.4	0.0	4.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-7
MV63	SolarPark	597786.0	4749238.0	202.0	0	67	0.0	125	69.6	0.0	4.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-7
MV17	SolarPark	596736.0	4750039.0	205.5	0	70	0.0	500	74.2	0.0	-0.1	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-7
MV8	SolarPark	597256.0	4750423.0	205.8	0	66	0.0	1000	71.2	0.0	-1.5	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-7
MV11	SolarPark	597360.0	4750117.0	203.3	0	66	0.0	250	69.4	0.0	3.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0	-8
MV4	SolarPark	597438.0	4750502.0	204.4	0	66	0.0	1000	70.1	0.0	-1.5	1.5	3.3	0.0	0.0	0.0	0.0	0.0	-8
MV63	SolarPark	597786.0	4749238.0	202.0	0	66	0.0	250	69.6	0.0	3.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0	-8
MV10	SolarPark	597328.0	4750210.0	204.0	0	67	0.0	125	69.9	0.0	4.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-8
MV4	SolarPark	597438.0	4750502.0	204.4	0	67	0.0	63	70.1	0.0	-5.4	9.6	0.1	0.0	0.0	0.0	0.0	0.0	-8
MV60	SolarPark	597599.0	4749119.0	203.1	0	66	0.0	1000	71.4	0.0	-1.5	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-8
MV23	SolarPark	596671.0	4749779.0	204.4	0	70	0.0	500	74.7	0.0	-0.1	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-8
MV4	SolarPark	597438.0	4750502.0	204.4	0	67	0.0	125	70.1	0.0	4.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-8
MV10	SolarPark	597328.0	4750210.0	204.0	0	66	0.0	250	69.9	0.0	3.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0	-8
MV7	SolarPark	597229.0	4750502.0	205.8	0	66	0.0	1000	71.7	0.0	-1.5	0.0	4.0	0.0	0.0	0.0	0.0	0.0	-8
MV22	SolarPark	596609.0	4749960.0	205.3	0	70	0.0	500	74.9	0.0	-0.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-8
MV21	SolarPark	596603.0	4749980.0	205.3	0	70	0.0	500	75.0	0.0	-0.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-8
MV4	SolarPark	597438.0	4750502.0	204.4	0	66	0.0	250	70.1	0.0	3.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0	-8
MV64	SolarPark	597911.0	4749084.0	202.0	0	67	0.0	125	70.5	0.0	4.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-8
MV15	SolarPark	597085.0	4750011.0	204.5	0	66	0.0	1000	71.8	0.0	-1.5	0.0	4.0	0.0	0.0	0.0	0.0	0.0	-8
MV9	SolarPark	597289.0	4750324.0	205.0	0	67	0.0	125	70.6	0.0	4.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-8
MV61	SolarPark	597635.0	4749014.0	203.9	0	66	0.0	1000	72.0	0.0	-1.5	0.0	4.1	0.0	0.0	0.0	0.0	0.0	-9
MV58	SolarPark	597270.0	4749035.0	205.0	0	70	0.0	500	73.4	0.0	-0.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	-9
Tr300		596520.0	4749103.0	206.6	0	63	0.0	63	76.5	0.0	-5.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-9
MV64	SolarPark	597911.0	4749084.0	202.0	0	66	0.0	250	70.5	0.0	3.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-9
MV65	SolarPark	597943.0	4749238.0	202.0	0	66	0.0	2000	68.9	0.0	-1.6	0.0	7.6	0.0	0.0	0.0	0.0	0.0	-9
MV59	SolarPark	597563.0	4749224.0	202.0	0	67	0.0	125	70.9	0.0	4.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-9
MV42	SolarPark	596719.0	4749206.0	203.7	0	70	0.0	500	75.4	0.0	-0.1	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-9
MV9	SolarPark	597289.0	4750324.0	205.0	0	66	0.0	250	70.6	0.0	3.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-9
MV14	SolarPark	597050.0	4750114.0	205.6	0	66	0.0	1000	72.1	0.0	-1.6	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-9
MV57	SolarPark	597310.0	4749250.0	202.9	0	66	0.0	1000	72.2	0.0	-1.6	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-9
MV43	SolarPark	596758.0	4749097.0	203.1	0	70	0.0	500	75.5	0.0	-0.1	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-9
MV56	SolarPark	597297.0	4749250.0	202.9	0	66	0.0	1000	72.2	0.0	-1.6	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-9
MV59	SolarPark	597563.0	4749224.0	202.0	0	66	0.0	250	70.9	0.0	3.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-9
MV13	SolarPark	597034.0	4750161.0	206.0	0	66	0.0	1000	72.3	0.0	-1.6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-9

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahaus	Cmet	Dc	RL	Lr
MV62	SolarPark	597653.0	4748951.0	204.4	0	66	0.0	1000	72.3	0.0	-1.6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-9
MV44	SolarPark	596793.0	4748992.0	202.6	0	70	0.0	500	75.7	0.0	-0.1	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-9
MV8	SolarPark	597256.0	4750423.0	205.8	0	67	0.0	125	71.2	0.0	4.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-9
MV12	SolarPark	597059.0	4750331.0	206.9	0	66	0.0	1000	72.4	0.0	-1.6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	-9
MV60	SolarPark	597599.0	4749119.0	203.1	0	67	0.0	125	71.4	0.0	4.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-9
LR	SolarPark	596488.0	4749144.0	209.7	0	71	0.0	125	76.5	0.0	2.5	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-9
MV8	SolarPark	597256.0	4750423.0	205.8	0	66	0.0	250	71.2	0.0	3.5	0.0	1.1	0.0	0.0	0.0	0.0	0.0	-9
MV60	SolarPark	597599.0	4749119.0	203.1	0	66	0.0	250	71.4	0.0	3.5	0.0	1.1	0.0	0.0	0.0	0.0	0.0	-10
MV11	SolarPark	597360.0	4750117.0	203.3	0	66	0.0	2000	69.4	0.0	-1.6	0.0	8.1	0.0	0.0	0.0	0.0	0.0	-10
MV7	SolarPark	597229.0	4750502.0	205.8	0	67	0.0	125	71.7	0.0	4.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	-10
MV15	SolarPark	597085.0	4750011.0	204.5	0	67	0.0	125	71.8	0.0	4.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV28	SolarPark	596362.0	4749776.0	206.6	0	70	0.0	500	76.3	0.0	-0.1	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-10
MV27	SolarPark	596358.0	4749788.0	206.6	0	70	0.0	500	76.3	0.0	-0.1	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-10
MV63	SolarPark	597786.0	4749238.0	202.0	0	66	0.0	2000	69.6	0.0	-1.6	0.0	8.2	0.0	0.0	0.0	0.0	0.0	-10
MV7	SolarPark	597229.0	4750502.0	205.8	0	66	0.0	250	71.7	0.0	3.5	0.0	1.1	0.0	0.0	0.0	0.0	0.0	-10
MV61	SolarPark	597635.0	4749014.0	203.9	0	67	0.0	125	72.0	0.0	4.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV15	SolarPark	597085.0	4750011.0	204.5	0	66	0.0	250	71.8	0.0	3.5	0.0	1.1	0.0	0.0	0.0	0.0	0.0	-10
MV14	SolarPark	597050.0	4750114.0	205.6	0	67	0.0	125	72.1	0.0	4.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV57	SolarPark	597310.0	4749250.0	202.9	0	67	0.0	125	72.2	0.0	4.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV61	SolarPark	597635.0	4749014.0	203.9	0	66	0.0	250	72.0	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-10
MV56	SolarPark	597297.0	4749250.0	202.9	0	67	0.0	125	72.2	0.0	4.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV13	SolarPark	597034.0	4750161.0	206.0	0	67	0.0	125	72.3	0.0	4.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV62	SolarPark	597653.0	4748951.0	204.4	0	67	0.0	125	72.3	0.0	4.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-10
MV14	SolarPark	597050.0	4750114.0	205.6	0	66	0.0	250	72.1	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV57	SolarPark	597310.0	4749250.0	202.9	0	66	0.0	250	72.2	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV12	SolarPark	597059.0	4750331.0	206.9	0	67	0.0	125	72.4	0.0	4.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-11
MV56	SolarPark	597297.0	4749250.0	202.9	0	66	0.0	250	72.2	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV13	SolarPark	597034.0	4750161.0	206.0	0	66	0.0	250	72.3	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV38	SolarPark	596497.0	4749000.0	204.4	0	70	0.0	500	76.8	0.0	-0.2	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-11
MV10	SolarPark	597328.0	4750210.0	204.0	0	66	0.0	2000	69.9	0.0	-1.6	0.0	8.5	0.0	0.0	0.0	0.0	0.0	-11
MV62	SolarPark	597653.0	4748951.0	204.4	0	66	0.0	250	72.3	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV12	SolarPark	597059.0	4750331.0	206.9	0	66	0.0	250	72.4	0.0	3.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-11
MV39	SolarPark	596533.0	4748895.0	203.8	0	70	0.0	500	76.9	0.0	-0.2	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-11
MV40	SolarPark	596569.0	4748790.0	203.3	0	70	0.0	500	77.1	0.0	-0.2	0.0	3.9	0.0	0.0	0.0	0.0	0.0	-11
MV18	SolarPark	596838.0	4749789.0	203.2	0	66	0.0	1000	73.7	0.0	-1.6	0.0	5.0	0.0	0.0	0.0	0.0	0.0	-11
MV41	SolarPark	596604.0	4748685.0	202.8	0	70	0.0	500	77.2	0.0	-0.2	0.0	3.9	0.0	0.0	0.0	0.0	0.0	-11
MV2	SolarPark	597949.0	4750345.0	202.0	0	65	0.0	4000	63.6	0.0	-1.4	0.0	14.0	0.0	0.0	0.0	0.0	0.0	-11
MV58	SolarPark	597270.0	4749035.0	205.0	0	67	0.0	63	73.4	0.0	-5.6	10.1	0.2	0.0	0.0	0.0	0.0	0.0	-11
MV48	SolarPark	596990.0	4749276.0	202.3	0	66	0.0	1000	73.9	0.0	-1.6	0.0	5.1	0.0	0.0	0.0	0.0	0.0	-11
MV49	SolarPark	597030.0	4749158.0	202.0	0	70	0.0	500	74.1	0.0	-0.1	4.5	2.7	0.0	0.0	0.0	0.0	0.0	-11
MV58	SolarPark	597270.0	4749035.0	205.0	0	67	0.0	125	73.4	0.0	4.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	-12
MV64	SolarPark	597911.0	4749084.0	202.0	0	66	0.0	2000	70.5	0.0	-1.6	0.0	9.1	0.0	0.0	0.0	0.0	0.0	-12
MV18	SolarPark	596838.0	4749789.0	203.2	0	67	0.0	125	73.7	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-12
MV50	SolarPark	597066.0	4749053.0	202.6	0	70	0.0	500	74.3	0.0	-0.1	4.7	2.8	0.0	0.0	0.0	0.0	0.0	-12
MV17	SolarPark	596736.0	4750039.0	205.5	0	66	0.0	1000	74.2	0.0	-1.6	0.0	5.3	0.0	0.0	0.0	0.0	0.0	-12
MV35	SolarPark	596345.0	4748860.0	204.9	0	70	0.0	500	77.7	0.0	-0.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	-12
MV9	SolarPark	597289.0	4750324.0	205.0	0	66	0.0	2000	70.6	0.0	-1.6	0.0	9.2	0.0	0.0	0.0	0.0	0.0	-12
MV48	SolarPark	596990.0	4749276.0	202.3	0	67	0.0	125	73.9	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-12
MV58	SolarPark	597270.0	4749035.0	205.0	0	66	0.0	250	73.4	0.0	3.5	0.2	1.4	0.0	0.0	0.0	0.0	0.0	-12
MV58	SolarPark	597270.0	4749035.0	205.0	0	66	0.0	1000	73.4	0.0	-1.6	1.6	4.8	0.0	0.0	0.0	0.0	0.0	-12
MV18	SolarPark	596838.0	4749789.0	203.2	0	66	0.0	250	73.7	0.0	3.5	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-12

Receiver: 393

Project: Grand Renewable Wind Farm

Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
MV49	SolarPark	597030.0	4749158.0	202.0	0	67	0.0	63	74.1	0.0	-5.6	10.3	0.2	0.0	0.0	0.0	0.0	0.0	-12
MV51	SolarPark	597102.0	4748948.0	203.9	0	70	0.0	500	74.5	0.0	-0.1	4.7	2.9	0.0	0.0	0.0	0.0	0.0	-12
MV48	SolarPark	596990.0	4749276.0	202.3	0	66	0.0	250	73.9	0.0	3.5	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-12
MV49	SolarPark	597030.0	4749158.0	202.0	0	67	0.0	125	74.1	0.0	4.5	0.2	0.6	0.0	0.0	0.0	0.0	0.0	-12
MV17	SolarPark	596736.0	4750039.0	205.5	0	67	0.0	125	74.2	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-12
MV50	SolarPark	597066.0	4749053.0	202.6	0	67	0.0	63	74.3	0.0	-5.6	10.3	0.2	0.0	0.0	0.0	0.0	0.0	-12
MV59	SolarPark	597563.0	4749224.0	202.0	0	66	0.0	2000	70.9	0.0	-1.6	0.0	9.5	0.0	0.0	0.0	0.0	0.0	-13
MV52	SolarPark	597138.0	4748843.0	205.1	0	70	0.0	500	74.8	0.0	-0.1	4.7	3.0	0.0	0.0	0.0	0.0	0.0	-13
MV51	SolarPark	597102.0	4748948.0	203.9	0	67	0.0	63	74.5	0.0	-5.6	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-13
MV4	SolarPark	597438.0	4750502.0	204.4	0	66	0.0	2000	70.1	0.0	-1.6	1.6	8.8	0.0	0.0	0.0	0.0	0.0	-13
MV50	SolarPark	597066.0	4749053.0	202.6	0	67	0.0	125	74.3	0.0	4.5	0.2	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV23	SolarPark	596671.0	4749779.0	204.4	0	66	0.0	1000	74.7	0.0	-1.6	0.0	5.6	0.0	0.0	0.0	0.0	0.0	-13
MV16	SolarPark	596640.0	4750281.0	207.0	0	70	0.0	500	74.9	0.0	-0.1	4.7	3.0	0.0	0.0	0.0	0.0	0.0	-13
MV17	SolarPark	596736.0	4750039.0	205.5	0	66	0.0	250	74.2	0.0	3.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-13
LR	SolarPark	596488.0	4749144.0	209.7	0	58	0.0	63	76.5	0.0	-5.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-13
MV23	SolarPark	596671.0	4749779.0	204.4	0	67	0.0	125	74.7	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV52	SolarPark	597138.0	4748843.0	205.1	0	67	0.0	63	74.8	0.0	-5.6	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-13
MV51	SolarPark	597102.0	4748948.0	203.9	0	67	0.0	125	74.5	0.0	4.5	0.2	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV16	SolarPark	596640.0	4750281.0	207.0	0	67	0.0	63	74.9	0.0	-5.6	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-13
MV22	SolarPark	596609.0	4749960.0	205.3	0	66	0.0	1000	74.9	0.0	-1.6	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-13
MV22	SolarPark	596609.0	4749960.0	205.3	0	67	0.0	125	74.9	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV21	SolarPark	596603.0	4749980.0	205.3	0	67	0.0	125	75.0	0.0	4.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV21	SolarPark	596603.0	4749980.0	205.3	0	66	0.0	1000	75.0	0.0	-1.6	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-13
MV20	SolarPark	596538.0	4750170.0	207.0	0	70	0.0	500	75.4	0.0	-0.1	4.6	3.2	0.0	0.0	0.0	0.0	0.0	-13
MV8	SolarPark	597256.0	4750423.0	205.8	0	66	0.0	2000	71.2	0.0	-1.6	0.0	9.9	0.0	0.0	0.0	0.0	0.0	-13
MV52	SolarPark	597138.0	4748843.0	205.1	0	67	0.0	125	74.8	0.0	4.5	0.2	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV23	SolarPark	596671.0	4749779.0	204.4	0	66	0.0	250	74.7	0.0	3.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-13
MV16	SolarPark	596640.0	4750281.0	207.0	0	67	0.0	125	74.9	0.0	4.5	0.2	0.6	0.0	0.0	0.0	0.0	0.0	-13
MV19	SolarPark	596531.0	4750190.0	207.0	0	70	0.0	500	75.4	0.0	-0.1	4.7	3.2	0.0	0.0	0.0	0.0	0.0	-13
MV20	SolarPark	596538.0	4750170.0	207.0	0	67	0.0	63	75.4	0.0	-5.6	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV19	SolarPark	596531.0	4750190.0	207.0	0	67	0.0	63	75.4	0.0	-5.6	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV60	SolarPark	597599.0	4749119.0	203.1	0	66	0.0	2000	71.4	0.0	-1.6	0.0	10.1	0.0	0.0	0.0	0.0	0.0	-14
MV49	SolarPark	597030.0	4749158.0	202.0	0	66	0.0	250	74.1	0.0	3.5	1.1	1.5	0.0	0.0	0.0	0.0	0.0	-14
MV22	SolarPark	596609.0	4749960.0	205.3	0	66	0.0	250	74.9	0.0	3.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-14
MV21	SolarPark	596603.0	4749980.0	205.3	0	66	0.0	250	75.0	0.0	3.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-14
MV42	SolarPark	596719.0	4749206.0	203.7	0	67	0.0	125	75.4	0.0	4.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV43	SolarPark	596758.0	4749097.0	203.1	0	67	0.0	125	75.5	0.0	4.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV20	SolarPark	596538.0	4750170.0	207.0	0	67	0.0	125	75.4	0.0	4.5	0.2	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV42	SolarPark	596719.0	4749206.0	203.7	0	66	0.0	1000	75.4	0.0	-1.6	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-14
MV19	SolarPark	596531.0	4750190.0	207.0	0	67	0.0	125	75.4	0.0	4.5	0.2	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV44	SolarPark	596793.0	4748992.0	202.6	0	67	0.0	125	75.7	0.0	4.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV45	SolarPark	596829.0	4748887.0	202.0	0	67	0.0	63	75.8	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV50	SolarPark	597066.0	4749053.0	202.6	0	66	0.0	250	74.3	0.0	3.5	1.2	1.5	0.0	0.0	0.0	0.0	0.0	-14
MV43	SolarPark	596758.0	4749097.0	203.1	0	66	0.0	1000	75.5	0.0	-1.6	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-14
MV45	SolarPark	596829.0	4748887.0	202.0	0	70	0.0	500	75.8	0.0	-0.1	4.8	3.4	0.0	0.0	0.0	0.0	0.0	-14
MV53	SolarPark	597247.0	4748492.0	205.6	0	67	0.0	63	75.9	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV42	SolarPark	596719.0	4749206.0	203.7	0	66	0.0	250	75.4	0.0	3.5	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-14
MV46	SolarPark	596865.0	4748782.0	202.5	0	67	0.0	63	76.0	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV26	SolarPark	596294.0	4749977.0	206.8	0	70	0.0	500	76.5	0.0	-0.1	4.0	3.6	0.0	0.0	0.0	0.0	0.0	-14
MV51	SolarPark	597102.0	4748948.0	203.9	0	66	0.0	250	74.5	0.0	3.5	1.2	1.6	0.0	0.0	0.0	0.0	0.0	-14
MV43	SolarPark	596758.0	4749097.0	203.1	0	66	0.0	250	75.5	0.0	3.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-14

Receiver: 393
 Project: Grand Renewable Wind Farm
 Project Number: 14284

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
(untitled)	393	598184.00 m	4749987.00 m	204.50 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
MV44	SolarPark	596793.0	4748992.0	202.6	0	66	0.0	1000	75.7	0.0	-1.6	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-14
MV53	SolarPark	597247.0	4748492.0	205.6	0	70	0.0	500	75.9	0.0	-0.1	4.9	3.4	0.0	0.0	0.0	0.0	0.0	-14
MV7	SolarPark	597229.0	4750502.0	205.8	0	66	0.0	2000	71.7	0.0	-1.6	0.0	10.5	0.0	0.0	0.0	0.0	0.0	-14
MV45	SolarPark	596829.0	4748887.0	202.0	0	67	0.0	125	75.8	0.0	4.5	0.3	0.7	0.0	0.0	0.0	0.0	0.0	-14
MV46	SolarPark	596865.0	4748782.0	202.5	0	70	0.0	500	76.0	0.0	-0.1	4.9	3.4	0.0	0.0	0.0	0.0	0.0	-14
MV54	SolarPark	597274.0	4748413.0	204.8	0	67	0.0	63	76.2	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-14
MV44	SolarPark	596793.0	4748992.0	202.6	0	66	0.0	250	75.7	0.0	3.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-15
MV53	SolarPark	597247.0	4748492.0	205.6	0	67	0.0	125	75.9	0.0	4.5	0.3	0.7	0.0	0.0	0.0	0.0	0.0	-15
MV47	SolarPark	596901.0	4748677.0	203.2	0	67	0.0	63	76.3	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-15
MV15	SolarPark	597085.0	4750011.0	204.5	0	66	0.0	2000	71.8	0.0	-1.6	0.0	10.6	0.0	0.0	0.0	0.0	0.0	-15
MV46	SolarPark	596865.0	4748782.0	202.5	0	67	0.0	125	76.0	0.0	4.5	0.3	0.7	0.0	0.0	0.0	0.0	0.0	-15
MV28	SolarPark	596362.0	4749776.0	206.6	0	67	0.0	125	76.3	0.0	4.5	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-15
MV27	SolarPark	596358.0	4749788.0	206.6	0	67	0.0	125	76.3	0.0	4.5	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-15
MV26	SolarPark	596294.0	4749977.0	206.8	0	67	0.0	63	76.5	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-15
MV25	SolarPark	596287.0	4749998.0	206.6	0	70	0.0	500	76.6	0.0	-0.2	4.3	3.7	0.0	0.0	0.0	0.0	0.0	-15
MV52	SolarPark	597138.0	4748843.0	205.1	0	66	0.0	250	74.8	0.0	3.5	1.2	1.6	0.0	0.0	0.0	0.0	0.0	-15
MV54	SolarPark	597274.0	4748413.0	204.8	0	70	0.0	500	76.2	0.0	-0.1	4.9	3.5	0.0	0.0	0.0	0.0	0.0	-15
MV25	SolarPark	596287.0	4749998.0	206.6	0	67	0.0	63	76.6	0.0	-5.7	10.4	0.2	0.0	0.0	0.0	0.0	0.0	-15
MV16	SolarPark	596640.0	4750281.0	207.0	0	66	0.0	250	74.9	0.0	3.5	1.2	1.6	0.0	0.0	0.0	0.0	0.0	-15
MV54	SolarPark	597274.0	4748413.0	204.8	0	67	0.0	125	76.2	0.0	4.5	0.3	0.7	0.0	0.0	0.0	0.0	0.0	-15
MV47	SolarPark	596901.0	4748677.0	203.2	0	70	0.0	500	76.3	0.0	-0.1	4.9	3.5	0.0	0.0	0.0	0.0	0.0	-15
MV55	SolarPark	597345.0	4748266.0	203.3	0	67	0.0	63	76.6	0.0	-5.7	10.5	0.2	0.0	0.0	0.0	0.0	0.0	-15
MV61	SolarPark	597635.0	4749014.0	203.9	0	66	0.0	2000	72.0	0.0	-1.6	0.0	10.8	0.0	0.0	0.0	0.0	0.0	-15
MV47	SolarPark	596901.0	4748677.0	203.2	0	67	0.0	125	76.3	0.0	4.5	0.3	0.8	0.0	0.0	0.0	0.0	0.0	-15
MV26	SolarPark	596294.0	4749977.0	206.8	0	67	0.0	125	76.5	0.0	4.5	0.1	0.8	0.0	0.0	0.0	0.0	0.0	-15
MV24	SolarPark	596235.0	4750149.0	206.5	0	67	0.0	63	76.8	0.0	-5.7	10.5	0.2	0.0	0.0	0.0	0.0	0.0	-15

Project: Grand Renewable Wind Farm
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Source ID	Source Name	Point of Reception 393	
		Distance to POR (m)	Sound Level at POR (dBA) Day
T56		609	37
T25		993	32
T29		1848	24
T27		1864	24
T44		1994	23
T17		2118	23
T42		2233	22
T52		2493	21
T53		2672	20
T247		3710	16
DSTAT2	SolarPark	1828	16
DSTAT1	SolarPark	1849	16
T16		3833	15
T22		3842	15
T55		3844	15
T13		3882	15
T233		4122	15
T48		4092	14
T68		4093	14
T246		4182	14
T244		4201	14
T12		4374	14
T37		4401	14
T38		4455	14
T245		4665	13
T35		4709	13
Tr300		1884	13

Project: Grand Renewable Wind Farm
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Source ID	Source Name	Point of Reception 393	
		Distance to POR (m)	Sound Level at POR (dBA) Day
MV2	SolarPark	428	12
T10		4467	12
MV3	SolarPark	560	9
MV6	SolarPark	605	9
TRSS	SolarPark	1875	9
MV1	SolarPark	625	9
MV5	SolarPark	628	9
MV65	SolarPark	787	7
MV11	SolarPark	834	6
MV63	SolarPark	848	6
MV10	SolarPark	885	6
MV64	SolarPark	943	6
MV9	SolarPark	956	5
MV59	SolarPark	984	5
MV8	SolarPark	1025	5
MV60	SolarPark	1047	5
MV7	SolarPark	1085	5
MV15	SolarPark	1099	5
MV61	SolarPark	1117	4
MV14	SolarPark	1141	4
MV57	SolarPark	1143	4
LR	SolarPark	1894	4
MV56	SolarPark	1153	4
MV13	SolarPark	1163	4
MV62	SolarPark	1164	4
MV12	SolarPark	1176	4
MV4	SolarPark	906	4

Project: Grand Renewable Wind Farm
Project Number: 14284

Source ID	Source Name	Point of Reception 393	
		Distance to POR (m)	Sound Level at POR (dBA) Day
MV18	SolarPark	1360	3
MV48	SolarPark	1390	3
MV17	SolarPark	1449	3
MV23	SolarPark	1527	3
MV22	SolarPark	1575	3
MV21	SolarPark	1581	3
MV42	SolarPark	1660	2
MV43	SolarPark	1681	2
MV44	SolarPark	1710	2
MV28	SolarPark	1834	2
MV27	SolarPark	1837	2
MV38	SolarPark	1955	2
MV39	SolarPark	1979	2
MV40	SolarPark	2010	2
MV41	SolarPark	2047	2
MV58	SolarPark	1320	2
MV35	SolarPark	2157	2
MV49	SolarPark	1421	1
MV50	SolarPark	1457	1
MV51	SolarPark	1500	1
MV52	SolarPark	1550	1
MV16	SolarPark	1572	1
MV20	SolarPark	1656	1
MV19	SolarPark	1665	1
MV45	SolarPark	1745	1
MV53	SolarPark	1764	1
MV46	SolarPark	1787	1

Project: Grand Renewable Wind Farm
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Source ID	Source Name	Point of Reception 393	
		Distance to POR (m)	Sound Level at POR (dBA) Day
MV26	SolarPark	1890	1
MV54	SolarPark	1818	1
MV47	SolarPark	1834	1
MV25	SolarPark	1897	1
MV55	SolarPark	1915	0
MV24	SolarPark	1956	0
MV34	SolarPark	2088	0
MV33	SolarPark	2101	0
MV32	SolarPark	2106	0
MV31	SolarPark	2129	0
MV30	SolarPark	2145	0
MV29	SolarPark	2187	0
MV36	SolarPark	2231	0
MV37	SolarPark	2238	0
Total Level [dBA]			39

End of Report
